

PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY
(CUMULATIVE ISSUE)

Section 2 • Indexes

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NASA SP-7039 (04)
Section 2
Indexes

NASA

PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY (CUMULATIVE ISSUE)

Section 2 • Indexes

Indexes for the annotated references to NASA-owned inventions covered by U.S. patents and applications for patent that were announced in *Scientific and Technical Aerospace Reports (STAR)* between May 1969 and December 1973. This issue supersedes all previous Index Sections.



This Supplement is available from the National Technical Information Service (NTIS), Springfield, Virginia 22151, for \$4.50 For copies mailed to addresses outside the United States, add \$2.50 per copy for handling and postage.

INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The NASA Patent Abstracts Bibliography (NASA PAB) is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The 2594 citations included in this Cumulative Issue were originally published in NASA's Scientific and Technical Aerospace Reports (STAR) during the period from May 1969 through December 1973. For the convenience of the user, each issue of NASA PAB has a separately bound Abstract Section and Index Section.

ABSTRACT SECTION (SECTION 1)

The Abstract Section is divided into 34 subject categories (See Table of Contents for scope note of each category) under which are grouped appropriate NASA inventions. Each entry in the Abstract Section consists of a STAR citation accompanied by an abstract and a key illustration taken from the patent or application for patent drawing. Entries are arranged in subject category in order of the ascending NASA Accession Number originally assigned in STAR to the invention. The range of NASA Accession Numbers within each issue is printed on the inside front cover.

Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

NASA Accession Number

NASA Case Number

Inventor's Name

Title of Invention

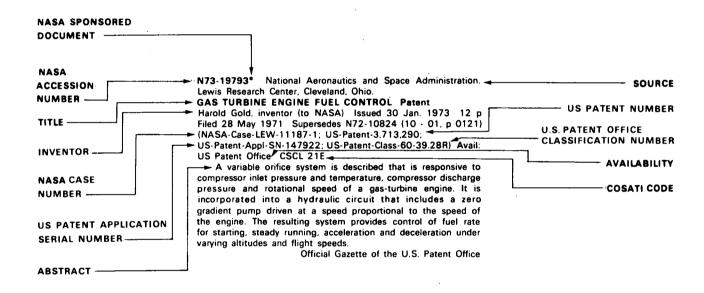
U.S. Patent Application Serial Number

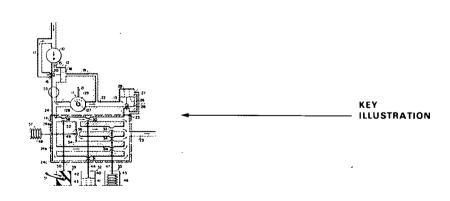
U.S. Patent Number (for issued patents only)

U.S. Patent Office Classification Number(s) (for issued patents only)

These data elements appear in the citation of the abstract as depicted in the Typical Citation and Abstract reproduced below and are also used in the several indexes.

TYPICAL CITATION AND ABSTRACT FROM PATENT ABSTRACTS BIBLIOGRAPHY





INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes which are cross-indexed and are useful in locating a single invention or groups of inventions.

Each of the five indexes utilizes basic data elements: (1) Subject Category Number, (2) NASA Accession Number, and (3) NASA Case Number, in addition to other specific index terms.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial Number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the NASA Accession Number.

Accession Number Index: Lists all inventions in order of ascending NASA Accession Number and indicates the related Subject Category Number, the NASA Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Classification Number, and the U.S. Patent Number.

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible when using the flexibility incorporated into the NASA PAB.

- (1) Using Subject Category: To identify all NASA inventions in any one of the 34 subject categories in this issue of NASA PAB, select the desired Subject Category in the Abstract Section and find the inventions abstracted thereunder. The abstracts are arranged in each Subject Category in order of the ascending Accession Number originally assigned in STAR to each invention.
- (2) Using Subject Index: To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated

NA SA Accession Number(s) and the Subject Category Number(s). (C) Using the indicated NA SA Accession Number(s), turn to the Accession Number Index to find the NA SA Patent Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Number, if issued, and the U.S. Patent Classification Number(s), if assigned. (D) To find the abstract of the invention, (i) use the indicated Subject Category Number for the associated NA SA Accession Number to locate the desired Subject Category in the Abstract Section, (ii) turn to the designated Subject Category in the Abstract Section, and (iii) use the associated NA SA Accession Number to locate the invention within the Subject Category.

(3) Using Patent Classification Numbers: To identify all inventions covered by issued NASA patents (does not include applications for patent) within a desired Patent Office Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2) (B), (C), and (D) above.

PUBLIC AVAILABILITY OF COPIES OF PATENTS AND PATENT APPLICATIONS

Copies of U.S. patents may be purchased directly from the U.S. Patent Office, Washington, D.C. 20231, for fifty cents a copy.

Copies of pending NASA applications for patent abstracted in NASA PAB are sold by the National Technical Information Service. Springfield, Virginia 22151, at the price shown in the citation. Microfiche are sold at the established unit price of \$1.45. When ordering copies of an application for patent from NTIS, the U.S. Patent Application Serial Number listed in the index or shown in the citation for each abstract should be used to identify the desired application for patent.

LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in NASA PAB, are available for nonexclusive or exclusive licensing in accordance with the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Assistant General Counsel for Patent Matters, Code GP, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in NASA PAB.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table. Formal application of license must be submitted on the NASA Form, Application for NASA Patent License, which is available upon request from any NASA Patent Counsel.

NASA Case **Address of Cognizant** Number Pre-**NASA Patent Counsel** fix Letters ARC-xxxxx Ames Research Center XAR-xxxxx Mail Code: 200-11A Moffett Field, California 94035 ERC-xxxxx NASA Headquarters XER-xxxxx Mail Code: GP **HQN-xxxxx** Washington, D.C. 20546 XHQ-xxxxx GSC-xxxxx Goddard Space Flight Center XGS-xxxx Mail Code: 204 Greenbelt, Maryland 20771 KSC-xxxxx John F. Kennedy Space Center XKS-xxxxx Mail Code: AD-PAT Kennedy Space Center, Florida 32899 LAR-xxxxx Langley Research Center XLA-xxxxx Mail Code: 456 Langley Station Hampton, Virginia 23365

LEW-xxxxx Lewis Research Center XLE-xxxxx Mail Code: 500-113 21000 Brookpark Road Cleveland, Ohio 44135

MSC-xxxxx Lyndon B. Johnson Space Center XMS-xxxx Mail Code: AM

Houston, Texas 77058

MFS-xxxxx George C. Marshall Space Flight Center XMF-xxxx Mail Code: .A&PS-PAT Huntsville, Alabama 35812

NPO-xxxxx NASA Pasadena Office XNP-xxxxx Mail Code: 180-601 FRC-xxxxx 4800 Oak Grove Drive XFR-xxxxx Pasadena, California 91103 WOO-xxxx

NASA PATENT LICENSING REGULATIONS

The NASA Domestic Patent Licensing Regulations (14 C.F.R. 1245.2) are reproduced on the following pages. Selected NASA inventions are also available for licensing in countries other than the United States in accordance with the NASA Foreign Patent Licensing Regulation (14 C.F.R. 1245.4), a copy of which is available from any NASA Patent Counsel.

PATENT LICENSING REGULATIONS

Title 14—AERONAUTICS AND SPACE

Chapter V—National Aeronautics and Space Administration

PART 1245—PATENTS

Subpart 2—Patent Licensing Regulations

1. Subpart 2 is revised in its entirety as follows:

Sec.	
1245.200	Scope of subpart.
1245.201	Definitions.
1245.202	Basic considerations.
1245.208	Licenses for practical application of inventions,
1245.204	Other licenses.
1245.205	Publication of NASA inventions available for license.
1245.206	Application for nonexclusive li- cense.
1245.207	Application for exclusive license.
1245.208	Processing applications for license.
1245.209	Royalties and fees.
1245.210	Reports.
1245.211	Revocation of licenses.

1245.212 Appeals. 1245.213 Litigation. 1245.214 Address of communications.

AUTHORITY: The provisions of this Subpart 2 issued under 42 U.S.C. 2457, 2473(b) (3).

§ 1245.200 Scope of subpart.

This Subpart 2 prescribes the terms, conditions, and procedures for licensing inventions covered by U.S. patents and patent applications for which the Administrator of the National Aeronautics and Space Administration holds title on behalf of the United States.

§ 1245.201 Definitions.

For the purpose of this subpart, the following definitions apply:

- (a) "Invention" means an invention covered by a U.S. patent or patent application for which the Administrator of NASA holds title on behalf of the United States and which is designated by the Administration as appropriate for the grant of license(s) in accordance with this subpart.
- (b) "To practice an invention" means to make or have made, use or have used, sell or have sold, or otherwise dispose of according to law any machine, article of manufacture or composition of matter physically embodying the invention, or to use or have used the process or method comprising the invention.
- (c) "Practical application" means the manufacture in the case of a composition of matter or product, the use in the case of a process, or the operation in the case of a machine, under such conditions as to establish that the invention is being utilized and that its benefits are reasonably accessible to the public.
- (d) "Special invention" means any invention designated by the NASA Assistant General Counsel for Patent Matters to be subject to short-form licensing procedures. An invention may be designated as a special invention when a determination is made that:
- (1) Practical application has occurred and is likely to continue for the life of

the patent and for which an exclusive license is not in force, or

- (2) The public interest would be served by the expeditious granting of a nonexclusive license for practice of the invention by the public.
- (e) The "Administrator" means the Administrator of the National Aeronautics and Space Administration, or his designee.
- (f) "Government" means the Government of the United States of America.
- (g) The "Inventions and Contributions Board" means the NASA Inventions and Contributions Board established by the Administrator of NASA within the Administration in accordance with section 305 of the National Aeronautics and Space Act of 1958 as amended (42 U.S.C. 2457).

§ 1245.202 Basic considerations.

- (a) Much of the new technology resulting from NASA sponsored research and development in aeronautical and space activities has application in other fields. NASA has special authority and responsibility under the National Aeronautics and Space Act of 1958, as amended (42 U.S.C. 2451), to provide for the widest practical dissemination and utilization of this new technology. In addition, NASA has been given unique requirements to protect the inventions resulting from NASA activities and to promulgate licensing regulations to encourage commercial use of these inventions.
- (b) NASA-owned inventions will best serve the interests of the United States when they are brought to practical application in the shortest time possible. Although NASA encourages the nonexclusive licensing of its inventions to promote competition and achieve their widest possible utilization, the commercial development of certain inventions calls for a substantial capital investment which private manufacturers may be unwilling to risk under a nonexclusive license. It is the policy of NASA to seek exclusive licensees when such licenses will provide the necessary incentive to the licensee to achieve early practical application of the invention.
- (c) The Administrator, in determining whether to grant an exclusive license, will evaluate all relevant information submitted by applicants and all other persons and will consider the necessity for further technical and market development of the invention, the capabilities of prospective licensees, their proposed plans to undertake the required investment and development, the impact on competitors, and the benefits of the license to the Government and to the public. Preference for exclusive license shall be given to U.S. citizens or companies who intend to manufacture or use, in the case of a process, the invention in the United States of America, its territories and possessions. Consideration may also be given to assisting small businesses and minority business enterprises, as well as economically depressed, low income and labor surplus areas.
 - (d) All licenses for inventions shall

be by express written instruments. No license shall be granted either expressly or by implication, for a NASA invention except as provided for in §§ 1245.203 and 1245.204 and in any existing or future treaty or agreement between the United States and any foreign government.

(e) Licenses for inventions covered by NASA-owned foreign patents and patent applications shall be granted in accordance with the NASA Foreign Patent Licensing Regulations (§ 1245.4).

§ 1245.203 Licenses for practical application of inventions.

- (a) General. As an incentive to encourage practical application of inventions, licenses will be granted to responsible applicants according to the circumstances and conditions set forth in this section.
- (b) Nonexclusive licenses. (1) Each invention will be made available to responsible applicants for nonexclusive, revocable licensing in accordance with \$1245.206, consistent with the provisions of any existing exclusive license.
- (2) The duration of the license shall be for a period as specified in the license.
- (3) The license shall require the licensee to achieve the practical application of the invention and to then practice the invention for the duration of the license.
- (4) The license may be granted for all or less than all fields of use of the invention and throughout the United States of America, its territories and possessions, Puerto Rico, and the District of Columbia, or in any lesser geographic portion thereof.
- (5) The license shall extend to the subsidiaries and affiliates of the licensee and shall be nonassignable without approval of the Administrator, NASA, except to the successor of that part of the licensee's business to which the invention pertains.
- (c) Short-form nonexclusive licenses. A nonexclusive, revocable license for a special invention, as defined in § 1245.201 (d), shall be granted upon written request, to any applicant by the Patent Counsel of the NASA installation having cognizance of the invention.

(d) Exclusive licenses. (1) A limited exclusive license may be granted on an invention available for such licensing provided that:

(i) The Administrator has determined that: (a) The invention has not been brought to practical application by a nonexclusive licensee in the fields of use or in the geographical locations covered by the application for the exclusive license, (b) practical application of the invention in the fields of use or geographical locations covered by the application for the exclusive license is not likely to be achieved expeditiously by the further funding of the invention by the Government or under a nonexclusive license requested by any applicant pursuant to these regulations, and (c) the exclusive license will provide the necessary incentive to the licensee to achieve the practical application of the invention; and

(ii) Either a notice pursuant to

§ 1245,205 listing the invention as available for licensing has been published in the FEDERAL REGISTER for at least 9 months; or a patent covering the invention has been issued for at least 6 months. However, a limited exclusive license may be granted prior to the periods specified above if the Administrator determines that the public interest will best be served by the earlier grant of an exclusive license.

(2) The license may be granted for all or less than all fields of use of the invention, and throughout the United States of America, its territories and possessions, Puerto Rico, and the District of Columbia, or in any lesser geographic

portion thereof.

(3) The exclusive period of the license shall be negotiated, but shall be for less than the terminal portion of the patent, and shall be related to the period necessary to provide a reasonable incentive to invest the necessary risk capital.

(4) The license shall require the licensee to practice the invention within a period specified in the license and then to achieve practical application of the

invention.

- (5) The license shall require the licensee to expend a specified minimum sum of money and/or to take other specified actions, within indicated period(s) after the effective date of the license, in an effort to achieve practical application of the invention.
- (6) The license shall be subject to at least an irrevocable royalty-free right of the Government of the United States to practice and have practiced the invention throughout the world by or on be-half of the Government of the United States and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States.
- (7) The license may reserve to the Administrator, NASA, under the following circumstances, the right to require the granting of a sublicense to responsi- § 1245.206 Application for nonexclusive ble applicant(s) on terms that are considered reasonable by the Administrator, stipulated in the license

(8) The license shall be nontransfer- eral Counsel for Patent Matters able except to the successor of that part

invention pertains.

- (9) Subject to the approval of the shall include: Administrator, the licensee may grant (1) Identifi sublicenses under the license. Each subshall make reference to and shall provide that the sublicense is subject to the terms of the exclusive license including the rights retained by the Government each sublicense shall be furnished to the Administrator.
- such other reservations as may be in the ence should be sent; public interest.

§ 1245.204 Other licenses.

(a) License to contractor. There is desired;

hereby granted to the contractor reporting an invention made in the performance of work under a contract of NASA in the manner specified in section 305(a) (1) or (2) of the National Aeronautics and Space Act of 1958 as amended (42 U.S.C. 2457(a) (1) or (2)), a revocable, nonexclusive, royalty-free license for the practice of such invention, together with the right to grant sublicenses of the same scope to the extent the contractor was legally obligated to do so at the time the contract was awarded. Such license and right is nontransferable except to the successor of that part of the contractor's business to which the invention pertains.

(b) Miscellaneous licenses. Subject to any outstanding licenses, nothing in this subpart 2 shall preclude the Administrator from granting other licenses for inventions, when he determines that do so would provide for an equitable distribution of rights. The following exemplify circumstances wherein such licenses may be granted:

(1) In consideration of the settlement of an interference:

(2) In consideration of a release of a claim of infringement; or

(3) In exchange for or as part of the consideration for a license under adversely held patent(s).

§ 1245.205 Publication of NASA inventions available for license.

- (a) A notice will be perodically published in the Federal Register listing inventions available for licensing. Abstracts of the inventions will also be published in the NASA Scientific and Technical Aerospace Reports (STAR) and other NASA publications.
- (b) Copies of pending patent applications for inventions abstracted in STAR may be purchased from the National Technical Information Service, Springfield, Va. 22151.

license.

(a) Submission of application. An aptaking into consideration the current plication for nonexclusive license under royalty rates under similar patents and § 1245.203(b) or a short-form nonexcluother pertinent facts: (i) To the extent sive license for special inventions under that the invention is required for public \(\frac{1245.203(c)}{2} \) shall be addressed to the use by Government regulation, or (ii) as NASA Patent Counsel of the NASA inmay be necessary to fulfill health or stallation having cognizance over the safety needs, or (iii) for other purposes NASA invention for which a license is desired or to the NASA Assistant Gen-

(b) Contents of an application for of the licensee's business to which the nonexclusive license. An application for nonexclusive license under § 1245.203(b)

(1) Identification of invention for which license is desired, including the license granted by an exclusive licensee NASA patent case number, patent application serial number of patent number, title and date, if known;

(2) Name and address of the person, company or organization applying for under the exclusive license. A copy of license and whether the applicant is a U.S. citizen or a U.S. corporation;

- (3) Name and address of representa-(10) The license may be subject to tive of applicant to whom correspond-
 - (4) Nature and type of applicant's husiness:
 - (5) Number of employees;
 - (6) Purpose for which license is

(7) A statement that contains the applicant's best knowledge of the extent to which the invention is being practiced by private industry and the Government:

(8) A description of applicant's canability and plan to undertake the development and marketing required to achieve the practical application of the invention, including the geographical location where the applicant plans to manufacture or use, in the case of a process, the invention; and

(9) A statement indicating the minimum term of years the applicant desires

to be licensed.

(c) Contents of an application for a short-form nonexclusive license. An application for a short-form nonexclusive license under § 1245.203(c) for a special invention shall include:

(1) Identification of invention which license is desired, including the NASA patent case number, patent application serial number or patent number, title and date, if known;

(2) Name and address of company or organization applying for license; and

(3) Name and address of representative of applicant to whom correspondence should be sent.

§ 1245.207 Application for exclusive license.

- (a) Submission of application. An application for exclusive license under \$ 1245.203(d) may be submitted to NASA at any time. An application for exclusive license shall be addressed to the NASA Assistant General Counsel for Patent Matters.
- (b) Contents of an application for exclusive license. In addition to the requirements set forth in § 1245.206(b), the application for an exclusive license shall include:
- (1) Applicant's status, if any, in any one or more of the following categories:
 - (i) Small business firm:
 - (ii) Minority business enterprise;
- (iii) Location in a surplus labor area; (iv) Location in a low-income urban area; and
- (v) Location in an area designed by the Government as economically depressed.
- (2) A statement indicating the time, expenditure, and other acts which the applicant considers necessary to achieve practical application of the invention, and the applicant's offer to invest that sum and to perform such acts if the license is granted:
- (3) A statement whether the applicant would be willing to accept a license for all or less than all fields of use of the invention throughout the United States of America, its territories and possessions, Puerto Rico, and the District of Columbia, or in any lesser geographic portion thereof.
- (4) A statement indicating the amount of royalty fees or other consideration, if any, the applicant would be willing to pay the Government for the exclusive license: and
- (5) Any other facts which the applicant believes to show it to be in the interests of the United States of America for the Administrator to grant an exclusive license rather than a nonexclusive li-

PATENT LICENSING REGULATIONS

cense and that such an exclusive license should be granted to the applicant.

§ 1245.208 Processing applications for license.

- (a) Initial review. Applications for nonexclusive and exclusive licenses under §§ 1245.206 and 1245.207 will be reviewed by the Patent Counsel of the NASA installation having cognizance for the invention and the NASA Assistant General Counsel for Patent Matters, to determine the conformity and appropriateness of the application for license and the availability of the specific invention for the license requested. The Assistant General Counsel for Patent Matters will forward all applications for license conforming to §§ 1245.206(b) and 1245.207(b) to the NASA Inventions and Contributions Board when the invention is available for consideration of the requested license. Prior to forwarding applications for exclusive licenses to the Inventions and Contributions Board, notice in writing will be given to each nonexclusive licensee for the specific invention advising of the receipt of the application for the exclusive license and providing each nonexclusive licensee with a 30-day period for submitting either evidence that practical application of the invention has occurred or is about to occur or, an application for an exclusive license for the invention.
- (b) Recommendations of Inventions and Contributions Board. The Inventions and Contributions Board shall, in accordance with the basic considerations set forth in §§ 1245.202 and 1245.203, evaluate all applications for license forwarded by the Assistant General Counsel for Patent Matters. Based upon the facts presented to the Inventions and Contributions Board in the application and any other facts in its possession, the Inventions and Contributions Board shall recommend to the Administrator: (1) Whether a nonexclusive or exclusive license should be granted, (2) the identity of the licensee, and (3) any special terms or conditions of the license
- (c) Determination of Administrator and grant of nonexclusive licenses. The Administrator shall review the recommendations of the Inventions and Contributions Board and shall determine whether to grant the nonexclusive license as recommended by the Board. If the Administrator determines to grant the license, the license will be granted upon the negotiation of the appropriate terms and conditions of the Office of General Counsel.
- (d) Determination of Administrator and grant of exclusive licenses—(1) Notice. If the Administrator determines that the best interest of the United States will be served by the granting of an exclusive license in accordance with the considerations set forth in basic §§ 1245.202 and 1245.203, a notice shall be published in the FEDERAL REGISTER announcing the intent to grant the exclusive license, the identification of the invention, special terms or conditions of the proposed license, and a statement that NASA will grant the exclusive license unless within 30 days of the publication of such notice the Inventions and Contributions Board receives in writing

any of the following together with supporting documentation:

- (i) A statement from any person setting forth reasons why it would not be in the best interest of the United States to grant the proposed exclusive license; or
- (ii) An application for a nonexclusive license under such invention, in accordance with § 1245.206(b), in which applicant states that he has already brought or is likely to bring the invention to practical application within a reasonable period.

The Inventions and Contributions Board shall, upon receipt of a written request within the 30 days' notice period, grant an extension of 30 days for the submission of the documents designated above.

- (2) Recommendation of Inventions and Contributions Board. Upon the expiration of the period required by subparagraph (1) of this paragraph, the Board shall review all written responses to the notice and shall then recommend to the Administrator whether to grant the exclusive license as the Board initially recommended or whether a different form of license, if any, should instead be granted.
- (3) Grant of exclusive licenses. The Administrator shall review the Board's recommendation and shall determine if the interest of the United States would best be served by the grant of an exclusive license as recommended by the Board. If the Administrator determines

to grant the exclusive license, the license will be granted upon the negotiation of the appropriate terms and conditions by the Office of General Counsel.

§ 1245.209 Royalties and fees.

- (a) Normally, a nonexclusive license for the practical application of an invention granted to a U.S. citizen or company will not require the payment of royalties; however, NASA may require other consideration.
- (b) An exclusive license for an invention may require the payment of royalties, fees or other consideration when the licensing circumstances and the basic considerations in § 1245.202, considered together, indicate that it is in the public interest to do so.

§ 1245.210 Reports.

A license shall require the licensee to submit periodic reports of his efforts to work the invention. The reports shall contain information within his knowledge, or which he may acquire under normal business practice, pertaining to the commercial use that is being made of the invention and such other information which the Administrator may determine pertinent to the licensing program and which is specified in the license.

§ 1245.211 Revocation of licenses.

(a) Any license granted pursuant to § 1245.203 may be revoked, either in part or in its entirety, by the Administrator if in his opinion the licensee at any time shall fall to use adequate efforts to bring to or achieve practical application of the invention in accordance with the terms of the license, or if the licensee at any

time shall default in making any report required by the license, or shall make any false report, or shall commit any breach of any covenant or agreement therein contained, and shall fail to remedy any such default, false report, or breach within 30 days after written notice, or if the patent is deemed unenforceable either by the Attorney General or a final decision of a U.S. court.

- (b) Any license granted pursuant to § 1245.204(a) may be revoked, either in part or in its entirety, by the Administrator if in his opinion such revocation is necessary to achieve the earliest practical application of the invention pursuant to an application for exclusive license submitted in accordance with § 1245.207, or the licensee at any time shall breach any covenant or agreement contained in the license, and shall fail to remedy any such breach within 30 days after written notice thereof.
- (c) Before revoking anv granted pursuant to this Subpart 2 for any cause, there will be furnished to the licensee a written notice of intention to revoke the license, and the licensee will be allowed 30 days after such notice in which to appeal and request a hearing before the Inventions and Contributions Board on the question of revocation. After a hearing, the Inventions and Contributions Board shall transmit to the Administrator the record of proceedings, its findings of fact, and its recommendation whether the license should be revoked either in part or in its entirety. The Administrator shall review the recommendation of the Board and determine whether to revoke the license in part or in its entirety. Revocation of a license shall include revocation of all sublicenses which have been granted.

§ 1245.212 Appeals.

Any person desiring to file an appeal pursuant to § 1245.211(c) shall address the appeal to Chairman, Inventions and Contributions Board. Any person filing an appeal shall be afforded an opportunity to be heard before the Inventions and Contributions Board, and to offer evidence in support of his appeal. The procedures to be followed in any such matter shall be determined by the Administrator. The Board shall make findings of fact and recommendations with respect to disposition of the appeal. The decision on the appeal shall be made by the Administrator, and such decision shall be final and conclusive, except on questions of law, unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

§ 1245.213 Litigation.

An exclusive licensee shall be granted the right to sue at his own expense any party who infringes the rights set forth in his license and covered by the licensed patent. The licensee may join the Government, upon consent of the Attorney General, as a party complainant in such suit, but without expense to the Government and the licensee shall pay costs and any final judgment or decree that may be rendered against the Governmant of the shall pay costs and any final judgment or decree that may be rendered against the Government and the licensee shall pay costs and any final judgment or decree that may be rendered against the Government.

PATENT LICENSING REGULATIONS

ment in such suit. The Government shall also have an absolute right to intervene in any such suit at its own expense. The licensee shall be obligated to promptly furnish to the Government, upon request, copies of all pleadings and other papers filed in any such suit and of evidence adduced in proceedings relating to the licensed patent including, but not limited to, negotiations for settlement and agreements settling claims by a licensee based on the licensed patent, and all other books, documents, papers, and

records pertaining to such suit. If, as a result of any such litigation, the patent shall be declared invalid, the licensee shall have the right to surrender his license and be relieved from any further obligation thereunder.

§ 1245.214 Address of communications.

(a) Communications to the Assistant General Counsel for Patent Matters in accordance with §§ 1245.206 and 1245.207 and requests for information concerning licenses for NASA inventions should be addressed to the Assistant General Counsel for Patent Matters, Code GP, National Aeronautics and Space Administration, Washington, D.C. 20546.

(b) Communications to the Inventions and Contributions Board in accordance with §§ 1245.208, 1245.211, and 1245.212 should be addressed to Chairman, Inventions and Contributions Board, National Aeronautics and Space Administration, Washington, D.C. 20546.

Effective date. The regulations set forth in this subpart 2 are effective April 1, 1972.

JAMES C. FLETCHER, Administrator.

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Section 1 • Abstracts

Subject Categories

Abstracts in the bibliography are grouped under the following categories:

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft 3

Includes fixed-wing airplanes, helicopters, gliders, ballons, ornithopters, etc.; and specific types of complete aircraft (e.g., ground effect machines, STOL, and VTOL); flight tests; operating problems (e.g., sonic boom); safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles; and 32 Structural Mechanics.

03 Auxiliary Systems 17

Includes fuel cells, energy conversion cells, and solar cells; auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering; and 28 Propulsion Systems.

04 Biosciences 43

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology 45

Includes life support systems, human engineering, protective clothing and equipment; crew training and evaluation, and piloting. For related information see also: 04 Biosciences.

06 Chemistry
Includes chemical analysis and identification (e.g., spectroscopy). For applications see: 17 Materials,

spectroscopy). For applications see: 17 Materials, Metallic; 18 Materials, Nonmetallic; and 27 Propellants

iants.

07 Communications 93

Includes communications equipment and techniques, noise; radio and communications blackout; modulation telemetry; tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 'Computers

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Includes computer operation and programming, and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

161

Includes electronic test equipment and maintainability; component parts, e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications and 21 Navigation.

10 Electronics

241

Includes circuit theory; and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

279

Includes airports; lunar and planetary bases including associated vehicles; ground support systems; related logistics; simulators; test facilities (e.g., rocket engine test stands, shock tubes, and wind tunnels); test ranges; and tracking stations.

12 Fluid Mechanics

299

Includes boundary-layer flow; compressible flow; gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion.

13 Geophysics

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Includes aeronomy; upper and lower atmosphere studies; oceanography; cartography; and geodesy. For related information see also: 20 Meteorology; 29 Space Radiation; and 30 Space Sciences.

14 Instrumentation and Photography
Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gages; recorders, transducers; photography; and telescopes and cameras.

15 Machine Elements and Processes 425

Includes bearings, seals, pumps, and other mechanical equipment; lubrication, friction, and wear; manufacturing processes and quality control; reliability; drafting; and materials fabrication, handling, and inspection.

16 Masers 549

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

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Includes cermets; corrosion; physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic; and 32 Structural Mechanics.

18 Materials, Nonmetallic

573 Includes corrosion, physical and mechanical properties of materials (e.g., plastics); and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory; and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

589

Includes climatology; weather forecasting, and visibility studies. For related information see also: 13 Geophysics; and 30 Space Sciences.

21 Navigation

591

Includes guidance; autopilots; star and planet tracking; inertial platforms; and air traffic control. For related information see also: 07 Communications.

22 Nuclear Engineering

605

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see: 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems; and 28 Propulsion Systems.

23 Physics, General

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Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics, 20 Meteorology, and 29 Space Radiation.

24 Physics, Atomic, Molecular, and Nuclear

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Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation.

25 Physics, Plasma

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Includes magnetohydrodynamics. For applications see: 28 Propulsion Systems.

26 Physics, Solid-State

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Includes semiconductor theory; and superconductivity. For applications see: 16 Masers. For related information see also: 10 Electronics.

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Includes fuels; igniters; and oxidizers. For basic re-

search see: 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also: 28 Propulsion Systems.

28 Propulsion Systems

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Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see: 31 Space Vehicles. For related information see also: 27 Propel-

No

29 Space Radiation

Abstracts

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics, and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

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Includes astronomy and astrophysics; cosmology; lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

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Includes launch vehicles; manned space capsules, clustered and multistage rockets; satellites; sounding rockets and probes; and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

713

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration; flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics, and 27 Propellants.

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34 General

Abstracts

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

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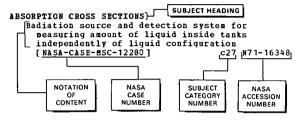
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JANUARY 1974

Typical Subject Index Listing



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[NASA-CASE-XMF-02303] c17 N71-23828 Adhesive spray process for attaching biomedical	[NASA-CASE-NSC-12143-1] C33 N72-17947
akin alagtrades	AERODYNAMIC LOADS
[NASA-CASE-XFR-07658-1]	Directed fluid stream for propeller blade
ADJUSTING	loading control
Centering device with ultrafine adjustment for	[NASA-CASE-XAC-00139] CO2 N70-34856

ABRODYNAMIC STABILITY SUBJECT INDEX

AERODYNAMIC STABILITY	Development of resilient fastener for attaching
Aerodynamically stable meteorological balloon	skin of aerospace vehicles to permit movement
using surface roughness effect [NASA-CASE-XMF-04163]	of skin relative to framework
Pressure sensor network for measuring liquid	[NASA-CASE-XLA-01027] c31 N71-24035 Chemical spot tests for identification of
dynamic response in flight including fuel tank	titanium and titanium alloys used in aerospace
acceleration, liquid slosh amplitude, and fuel depth monitoring	Venicles
[NASA-CASE-XLA-05541] c12 N71-26387	[NASA-CASE-LAR-10539-1] c17 N73-12547 AFTERBODIES
Spacecraft design with single point aerodynamic	Afterburner-equipped jet engine nacelle with
and hydrodynamic stability for emergency transport of men from space station to	slotted configuration afterbody
splashdown	[NASA-CASE-XLA-10450] c28 N71-21493
[NASA-CASE-MSC-13281] c31 N72-18859	Exhaust nozzle with afterburning for generating
ABRONAUTICAL ENGINEERING Differential pressure cell insensitive to	thrust
changes in ambient temperature and extreme	[NASA-CASE-XLA-00154] c28 N70-33374
overload [NASA-CASE-XAC-00042] c14 N70-34816	Device for controlling rotary potentiometer
AEROSOLS	mounted on aircraft steering wheel or aileron control
Liquid aerosol dispenser with explosively driven	[NASA-CASE-XAC-10019] c15 N71-23809
piston to compress light gas to extremely high pressure	AIR
[NASA-CASE-MFS-20829] c12 N72-21310	Gas purged dry box glove reducing permeation of air or moisture into dry box or isolator by
Remote detection and measurement of clear air	diffusion through glove
turbulence using pulsed laser radar [NASA-CASE-MFS-21244-1] c20 N73-21523	[NASA-CASE-XLE-02531] C05 N71-23080
Electrostatic entrained material measurement	Superconducting magnetic field trapping device for producing magnetic field in air
system	[NASA-CASE-XNP-01185] c26 N73-28710
[NASA-CASE-MFS-22128-1] c14 N73-26442 AEROSPACE ENGINEERING	AIR CONDITIONING EQUIPMENT
Modifying existing solar cells for temperature	Portable apparatus producing high velocity
control	annular air column surrounding low velocity, filtered, superclean air central core for
[NASA-CASE-NPO-10109] c03 N71-11049	industrial clean room environmental control
Metallic film diffusion for boundary lubrication in aerospace engineering	NASA-CASE-XMF-03212
[NASA-CASE-XLE-10337] c15 N71-24046	Air conditioning system and automatic distribution device for distributing air flow
Soldering device particularly suited to making	from opposite directions in supply duct
high quality wiring joints for aerospace engineering utilizing capillary attraction to	[NASA-CASE-GSC-11445-1] c15 N72-28503
regulate flow of solder	Modification and improvement of turbine blades
[NASA-CASE-XLA-08911] c15 N71-27214	for maximum cooling efficiency
AEBOSPACE ENVIRONMENTS High voltage insulators for direct current in	[NASA-CASE-XLE-00092] C15 N70-33264
acceleration system of electrostatic thrustor	AIR DUCTS Air conditioning system and automatic
[NASA-CASE-XLE-01902] c28 N71-10574	distribution device for distributing air flow
Metallic film diffusion into metal or ceramic surfaces for boundary lubrication in aerospace	from opposite directions in supply duct
environments	[NASA-CASE-GSC-11445-1] c15 N72-28503
[NASA-CASE-XLE-01765] c18 N71-10772	Development of filter apparatus for gas
Preparation of inorqanic solid film lubricants with long wear life and stability in aerospace	separation and characteristics of filter cell
environments	support frame for improved operation [NASA-CASE-MSC-12297] C14 N72-23457
[NASA-CASE-XMF-03988] c15 N71-21403	AIR FLOW
Momentum-velocity analyzer for measuring minute space particles	Wind tunnel air flow modulating device and
[NASA-CASE-XMS-04201] c14 N71-22990	apparatus for selectively generating wave motion in wind tunnel airstream
Metal alloy bearing materials for space	[NASA-CASE-XLA-00112] C11 N70-33287
applications [NASA-CASE-XLE-05033] c15 N71-23810	Photographing surface flow patterns on wind
Method and apparatus for adjusting thermal	tunnel test models [NASA-CASE-XLA-01353] C14 N70-41366
conductance in electronic components for space	Method for maintaining good performance in gas
use [NASA-CASE-XNP-05524] c33 N71-24876	turbine during air flow distortion
Space environment simulator for testing	[NASA-CASE-LEW-10286-1] c28 N71-28915 Air conditioning system and automatic
spacecraft components under aerospace conditions	distribution device for distributing air flow
[NASA-CASE-NPO-10141] c11 N71-24964 High dc switch for causing abrupt, cyclic,	from opposite directions in supply duct
decreases of current to operate under zero or	[NASA-CASE-GSC-11445-1] c15 N72-28503 Airflow distribution control in gas turbine
varying gravity conditions	engines
[NASA-CASE-LEW-10155-1] c09 N71-29035 Utilization of thiophenyl ether disiloxane and	[NASA-CASE-LEW-11593-1] c28 N73-25816
trisiloxane as lubricant fluids in severe	Apparatus and method for generating large mass flow of high temperature air at hypersonic
environment including space	speeds
[NASA-CASE-HFS-22411-1] c15 N73-28532 AEBOSPACE MEDICINE	[NASA-CASE-LAR-10612-1] c12 N73-28144
Piston device for producing known constant	AIR INTAKES Aeroflexible wing structure with air scoop for
positive pressure within lungs by using	intlating stiffeners with ram air
thoracic muscles [NASA-CASE-XMS-01615] c05 N70-41329	[NASA-CASE-XLA-06095] c01 N60-30001
ABBOSPACE VEHICLES	Adjustable airfoil for reversable cowl flap inlet thrust augmentation
Aerospace configuration with low and high aspect	[NASA-CASE-ARC-10754-1] c28 N73-32624
ratio variability for high and low speed flight [NASA-CASE-XLA-00142] c02 N70-33286	AIR LOCKS
Landing pad assembly for aerospace vehicles	Spacecraft air lock system to provide ingress and egress of astronaut without subjecting
[NASA-CASE-XMF-02853] C31 N70-36654	vehicular environment to vacuum of space
Aerospace wehicle with variable planform for hypersonic and subsonic flight	[NASA-CASE-XLA-02050] c31 N71-22968
[NASA-CASE-XLA-00805] C31 N70-38010	System for removing and repairing spacecraft control thrusters by use of portable air locks
T=#	control caracters by use of boltable gir locks

SUBJECT INDEX AIRCRAFT DESIGN

[NASA-CASE-MFS-20325] c28 N71-27095	
	[NASA-CASE-XFR-03107] c09 N71-19449
Airlock for waste transferal from pressurized	Design of dual fuselage aircraft with pivoting
enclosure aboard space vehicle to waste	wing and horizontal stabilizer to permit
receiver at negative pressure	yawing of wing in flight for high speed
[NASA-CASE-MFS-20922] c31 N72-20840	operation
Air lock mechanism for inserting and removing specimens from vacuum furnace	[NASA-CASE-ARC-10470-1]
[NASA-CASE-LAR-10841-1] c15 N73-12494	Aircraft configuration for reducing effects of nose-down pitching moments due to high lift
AIR POLLUTION	forces, loss of trim lift, and engine-out
Analytical photoionization mass spectrometer	yawing moments
with argon gas filter between light source and	[NASA-CASE-LAR-11252-1] CO2 N73-26007
monochrometer	Development of aircraft configuration for
[NASA-CASE-LAR-10180-1] c06 N71-13461	reduction of jet aircraft noise by exhausting
Contamination free separation nut eliminating	engine gases over upper surface of wing
combustion products from ambient surroundings	[NASA-CASE-LAR-11087-1] c02 N73-26008
qenerated by squib firing	AIRCRAFT CONTROL
[NASA-CASE-XGS-01971] c15 N71-15922	Development and characteristics of control
Electrostatic entrained material measurement	system for flexible wings
System	[NASA-CASE-XLA-06958] c02 N71-11038
[NASA-CASE-MPS-22128-1] c14 N73-26442 Application of infrared laser beam transmission	Development of attitude control system for
and transmitter receiver operating from	vertical takeoff aircraft using reaction
airborne platform to determine air pollution	nozzles displaced from various axes of aircraft [NASA-CASE-XAC-08972] c02 N71-20570
presence and concentration	Device for controlling rotary potentiometer
[NASA-CASE-NPO-11919-1] C14 N73-29436	mounted on aircraft steering wheel or aileron
AIR PURIFICATION	control
Developing high pressure gas purification and	[NASA-CASE-XAC-10019] c15 N71-23809
filtration system for use in test operations	Direct lift control system having flaps with
of space vehicles	slots adjacent to their leading edge and
[NASA-CASE-MFS-12806] c14 N71-17588	particularly adapted for lightweight aircraft
Portable apparatus producing high velocity	[NASA-CASE-LAR-10249-1] -c02 N71-26110
annular air column surrounding low velocity,	Supersonic or hypersonic vehicle control system
filtered, superclean air central core for industrial clean room environmental control	comprising elevons with hinge line sweep and
[NASA-CASE-XMF-03212] c15 N71-22721	free of adverse aerodynamic cross coupling
AIR SAMPLING	[NASA-CASE-XLA-08967] c02 N71-27088 Development of aircraft control system with high
Pressure probe for sensing ambient static air	performance electrically controlled and
pressures	mechanically operated hydraulic valves for
[NASA-CASE-XLA-00481] C14 N70-36824	precise flight operation
AIR TRAFFIC CONTROL	[NASA-CASE-XAC-00048] c02 N71-29128
Traffic control system for supersonic transports	Terminal quidance system for quiding aircraft
using synchronous satellite for data relay	into preselected altitude and/or heading at
between vehicles and ground station	terminal point
[NASA-CASE-GSC-10087-1] c02 N71-19287	[NASA-CASE-FRC-10049-1] c21 N72-21632
Satellite aided aircraft collision avoidance	Development of thrust control system for
system effective for large number of aircraft	application to control of aircraft and
[NASA-CASE-ERC-10090] c21 N71-24948 System and method for position locating for air	spacecraft
traffic control involving supersonic transports	[NASA-CASE-MSC-13397-1] c21 N72-25595 Aircraft control system for rotary wing aircraft
[NASA-CASE-GSC-10087-3] CO7 N72-12080	[NASA-CASE-ERC-10439] c02 N73-19003
AIRBORNE EQUIPMENT	Aircraft and spacecraft hand controllers for
Inflatable radar reflector unit - lightweight,	yaw, pitch, and roll
highly reflective to electromagnetic	[NASA-CASE-MSC-12394-1] CO3 N73-20041
radiation, and adaptable for erection and	Situational display system of cathode ray tubes
deployment with minimum effort and time	
	to assist pilot in aircraft control
[NASA-CASE-XMS-00893] cC7 N70-40063	[NASA-CASE-ERC-10350] c14 N73-20474
Application of infrared laser beam transmission	[NASA-CASE-ERC-10350] c14 N73-20474 Development of aerodynamic control system to
Application of infrared laser beam transmission and transmitter receiver operating from	[NASA-CASE-ERC-10350] c14 N73-20474 Development of aerodynamic control system to control flutter over large range of
Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution	[NASA-CASE-ERC-10350] c14 N73-20474 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability
Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration	[NASA-CASE-ERC-10350] c14 N73-20474 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques
Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436	[NASA-CASE-ERC-10350] c14 N73-20474 Development or aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] c02 N73-26004
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Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 AIRBORNE/SPACEBORNE COMPUTERS	[NASA-CASE-ERC-10350] c14 N73-20474 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] c02 N73-26004 Aircraft configuration for reducing effects of nose-down pitching moments due to high lift
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oscillators converting dc voltage to ac or	aluminum silicate clay having low solar
higher dc voltages	absorptance
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[NASA-CASE-XGS-01222] c10 N71-20841	indicating critical time duration
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[NASA-CASE-NPO-11821-1] c08 N73-26175	plates to prevent malfunctions due to
Analog to digital converter circuit for pulse	shape-change phenomenon
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[NASA-CASE-XNP-00477] CO8 N73-28045	Coaxial anode for gas radiation counter for suppressing background ionization interference
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ANALYZERS Mixed liquid and vapor phase analyzer design	with temperature reducing coatings against
	flames
with thermocouples for relative heat transfer	[NASA-CASE-XLE-00035] c33 N71-29151
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Automated fluid chemical analyzer for	Monopole antenna system for maximum
microchemical analysis of small quantities of	omnidirectional efficiency for use on satellites
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end of tube	input signals on two separate antennas to form
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[NASA-CASE-XMS-05936] c14 N70-41682	Vertically stacked collinear array of
ANGULAR CORRELATION	independently fed omnidirectional antennas for
Device for determining relative angular position	use in collision warning systems on commercial
of spacecraft and radiating celestial body	aircraft
[NASA-CASE-GSC-11444-1] c14 N73-28490	[NASA-CASE-LAR-10545-1] C09 N72-21244
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Stretch Yo-Yo mechanism for reducing initial	polarized pair of elements
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ANGULAR RESOLUTION	with phased array antenna
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[NASA-CASE-XMF-00447] C14 N70-33179	[NASA-CASE-GSC-11013-1] c09 N73-19234
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Describing angular position and velocity sensing	performance of electronically steered phased
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[NASA-CASE-XMF-06409] c06 N71-23230	[NASA-CASE-KSC-10769-1] c09 N73-27153
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Automatic pair feeding device for controlled	multimode monopulse antenna feed system for
feeding of test animals [NASI-CASE-ARC-10302-1]	use with microwave communication equipment
(11201 0100 1110 10000 1)	[NASA-CASE-XNP-01735] c07 N71-22750
ANNEALING Recovering efficiency of solar cells damaged by	Nose cone mounted heat resistant antenna
environmental radiation through thermal	comprising plurality of adjacent layers of
annealing	silica not introducing paths of high thermal
[NASA-CASE-XGS-04047-2] c03 N72-11062	conductivity through ablative shield
ANNULAR BOZZIBS	[NASA-CASE-XMS-04312] c07 N71-22984
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chambers	input signals on two separate antennas to form
[NASA-CASE-XLE-00145] c28 N70-36806	two processed signals
Electrostatic microthrust propulsion system with	[NASA-CASE-MSC-12205-1] c07 N71-27056
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[NASA-CASE-GSC-10709-1] c28 N71-25213	dipole antenna using deformable tubular
ANNULAR PLATES	metallic strip element
Bluff-shaped annular configuration for	[NASA-CASE-HQN-00937] c07 N71-28979
supersonic decelerator for reentry vehicles	Development of method for suppressing excitation
[NASA-CASE-XLE-00222] c02 N70-37939	of electromagnetic surface waves on dielectric
ANODES	converter antenna
Design and characteristics of heat activated	[NASA-CASE-XLA-10772] c07 N71-28980
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alkali metals and cathode made from oxidizing	system
— - material	- [NASA-CASE-GSC-10064-1] - c10 N72-22235
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[NASA-CASE-KSC-10392] c07 N73-26117	sources with nonuniform plasma density
Dish antenna having switching beamwidth with	[NASA-CASE-XNP-03332] c09 N71-10618
truncated concave ellipsoid subreflector	Threadless fastener apparatus comprising
[NASA-CASE-GSC-11760-1] CO9 N73-32116	receiving apertures for plurality of articles,
ANTENNA PEEDS	self-locked condition, and capable of using
Design and operation of multi-feed cone	nonmalleable materials in both ends
Cassegrain antenna	[NASA-CASE-XFR-05302] c15 N71-23254
[NASA-CASE-NPO-10539] c07 N71-11285	Electron microscope and method of making annular
Characteristics of antenna horn feeds consisting	objective aperture
of central horn with overlapping peripheral horns	[NASA-CASE-ARC-10448-1] c14 N72-21421
[NASA-CASE-GSC-10452]	Procedure for fabricating element with cavity closed by thin wall with precisely shaped slit
Target acquisition antenna feed with reflector	[NASA-CASE-LAR-10409-1] c15 N73-20526
system	Apparatus for on-film optical recording of
[NASA-CASE-GSC-10064-1] c10 N72-22235	camera lens aperture and focus setting
Low loss dichroic plate for passing radiation	[NASA-CASE-MSC-12363-1] c14 N73-26431
within selected frequency band for Cassegrain	APOLLO PROJECT
antenna feed	Intra- and extravehicular life support space
[NASA-CASE-NPO-13171-1] c07 N73-12150	suite for Apollo astronauts
Multimode antenna feed system for microwave and	[NASA-CASE-MSC-12609-1] c05 N73-32012
broadband communication [NASA-CASE-GSC-11046-1] c07 N73-28013	APOLLO SPACECRAPT
ANTENNA RADIATION PATTERNS	Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module
Broadband chokes and absorbers to reduce	[NASA-CASE-MSC-12279-1] c15 N70-35679
spurious radiation patterns of antenna array	Energy absorbing crew couch strut for Apollo
caused by support structures	command module
[NASA-CASE-XMS-05303] c07 N69-27462	[NASA-CASE-MSC-12279] c15 N72-17450
Multiple mode horn antenna with radiation	APPLICATIONS OF MATHEMATICS
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sidelobes	[NASA-CASE-XGS-04768] c08 N71-19437
[NASA-CASE-XNP-01057] c07 N71-15907	APPLICATIONS TECHNOLOGY SATELLITES
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[NASA-CASE-GSC-10299-1] c09 N71-24804	Technology Satellites
High impact antennas with high radiating	[NASA-CASE-XGS-02749] c07 N69-39978
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[NASA-CASE-NPO-10231] c07 N71-26101	Fuel system for thermal nuclear reactor which
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transversely polarized triaxial antenna	[NASA-CASE-LEW-11645-2] c22 N73-28660
[NASA-CASE-XGS-02290] c07 N71-28809	ARC DISCHARGES
Dielectric loaded aperture antenna with	Development of device to prevent high voltage
directive radiation pattern from wavequide [NASA-CASE-LAR-11084-1] c09 N73-12216	arcing in electron beam welding [NASA-CASE-XMF-08522] c15 N71-19486
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[NASA-CASE-MFS-20068] CO7 N71-27191	ablation and heating gases to supersonic or
Conical reflector antenna with feed	hypersonic wind tunnel temperatures
approximating line source	[NASA-CASE-XAC-00319] c25 N70-41628
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Development of hybrid bearing lubrication system with combination of standard type lubrication	arc rocket engine [NASA-CASE-LEW-11180-1] c25 N73-25760
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and space environment operation	Starting circuit design for initiating and
[NASA-CASE-XNP-01641] c15 N71-22997	maintaining arcs in vapor lamps
Development of rolling element bearing for	[NASA-CASE-XNP-01058] C09 N71-12540
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[NA SA-CASE-KSC-10752-1] c15 N73-27407	control for welding joints
Fatigue life of hybrid antifriction bearings at	[NASA-CASE-MFS-13046] c07 N71-19433
ultrahigh speeds	Development of device to prevent high voltage
[NASA-CASE-LEW-11152-1] c15 N73-32359	arcing in electron beam welding
Hollow high strength rolling elements for	[NASA-CASE-XMF-08522] c15 N71-19486
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preformed components [NASA+CASE-LEW-11026-1] c15 N73-33383	changing carriage speed of welding machine to
ANTISEPTICS	obtain constant speed of torch along work surface
Chemical synthesis of formaldehyde based	[NASA-CASE-XMF-07069] c15 N71-23815
disinfectants without penetrating odor and eye	ARCHITECTURE
and ear irritation properties	Development of construction block in form of
[NASA-CASE-NPO-12115-1] c06 N73-17153	container folded from flat sheet and filled
ANVILS	with solid material for architectural purposes
Exponential horn, copper plate, magnetic hammer,	[NASA-CASE-MSC-12233-2] c32 N73-13921
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	Design and development of electric motor with

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stationary field and armature windings which operates on direct current [NASA-CASE-XGS-05290] c09 N71-2599	Lightweight propulsion unit for movement of
	personnel and equipment across lunar surface
Solenoid valve including guide for armature and	ASTRONAUT PERFORMANCE
valve member	Gravity environment simulation by locomotion and
[NASA-CASE-GSC-10607-1] c15 N72-2044	
Direct current motor including stationary field	performance of astronauts at zero gravity
windings and stationary armature winding	[NASA-CASE-ARC-10153] c05 N71-28619
[NASA-CASE-XGS-07805] C15 N72-3347	
ROMATIC COMPOUNDS	Attitude control training device for astronauts
High temperature and ultraviolet stability	permitting friction-free movement with five
properties of poly(diarylsiloxy)arylazine	degrees of freedom
[NASA-CASE-ARC-10592-1] c18 N73-2955	
RETERIES	Low and zero gravity simulator for astronaut
Transducer for converting arterial pulse wave	training
into electric signals	[NASA-CASE-MFS-10555] c11 N71-19494
[NASA-CASE-GSC-11531-1] c05 N73-1109	
•	perform on simulated lunar surface under
ARTIFICIAL CLOUDS Chemical system for releasing barium to create	conditions of lunar gravity
	[NASA-CASE-XMS-04798] C11 N71-21474
ion clouds in upper atmosphere and	ASTRONAUTS
interplanetary space [NASA-CASE-LAR-10670-1] c06 N73-3009	
(
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Artificial gravity system for simulating	[NASA-CASE-MFS-21042] c07 N72-25171
self-locomotion capability of astronauts in	ASTRONAVIGATION
rotating environments	Guidance analyzer having suspended spacecraft
[NASA-CASE-XLA-03127] C11 N71-1077	
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[NASA-CASE-XNP-02595] c31 N71-2188	
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[NASA-CASE-LEW-11101-1] c31 N73-3275	
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Gravity gradient attitude control system with	opening and closing dome of solar optical
gravity gradiometer and reaction wheels for	telescope
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[NASA-CASE-GSC-10555-1] c21 N71-2732	
ASBESTOS	alignment between target, laser generator, and
Method for producing asbestos matrix suitable	astronomical telescope during tracking
for use in fuel cell or electrolysis cell	[NASA-CASE-NPO-11087] c23 N71-29125
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ASPECT RATIO	for maintaining fixed images
Variable aspect ratio and variable sweep delta	[NASA-CASE-LAR-10523-1] c14 N72-22444
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[NASA-CASE-XLA-00221] C02 N70-3326	6 Design and development of two types of
Supersonic aircraft configuration providing for	atmosphere sampling chambers
variable aspect ratio and variable sweep wings	[NASA-CASE-NPO-11373] c13 N72-25323
[NASA-CASE-XLA-00166] C02 N70-3417	
Supersonic aircraft variable sweep wing planform	sampling particulates in qases in upper
for varying aspect ratio	atmosphere
[NASA-CASE-XLA-00350] c02 N70-3801	1 [NASA-CASE-HQN-10037-1] c14 N73-27376
ASSEMBLIES	ATHOSPHERIC ENTRY
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Indexing mechanism for cathode array	determining visual field sensitivity and blind.
substitution in electron beam tube	spot size
	[NASA-CASE-ARC-10329-1] c05 N73-26072
[NASA-CASE-NPO-10625] c09 N71-26182	AUTOMOBILES
Voltage range selection apparatus for sensing	Combined shoulder harness and lap belt restraint
and applying voltages to electronic	system for use in aircraft or automobiles
instruments without loading signal source	[NASA-CASE-ARC-10519-1] c05 N72-31117
[NASA-CASE-XMS-06497] c14 N71-26244	AXES (REPERENCE LINES)
Automated fluid chemical analyzer for	Test fixture for measuring moment of inertia of
microchemical analysis of small quantities of	irregularly shaped body with multiple axes
liquids by use of selected reagents and	[NASA-CASE-XGS-01023] c14 N71-22992
analyzer units	Mechanism for restraining universal joints to
[NASA-CASE-XNP-09451] c06 N71-26754	prevent separation while allowing bending,
Automatic control device for regulating inlet	angulation, and lateral offset in any position
water temperature of liquid cooled spacesuit	about axis
[NASA-CASE-MSC-13917-1] c05 N72-15098	['NASA-CASE-XNP-02278] c15 N71-28951
Optimal control system for automatic speed	AXES OF ROTATION
regulation of electric driven motor vehicle	Unitary three-axis controller for flight
[NASA-CASE-NPO-11210] c11 N72-20244	vehicles within or outside atmosphere
Digitally controlled random noise vibration	[NASA-CASE-XFR-00181] c21 N70-33279
testing	Proportional controller for regulating aircraft
[NASA-CASE-NPO-11612] C11 N72-20251	or spacecraft motion about three axes
Plotter device for automatically drawing	[NASA-CASE-XAC-03392] c03 N70-41954
equipotential lines on sheet of resistance paper	Electrical and electromechanical trigonometric
[NASA-CASE-NPO-11134] c09 N72-21246	computation assembly and space vehicle
Automatic shunting of ion thrustor magnetic	
field when thrustor is not operating	quidance system for aliquing perpendicular
[NASA-CASE-LEW-10835-1] C28 N72-22771	axes of two sets of three-axes coordinate
	references
Automated system for monitoring oxidative metabolites of aromatic amines	[NASA-CASE-XMF-00684]
	Hand controller operable about three
[NASA-CASE-ARC-10469-1] c06 N72-31145	respectively perpendicular axes and capable of
Automatic temperature control for liquid cooled	actuating signal generators for attitude
space suit	control devices
[NASA-CASE-ARC-10599-1] c05 N73-26071	[NASA-CASE-XMS-07487] c15 N71-23255
Automatically operable self-leveling load table	AXIAL COMPRESSION LOADS
with plurality of solenoid valves	Development and characteristics of device for
[NASA-CASE-MFS-22039-1] c14 N73-30428	indicating and recording magnitude of force
Speed control system for dc motor equipped with	applied in axial direction
brushless Hall effect device	[NASA-CASE-MSC-15626-1] c14 N72-25411
[NASA-CASE-MFS-20207-1] c09 N73-32107	AXIAL FLOW TURBINES
UTONATIC CONTROL VALVES	Multistage multiple reentry axial flow reaction
Control system for maintaining liquid nitrogen	turbine with reverse flow reentry ducting
level in cryogenic reservoir	[NASA-CASE-XLE-00170] c15 N70-36412
_	1 0.00 001/01 010 01/0-30412

SUBJECT INDEX AXIAL LOADS

Multistage, multiple reentry, single	e rotor,	Force balanced throttle valve for fue	el control
axial flow turbine	c28 N70-39895	in rocket engines [NASA-CASE-NPO-10808]	c15 N71-27432
[NASA-CASE-XLE-00085] AXIAL LOADS	C26 N70-39893	Static force balancing system attached	
Ball locking device which releases i		lifting body	-11 N72-1006/
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AZIMUTH	mplered in	moving shaft [NASA-CASE-XLA-00013]	c15 N71-29136
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[NASA-CASE-MFS-14017] Measurement of relative azimuth bear	c14 N71-26627	[NASA-CASE-LEW-10856-1] Low mass rolling element bearing asso	c15 N72-22490 embly
laser source for projecting colling	nated beam	[NASA-CASE-LEW-11087-1]	c15 N73-30458
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_		[NASA-CASE-XGS-03351] Development of Mylar enclosure for m	c31 N71-16081
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[NASA-CASE-XNP-03835]	c06 N71-23499		c10 N71-28859
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[NASA-CASE-LAR-10317-1]	c32 N71-16103	block and heated tungsten screen f	
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[NASA-CASE-XMS-06761] BALANCE	c05 N69-23192	Memory device employing semiconducto ferroelectric properties of single	
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[NASA-CASE-LAR-10774]	c10 N71-13545		

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Short range obstacle detector for surface	coupled to same air gap via different low
vehicles using laser diode array	magnetic reluctance paths for use with
[NASA-CASE-NPO-11856-1] c16 N72-25490	permanent magnets [NASA-CASE-GSC-11079-1] c21 N71-28461
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to improve chemical bonding and reduce coating	gravity environments
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[NASA-CASE-XLA-01995] c18 N71-23047	Measuring device for bearing preload using
BATTERY CHARGERS Battery charging system with cell to cell	spring washers [NASA-CASE-MFS-20434] c11 N72-25288
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[NASA-CASE-XGS-05432] c03 N71-19438	lightweight core and hollow center
Alkaline-type coulometer cell for primary charge	[NASA-CASE-LEW-11087-3] c15 N73-20534
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[NASA-CASE-XGS-05434] c03 N71-20491 Development and characteristics of battery	[NASA-CASE-XFR-00811] c15 N70-36901
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Beam lead integrated circuit package and method	common board, using bellows principle in rivet
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[NASA-CASE-GSC-10220-1] c07 N71-27233	Development of systems for automatically and
Dish antenna having switching beamwidth with	continually suppressing or attenuating bending
truncated concave ellipsoid subreflector [NASA-CASE-GSC-11760-1] c09 N73-32116	motion in elastic bodies [NASA-CASE-XAC-05632] c32 N71-23971
[NASA-CASE-GSC-11760-1] c09 N73-32116 BEAM WAVEGUIDES	Elbow forming in jacketed pipes while
Laser machining device with dielectric	maintaining separation between core shape and
functioning as beam waveguide for mechanical	jacket pipes
and medical applications	[NASA-CASE-XNP-10475] c15 N71-24679
[NASA-CASE-HQN-10541-2] c15 N71-27135 Optical communication system with gas filled	Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408
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[NASA-CASE-HQN-10541-4] c16 N71-27183	Charged particle analyzer with periodically
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alignment between target, laser generator, and	deflection members [NASA-CASE-XAC-05506-1] c24 N71-16095
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Method and means for recording and	beams or rods by bending at high temperatures
reconstructing holograms without use of	in vacuum or inert atmosphere
reference beam	[NASA-CASE-XLE-01300] c15 N70-41993
[NASA-CASE-ERC-10020] c16 N71-26154 Method and system for transmitting and	Cryostat for flexure fatique testing of composite materials
distributing optical frequency radiation	[NASA-CASE-XMF-02964] c14 N71-17659
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[NASA-CASE-XLA-00183] c14 N70-40239	bending vibration induced by wind effects
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optical direction sensing [NASA-CASE-NPO-10320] c14 N71-17655	BENZENE Para-benzoquinone dioxime and concentrated
Omnidirectional liquid filled accelerometer	mineral acid processed to yield intumescent or
design with liquid and housing temperature	fire resistant, heat insulating materials,
compensation	[NASA-CASE-ARC-10304-1]
- [NASA-CASE-HQN-10780] c14 N71-30265	BERYLLIUM ALLOYS
BEARINGS Motel allow hearing materials for space	Development of fluoride coating to prevent oxidation of beryllium surfaces at elevated
Metal alloy bearing materials for space applications	
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two-axis gimbal carrying satellite payload	Nonmagnetic thermal motor for magnetometer
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Development of thermal compensating structure	[NASA-CASE-GSC-10565-1] c06 N72-25149
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produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] c07 N71-19773	potential differences generated by human muscles and organs
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[NASA-CASE-XNP-04623] c10 N71-26103 Design and development of encoder/decoder system	resistant-stress resistant biopotential electrode
to generate binary code which is function of	[NASA-CASE-MSC-90153-2] c05 N72-25120
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[NASA-CASE-NPO-10342] c10 N71-33407	Development and characteristics of electrodes in
Binary coded sequential acquisition ranging system for distance measurements	which poisoning by organic molecules is prevented by ion selective electrolytic
[NASA-CASE-NPO+11194] c08 N72-25209	deposition of hydrophilic protein colloid
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[NASA-CASE-XGS-04766] c08 N71-18602 Describing circuit for obtaining sum of squares	Isolated dc amplifier for bioelectric measurements
of numbers	[NASA-CASE-ARC-10596-1] c09 N72-27233 BIOINSTRUMENTATION
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in receiver of PSK/PCM communication system [NASA-CASE-NPO-10851] c07 N71-24613	bioinstrumentation circuits [NASA-CASE-XAC-00435] c09 N70-35440
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carrier waves in communication systems	level signals from skin of living creatures
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[NASA-CASE-XLA-00471] c08 N70-34778	Development of apparatus and method for
Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787	quantitatively measuring brain activity as automatic indication of sleep state and level
Binary number sorter for arranging numbers in	of consciousness
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[NASA-CASE-NPO-10112] c08 N71-12502	Development and characteristics of electrodes in
Binary sequence detector with few memory elements and minimized logic circuit complexity	which poisoning by organic molecules is prevented by ion selective electrolytic
[NASA-CASE-XNP-05415] C08 N71-12505	deposition of hydrophilic protein colloid
Cathode ray tube system for displaying ones and	[NASA-CASE-XMS-04213-1] c09 N71-26002
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[NASA-CASE-KSC-10595] COS N73-12176	Describing method for lyophilization of
Binary concatenated coding system to measure, count, and record numerical information using	luciferase containing mixtures for use in life detection reactions
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[NASA-CASE-MSC-14082-1] c08 N73-16163	BIOMEDICAL DATA
Family of m-ary linear feedback shift register	Silicon radiation detecting probe design for in
with binary logic [NASA-CASE-NPO-11868] c10 N73-20254	vivo biomedical use [NASA-CASE-XMS-01177] c05 N71-19440
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single set of logic circuits notwithstanding number of shift register decades	biological measurements [NASA-CASE-XMS-04212-1] c05 N71-12346
[NASA-CASE-XNP-00432] c08 N70-35423	Compressible electrolyte saturated sponge
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[NASA-CASE-XGS-01230] c08 N71-19544 Binary to decimal decoder logic circuit design	Ultrasonic biomedical system for measuring and recording movements of organs such as heart
with feedback control and display device	valves
[NASA-CASE-XKS-06167] COS N71-24890	[NASA-CASE-ARC-10597-1] c05 N72-31116
High speed direct binary to binary coded decimal converter for use in PCM telemetry systems	Transducer for converting arterial pulse wave
[NASA-CASE-KSC-10326] c08 N72-21197	into electric signals [NASA-CASE-GSC-11531-1] c05 N73-11097
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fluoride and binder for high temperature	information obtained from patient in moving

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ambulance to hospital for diagnosis [NASA-CASE-FRC-10031] c05 N70-20717	atmospheres without involving high temperatures [NASA-CASE-LAR-11138] c12 N71-20436
Biotelemetry apparatus with dual voltage qenerators for implanting in animals	BODIES OF REVOLUTION Conforming polisher for aspheric surfaces of
[NASA-CASE-XAC-05706] C05 N71-12342	revolution with inflatable tube
Multichannel medical monitoring system to measure physiological parameters from display	[NASA-CASE-XGS-02884] c15 N71-22705 Test fixture for measuring moment of inertia of
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[NASA-CASE-MSC-14180-1] c05 N73-22045	[NASA-CASE-XGS-01023] c14 N71-22992 BODY FLUIDS
BIREFRINGENCE Automatic polarimeter capable of measuring	Computer controlled infusion pump for time
transient birefringence changes in	<pre>varying input of calcium into physiological systems</pre>
electro-optic materials [NASA-CASE-XNP-08883] c23 N71-16101	[NASA-CASE-ARC-10447-1] c05 N73-14092
BISTABLE CIRCUITS	BODY KINEMATICS Space suit with improved waist and torso movement
Bistable multivibrator circuits operating at high speed and low power dissipation	[NASA-CASE-ARC-10275-1] c05 N72-22092
[NASA-CASE-XGS-00823] c10 N71-15910	BODY REASUREMENT (BIOLOGY) Elastomer loaded with metal particles for
BIT SYNCHRONIZATION Telemetry data unit to form multibit words for	elastic biomedical electrodes
use between demodulator and computer	[NASA-CASE-ARC-10268-1] CO 9 N70-12620
[NASA-CASE-XNP-09225] c09 N69-24333 Bit synchronization system using digital data	Biomedical system for measuring volume and volume variations of human body under zero
transition tracking phased locked loop	gravity conditions
[NASA-CASE-NPO-10844] c07 N72-20140 Pulse code modulated signal synchronizer with	[NASA-CASE-MSC-13972-1] c05 K72-20105 Ingestible miniaturized telemetry device for
three loop circuits	deep body temperature measurements on humans
[NASA-CASE-MSC-12462-1] CO7 N72-28165	and animals [NASA-CASE-ARC-10583-1]
Bit synchronization of PCM communications signal, without separate synchronization	BODY TEMPERATURE
channel by digital correlation	Thermoregulating with cooling flow pipe network
[NASA-CASE-NPO-11302-1] c07 N73-13149 BITERNARY CODE	for humans [NASA-CASE-XMS-10269]
Encoders designed to generate comma free	BODY VOLUME (BIOLOGY) Biomedical system for measuring volume and
biorthogonal Reed-Muller type code comprising conversion of 64 6-bit words into 64 32-bit	volume variations of human body under zero
data for communication purposes	gravity conditions
[NASA-CASE-NPO-10595] c10 N71-25917	[NASA-CASE-MSC-13972-1] c05 N72-20105 BOILERS
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MOD 2 sequential function generator for multibit	and shell heat exchanger
sequence, with two-bit shift register for each	[NASA-CASE-NPO-10831] c33 N72-20915 BOLOMETERS
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Development of black-body source calibration furnace	[NASA-CASE-XNP-01193] c10 N71-16057
[NASA-CASE-XLE-01399] c33 N71-15625	Thin film capacitive bolometer and capacitance temperature interchange sensor
Black body cavity radiometer with thermal resistance wire bridge circuit	[NASA-CASE-NPO-10607] c09 N71-27232
[NASA-CASE-XNP-08961] C14 N71-24809	BOLTS Patent data on gas actuated bolt disconnect
Black body radiometer design with temperature sensing and cavity heat source cone winding	assembly
[NASA-CASE-XNP-09701] c14 N71-26475	[NASA-CASE-XLA-00326] C03 N70-34667 Bolt-latch mechanism for releasing despin
Black body radiometer having isothermally surrounded cavity for ultraviolet, visible,	weights from space vehicle
and infrared radiation	[NASA-CASE-XLA-00679] c15 N70-38601 Gage for quality control of sealing surfaces of
[NASA-CASE-NPO-10810] c14 N71-27323 BLADE TIPS	threaded boss
Modification and improvement of turbine blades	[NASA-CASE-XMF-04966] c14 N71-17658 Split nut and bolt separation device
for maximum cooling efficiency [NASA-CASE-XLE-00092] c15 N70-33264	TNASA-CASE-XNP-069147 c15 N71-21489
BLADES (CUTTERS)	Device for securing together structural members
Piston in bore cutter for severing parachute control lines and sealing cable hole to	with axially stretched bolt and nut [NASA-CASE-GSC-11149-1] c15 N73-30457
prevent water leakage into load	BONDING
[NASA-CASE-XMS-04072] c15 N70-42017	Silver chloride use in technique for fusion bonding of graphite to silver, glass,
BLAST LOADS Development of apparatus for detonating	ceramics, and certain other metals
explosive devices in order to determine forces generated and detonation propagation rate	[NASA-CASE-XGS-00963] c15 N69-39735 Reduction of peak shear stress in bonded joint
[NASA-CASE-LAR-10800-1] c33 N72-27959	[NASA-CASE-LAR-10900-1] c15 N73-16499
BLOOD PRESSURE	High temperature bonding of sapphire to sapphire by eutectic Al203 and ZrO2 mixture to form
Blood pressure measuring system for separately recording dc and ac pressure signals of	sapphire rubidium maser cell
Korotkoff sounds	[NASA-CASE-GSC-11577-1] c15 N73-19467 BONES
[NASA-CASE-XMS-06061] c05 N71-23317 Initial systole and dicrotic notch detecting	Ultrasonic bone densitometer for measuring
circuitry for monitoring arterial pressure pulse	calcium content of bone structures [NASA-CASE-MFS-20994-1] c05 N73-30090
[NASA-CASE-LEW-11581-1] c05 N73-18139 BLUFF BODIES	BOOMS (EQUIPMENT)
Bluff-shaped annular configuration for	Unfolding boom assembly with knuckle joints for
supersonic decelerator for reentry vehicles [NASA-CASE-XLE-00222] c02 N70-37939	positioning equipment for spacecraft [NASA-CASE-XGS-00938] c32 N70-41367
HIUNT_BODIES	collapsible antenna boom and coaxial transmission line having inflatable inner tube
Wind tunnel method for simulating flow fields around blunt vehicles entering planetary	[NASA-CASE-NFS-20068] C07 N71-27191
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BOOSTER RECOVERY SUBJECT INDEX

Extendable, self-deploying boom apparatus	Electric resistance spot welding and brazing for
[NASA-CASE-GSC-10566-1] c15 N72-18477 Design and characteristics of mechanically	producing metal bonds with superior mechanical and structural characteristics
extended and telescoping boom on crane assembly	[NASA-CASE-LAR-11072-1] c15 N73-20539
[NASA-CASE-NPO-11118] c03 N72-25021 BOOSTER RECOVERY	BREATHING APPARATUS
Techniques for recovery of multistage rocket	Three-port transfer valve with one port open continuously suitable for manned space flight
vehicles by providing lifting surfaces on	[NASA-CASE-XAC-01158] c15 N71-23051
individual sections [NASA-CASE-XMF-00389] c31 N70-34176	BRICKS
Recoverable, reusable single stage booster	Development of construction block in form of container folded from flat sheet and filled
capable of injecting large payloads into	with solid material for architectural purposes
circular earth orbit [NASA-CASE-XMF-01973] c31 N70-41588	[NASA-CASE-MSC-12233-2] c32 N73-13921
[NASA-CASE-XMF-01973] c31 N70-41588 BOOSTER BOCKET ENGINES	BRIGHTHESS Modulating and controlling intensity of light
Segmented back-up bar for butt welding large	beam from high temperature source by
tubular structures such as rocket booster bodies or tanks	servocontrolled rotating cylinders
[NASA-CASE-XMF-00640] c15 N70-39924	[NASA-CASE-XMS-04300] CO9 N71-19479 BRIGHTNESS DISCRIMINATION
Recoverable, reusable single stage booster	Video signal processing system for sampling
capable of injecting large payloads into	video brightness levels
circular earth orbit [NASA-CASE-XMF-01973] c31 N70-41588	[NASA-CASE-NPO-10140] c07 N71-24742 Automated visual sensitivity tester for
BORING MACHINES	determining visual field sensitivity and blind
Automatic controlled drive mechanism for	spot size
portable boring bar [NASA-CASE-XLA-03661] c15 N71-33518	[NASA-CASE-ARC-10329-1] c05 N73-26072 BROADBAND
BORON CARBIDES	Broadband chokes and absorbers to reduce
Catalyst for increased growth of boron carbide	spurious radiation patterns of antenna array
crystal whiskers [NASA-CASE-XHQ-03903] c15 N69-21922	caused by support structures [NASA-CASE-XMS-053031 c07 N69-27462
BOUNDARY LAYER CONTROL	[NASA-CASE-XMS-05303] c07 N69-27462 Flexible monopole antenna with broad bandwidth
Double hinged flap for boundary layer control	and low voltage standing wave ratio
over trailing edges of wings [NASA-CASE-XLA-01290] c02 N70-42016	[NASA-CASE-MSC-12101] c09 N71-18720 Broadband frequency discriminator with resistive
BOUNDARY LAYER SEPARATION	captive inductive networks
Tertiary flow injection system for thrust	[NASA-CASE-NPO-10096] c07 N71-24583
vectoring of propulsive nozzle flow [NASA-CASE-MFS-20831] c28 N71-29153	Broadband microwave waveguide window to compensate dielectric material filling
BOUNDARY LAYERS	[NASA-CASE-XNP-08880] c09 N71-24808
Plow meter for measuring stagnation pressure in	Comb type traveling wave maser amplifier for
boundary layer around high speed flight vehicle [NASA-CASE-XFR-02007] c12 N71-24692	improved high gain broadband output [NASA-CASE-NPO-10548] c16 N71-24831
Development of thermocouple instrument for	NASA-CASE-NPO-10548] c16 N71-24831 Wideband voltage controlled oscillator with high
measuring temperature of wall heated by	phase stability
flowing fluid without disturbing boundary layer [NASA-CASE-XLE-05230] c14 N72-27410	[NASA-CASE-XLA-03893] c10 N71-27271 Multimode antenna feed system for microwave and
BOXES (CONTAINERS)	broadband communication
Sealed storage container for channel carriers	[NASA-CASE-GSC-11046-1] c07 N73-28013
with mounted miniature electronic components [NASA-CASE-MFS-20075] c09 N71-26133	BROADBAND AMPLIFIERS Solid state broadband stable power amplifier
BRAKES (FOR ARRESTING MOTION)	[NASA-CASE-XNP-10854] c10 N71-26331
Energy dissipating shock absorbing system for	Broadband distribution amplifier with
land payload recovery or vehicle braking [NASA-CASE-XLA-00754] c15 N70-34850	complementary pair transistor output stages [NASA-CASE-NPO-10003] c10 N71-26415
Automatic braking device for rapidly	I NASA-CASE-NPO-10003] C10 N71-26415 BRUSHES
transferring humans or materials from elevated location	Fabrication of sintered impurity semiconductor
[NASA-CASE-XKS-C7814] c15 N71-27067	brushes for electrical energy transfer [NASA-CASE-XMF-01016] c26 N71-17818
Sprag solenoid brake with cylindrical chamber	BUBBLES
[NASA-CASE-MFS-21846-1]	High-voltage isolator design for injecting
Direct current electromotive system for	hydrogen bubbles into liguid metal feed lines to interrupt electrical continuity
regenerative braking of electric motor	[NASA-CASE-NPO-11075] c09 N71-34208
[NASA-CASE-XMF-01096]. c10 N71-16030 Linear magnetic braking system with nonuniformly	BUCKLING
wrapped primary coil producing constant	Miniature vibration isolator utilizing elastic tubing material
braking force on secondary coil	[NASA-CASE-XLA-01019] c15 N70-40156
[NASA-CASE-XLE-05079] c15 N71-17652 Anemometer with braking mechanism to prevent	Test equipment to prevent buckling of small diameter specimens during compression tests
rotation of wind driven elements	[NASA-CASE-LAR-10440-1] c14 N73-32323
[NASA-CASE-XMF-05224] c14 N71-23726 BRAZING	BUFFER STORAGE
Anti-wettable materials brazing processes using	Data handling based on source significance, storage availability, and data received from
titanium and zirconium for surface pretreatment	source
[NASA-CASE-XMS-03537] c15 N69-21471 Application techniques for protecting materials	[NASA-CASE-XNP-04162-1] c08 N70-34675
during salt bath brazing	Data acquisition and processing system with buffer storage and timing device for magnetic
[NASA-CASE-XLE-00046] c15 N70-33311	tape recording of PCM data and timing
Joining aluminum to stainless steel by bonding aluminum coatings onto titanium coated	information
stainless steel and brazing aluminum to	[NASA-CASE-NPO-12107] c08 N71-27255 Digital to analog converter with parallel
aluminum/titanium coated steel	input/output memory device
[NASA-CASE-HFS-C7369] c15 N71-20443 Brazing alloy adapted for brazing corrosion	[NASA-CASE-KSC-10397] c08 N72-25206
resistant steel to refractory metals, also for	BUILDINGS Apparatus and method of assembling building
brazing refractory metals to other refractory	blocks by folding pre-cut flat sheets of
metals [NASA-CASE-XNP-03063] c17 N71-23365	material during on-site construction
	[NASA-CASE-MSC-12233-1] c15 N72-25454

CAMERAS SUBJECT INDEX

	[NASA-CASE-XMS-00259] c18 N70-36400
BULKHBADS	[NASA-CASE-XMS-00259] c18 N70-36400 Production of barium fluoride-calcium fluoride
Liquid propellant tank design with semitoroidal	composite lubricant for bearings or seals
bulkhead [NASA-CASE-XMF-01899]	[NASA-CASE-XLE-08511-2] c18 N71-16105
HUOANCA	CALCIUM PHOSPHATES
Inflatable radar reflector unit - lightweight,	Process for preparing calcium phosphate salts
highly reflective to electromagnetic	for tooth repair [NASA-CASE-ERC-10338] c04 N72-33072
radiation, and adaptable for erection and	CALIBRATING
deployment with minimum effort and time	Development and characteristics of self-
[NASA-CASE-XMS-00893] CO7 N7C-40063 BURNING RATE	calibrating displacement transducer for
Pressurized gas injection for burning rate	measuring magnitude and frequency of
control of solid propellants	displacement of bodies
[NASA-CASE-XLE-03494] c27 N71-21819	[NASA-CASE-XLA-00781] c09 N71-22999 Combination pressure transducer-calibrator
Development of apparatus for testing burning	assembly for measuring fluid
rate and flammability of materials [NASA-CASE-XMS-09690] c33 N72-25913	f NASA-CASE-XNP-016601 c14 N71-23036
BURNOUT CSS M. 2 255.0	Control system for pressure balance device used
Spherical solid propellant rocket engine having	in calibrating pressure gages
abrupt burnout	[NASA-CASE-XMF-04134] c14 N71-23755 Phonocardiogram simulator producing electrical
[NASA-CASE-XHQ-01897] C28 N70-35381	voltage waves to control amplitude and
BUTT JOINTS Channel-type shell construction for rocket	duration between simulated sounds
engines and related configurations	[NASA-CASE-XKS-10804] c05 N71-24606
[NASA-CASE-XLE-00144] C28 N70-34860	Calibrator for measuring and modulating or
Segmented back-up bar for butt welding large	demodulating laser outputs
tubular structures such as rocket booster	[NASA-CASE-XLA-03410] c16 N71-25914 Plastic sphere for radar tracking and calibration
hodies or tanks	[NASA-CASE-XLA-11154] CO7 N72-21117
[NASA-CASE-XMF-00640] c15 N70-39924	Compact calibration assembly for ultrahigh
BUTTERFLY VALVES Flexible inflatable seal for butterfly valves	vacuum system
[NASA-CASE-XLE-00101] c15 N70-33376	[NASA-CASE-LAR-10862-1] c14 N72-28460
BYPASSES	Design of system for calibrating pressure
Low power drain transistor feedback circuit	transducers. [NASA-CASE-LAR-10910-1]
[NASA-CASE-XGS-04999] c09 N69-24317	[NASA-CASE-LAR-10910-1] c14 N72-28462 Calibration of vacuum gauges for measuring total
Helical coaxial resonator RF filter	and partial pressures in ultrahigh vacuum region
[NASA-CASE-XGS-02816] c07 N69-24323 Current regulating voltage divider design with	[NASA-CASE-XGS-07752] c14 N73-30390
load current shunting	CALORIMETERS
[NASA-CASE-MFS-20935] C09 N71-34212	Development and characteristics of calorimeter
Electrical interconnection of unilluminated	with integral heat sink for maintenance of
solar cells in solar battery array	constant temperature [NASA-CASE-XMF-04208] c33 N71-29051
[NASA-CASE-GSC-10344-1] c03 N72-27053	Calorimeter for measuring thermal output of
	nickel cadmium batteries
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CABLE FORCE RECORDERS	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMERA SHUTTERS
Design and characteristics of device for showing	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMERA SHUTTERS Electrically operated rotary shutter for
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Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNF-07587] c15 N71-18701	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273 Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060 Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] c14 N73-14427 Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-GSC-11560-1] c09 N73-26198 CAMERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] c23 N71-23976
Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNP-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMBERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273 Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060 Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] c14 N73-14427 Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-GSC-11560-1] c09 N73-26198 CAMBERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] c23 N71-23976 Camera adapter design for image magnification
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Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XHP-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord [NASA-CASE-XGS-02554] c31 N71-21064 Quick attach mechanism for moving or stationary wires, ropes, or cables	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMBERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273 Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060 Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] c14 N73-14427 Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-GSC-11560-1] c09 N73-26198 CAMBERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] c23 N71-23976 Camera adapter design for image magnification including lens and illuminator [NASA-CASE-XHF-03844-1] c14 N71-26474 Longitudinalfilm gate and lock mechanism for
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Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNR-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord [NASA-CASE-XSG-02554] c31 N71-21064 Quick attach mechanism for moving or stationary wires, ropes, or cables [NASA-CASE-XFF-05421] c15 N71-22994 Flexible cable that can be made rigid [NASA-CASE-MSC-13512-1] c15 N72-22485 Guide member for stabilizing cable of open shaft elevator	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273 Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060 Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] c14 N73-14427 Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-MPO-10756]] c09 N73-26198 CAMERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] c23 N71-23976 Camera adapter design for image magnification including lens and illuminator [NASA-CASE-XLA-1] c14 N71-26474 Longitudinalfilm gate and lock mechanism for securing film in motion picture cameras under vibration and high acceleration loads [NASA-CASE-LAR-10686] c14 N71-28935 Design and characteristics of laser camera system with diffusion filter of small
Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XHR-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord [NASA-CASE-KSC-02554] c31 N71-21064 Quick attach mechanism for moving or stationary wires, ropes, or cables [NASA-CASE-MSC-13512-1] c15 N71-22994 Flexible cable that can be made rigid [NASA-CASE-MSC-13512-1] c15 N72-22485 Guide member for stabilizing cable of open shaft elevator [NASA-CASE-KSC-10513] c15 N72-25453	nickel cadmium batteries [NASA-CASE-GSC-11434-1] c14 N72-27430 CAMERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273 Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060 Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] c14 N73-14427 Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-SC-11560-1] c09 N73-26198 CAMERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] c23 N71-23976 Camera adapter design for image magnification including lens and illuminator [NASA-CASE-XHP-03844-1] c14 N71-26474 Longitudinalfilm gate and lock mechanism for securing film in motion picture cameras under vibration and high acceleration loads [NASA-CASE-LAR-10686] c14 N71-28935 Design and characteristics of laser camera system with diffusion filter of small particles with average diameter larger than
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Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XHP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XHP-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord [NASA-CASE-XGS-02554] c31 N71-21064 Quick attach mechanism for moving or stationary wires, ropes, or cables [NASA-CASE-MSC-13512-1] c15 N71-22994 Flexible cable that can be made rigid [NASA-CASE-MSC-13512-1] c15 N72-22485 Guide member for stabilizing cable of open shaft elevator [NASA-CASE-KSC-10513] c15 N72-25453 CALCIUM Computer controlled infusion pump for time varying input of calcium into physiological systems [NASA-CASE-ARC-10447-1] c05 N73-14092	nickel cadmium batteries [NASA-CASE-GSC-11434-1] CAMERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-NSC-11560-1] CAMERAS Mechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-KLA-01987] Camera adapter design for image magnification including lens and illuminator [NASA-CASE-KLA-1] Longitudinalfilm gate and lock mechanism for securing film in motion picture cameras under vibration and high acceleration loads [NASA-CASE-LAR-10686] Design and characteristics of laser camera system with diffusion filter of small particles with average diameter larger than wavelength of laser light [NASA-CASE-NPO-10417] Optical scanner with linear housing and rotating camera [NASA-CASE-NPO-10417] C14 N72-22441
Design and characteristics of device for showing amount of cable payed out from winch and load imposed [NASA-CASE-MSC-12052-1] c15 N71-24599 CABLES Cable quide and restraint device for reefing tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512 CABLES (ROPES) High voltage cable for use in high intensity ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201 Force separation rigid tethering device using cables [NASA-CASE-XLA-02332] c32 N71-17609 Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XHF-07587] c15 N71-18701 Design and construction of satellite appendage tie-down cord [NASA-CASE-XGS-02554] c31 N71-21064 Quick attach mechanism for moving or stationary wires, ropes, or cables [NASA-CASE-XFF-05421] c15 N71-22994 Flexible cable that can be made rigid [NASA-CASE-XFF-05421] c15 N72-22485 Guide member for stabilizing cable of open shaft elevator [NASA-CASE-KSC-10513] c15 N72-25453 CALCIUM Computer controlled infusion pump for time varying input of calcium into physiological systems [NASA-CASE-ARC-10447-1] c05 N73-14092 Ultrasonic bone densitometer for measuring	nickel cadmium batteries [NASA-CASE-GSC-11434-1] CAMERA SHUTTERS Electrically operated rotary shutter for television camera aboard spacecraft [NASA-CASE-XNP-00637] Magnetically opened diaphraqm design with camera shutter and expansion tube applications [NASA-CASE-XLA-03660] Development and characteristics of cyclically operable, optical shutter for use as focal plane shutter for transmitting single radiation pulses [NASA-CASE-NPO-10758] Development of rotary solenoid shutter drive assembly and inertia damper for use with cameras mounted in satellites [NASA-CASE-SC-11560-1] CAMERAS Hechanism for measuring nanosecond time differences between luminous events using streak camera [NASA-CASE-XLA-01987] Camera adapter design for image magnification including lens and illuminator [NASA-CASE-XHF-03844-1] Longitudinalfilm gate and lock mechanism for securing film in motion picture cameras under vibration and high acceleration loads [NASA-CASE-NFD-10417] Design and characteristics of laser camera system with diffusion filter of small particles with average diameter larger than wavelength of laser light [NASA-CASE-NFD-10417] Optical scanner with linear housing and rotating camera [NASA-CASE-NFD-11002] Apparatus for on-film optical recording of
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Hechanical exposure interlock device for	Material compositions and processes for
preventing film overexposure in oscillosco	developing dielectric thick films used in
[NASA-CASE-LAR-10319-1] C14 N73-	microcircuit capacitors 2322 [NASA-CASE-LAR-10294-1] c26 N72+28763
CANARD CONFIGURATIONS	Micrometeoroid analyzer using arrays of
Thrust and attitude control apparatus using nozzle in movable canard surface or fin	et Interconnected capacitors and ion detector
configuration	[NASA-CASE-ARC-10443-11
[NASA-CASE-XLE-03583] c31 N71-	Insulated electrode for electrocardiographic recording without paste electrolyte
CANS	[NASA-CASE-MSC-14339-1] COS N73-21151
Design and characteristics of device for clo canisters under high vacuum conditions	ing Integrated microcircuits and complementary
[NASA-CASE-XLA-C1446] C15 N71-	four-phase logic system
Extrusion can for extruding ceramics under h	1528 [NASA-CASE-HSC-14240-1] c10 N73-21240 at CAPILLARY FLOW
and pressure [NASA-CASE-NPO-10812] c15 N73-	Capillary radiator for carrying heat transfer
[NASA-CASE-NPO-10812] c15 N73- CANTILEVER BEAMS	11quid in planetary spacecraft structures
Pneumatic cantilever beams and platform for	[NASA-CASE-XLE-03307] c33 N71-14035 Lubrication for bearings by capillary action
space erectable structure	from Oil reservoir of porous material
[NASA-CASE-XLA-01731] c32 N71- CANTILEVER MEMBERS	1045 [NASA-CASE-XNP-039721 c15 N71-230/10
Deployable cantilever support for deploying	Soldering device particularly suited to making
solar cell arrays aboard spacecraft and	high quality wiring joints for aerospace engineering utilizing capillary attraction to
reducing transient loading	requiate flow of solder
[NASA-CASE-NPO-13883] c31 N72- CAPACITANCE	() N/)-2/2/4
Capacitance measuring device for determining	CAPILLARY TUBES Tubular flow restrictor for gas flow control in
flare accuracy on tapered tubes	pipeline
[NASA-CASE-XKS-03495] c14 N69- Device for measuring two orthogonal componen	
of force with gallium flotation of measuri	Development of liquid separating system using capillary device connected to flexible bladder
target for use in vacuum environments	storage chamber
[NASA-CASE-XAC-C4885] c14 N71- Thin film capacitive bolometer and capacitance	3790 [NASA-CASE-XMS-13052] c14 N71-20427
temperature interchange sensor	
[NASA-CASE-NPO-10607] c09 N71-	electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as
Capacitive tank gaging device for monitoring	Circuit breaker
constituent of two phase fluid by sensing dielectric constant	[NASA-CASE-XNP-02251] c12 N71-20896
[NASA-CASE-MFS-21629] C14 N72-2	CARBAZOLES
Circuit with differential amplifier for	Method of producing output voltage from photovoltaic cell using poly-N-vinyl carbazole
synthesizing capacitance multiplier with	complexed with iodine
microminiaturized feedback components '[NASA-CASE-NPO-11948-1] c10 N73-	[NASA-CASE-NPO-10373]
CAPACITANCE SWITCHES	Decontamination of petroleum products with honey
Electric discharge apparatus for	I NASA-CASE-XNP-03835] c06 N71-23499
electrohydraulic explosive forming [NASA-CASE-XMF-00375] c15 N70-3	CARBON ARCS
Extra-long monostable multivibrator employing	Water cooled contactors for holding rotating carbon arc anode
bistable semiconductor switch to allow	[NASA-CASE-XMS-03700] c15 N69-24266
Charging of timing circuit [NASA-CASE-XGS-00381] c09 N70-3	CARBON COMPOUNDS
Feedback integrating circuit with grounded	Tapor deposited idminated hittingssilicon
capacitor for signal processing	coating for corrosion prevention of carbonaceous surfaces
[NASA-CASE-XAC-10607] c10 N71-2	669 [NASA-CASE-XLA-00284] c15 N71-16075
Temperature sensitive capacitor device for	CARBON DIOXIDE
detecting very low intensity infrared radia	Carbon dioxide purqe systems to prevent condensation in spaces between cryogenic fuel
[NASA-CASE-XNP-09750] c14 N69-3	937 tanks and hypersonic vehicle skin
Energy source with tantalum capacitors in parallel and miniature silver oxide button	[NASA-CASE-XLA-01967] c31 N70-42015
cells for initiating pyrotechnic devices on	Catalyst cartridge for use in carbon dioxide reduction system utilizing Bosch catalytic
spacecraft and rocket vehicles	reaction
[NASA-CASE-LAR-10367-1] c03 N70-2 Electrical power system for space flight	
vehicles operating over extended periods	Fast response miniature carbon dioxide detector with no moving parts for measuring
INASA-CASE-XMF-005171 cos N70-3	
Capacitor for measuring density of compressib fluid in liquid, gas, or liquid and gas pha	e [NASA-CASE-MSC-13332-1] c14 N72-21408
I NASA+CASE-XI.E-00 1431 618 N70-3	es CARBON DIOXIDE LASERS
Capacitor sandwich structure containing metal	618 Repetitively pulsed wavelength selective carbon dioxide laser
sheets of known thickness for counting	[NASA-CASE-ERC-10178] C16 N71-24832
penetration rates of meteoroids [NASA-CASE-XLE-01246] c14 N71-1	Performance of ac power supply developed for CO2
Capacitor fabrication by solidifying mixture	£
ierromagnetic metal particles.	CARBONATES
nonferromagnetic particles, and dielectric material	Chemical and physical properties of synthetic
[NASA-CASE-LEW-10364-1] CO9 N71-1	polyurethane polymer prepared by reacting
Mechanism for measuring nanosecond time	The order of the order of the order
differences between luminous events using	[NASA-CASE-MFS-10512] c06 N73-30099
streak camera	Camboxit GROOF
(NASA-CASE-XLA-01987)	Carboxyl terminated polyester prepolymers and
[NASA-CASE-XLA-01987] c23 N71-2 Circuit for monitoring power supply by ripple	Carboxyl terminated polyester prepolymers and foams produced from prepolymers and materials
Circuit for monitoring power supply by ripple current indication	Carboxyl terminated polyester prepolymers and foams produced from prepolymers and materials [NASA-CASE-NPO-10596] c06 N71-25929 CARBOXYLIC ACIDS
Circuit for monitoring power supply by ripple current indication [NASA-CASE-KSC-10162]	Carboxyl terminated polyester prepolymers and foams produced from prepolymers and materials [NASA-CASE-NPO-10596] c06 N71-25929 CARBOXYLIC ACIDS Stable polyimide synthesis from mixtures of
Circuit for monitoring power supply by ripple current indication [NASA-CASE-KSC-10162] c09 N72-1 Thermodielectric radiometer using polymer file as capacitor	Carboxyl terminated polyester prepolymers and foams produced from prepolymers and materials [NASA-CASE-NPO-10596] c06 N71-25929 CARBOXYLIC ACIDS Stable polyimide synthesis from mixtures of monomeric diamines and polycarboxylic acid
Circuit for monitoring power supply by ripple current indication [NASA-CASE-KSC-10162] c09 N72-1 Thermodielectric radiometer using polymer file	Carboxyl terminated polyester prepolymers and foams produced from prepolymers and materials [NASA-CASE-NPO-10596] c06 N71-25929 CARBOXYLIC ACIDS Stable polyimide synthesis from mixtures of monomeric diamines and polycarboxylic acid esters

CATHODES SUBJECT INDEX

Fluorinated esters of polycarboxylic acid and	CASSEGRAIN ANTENNAS
lubricating compositions for use at extreme temperature	Cassegrain antenna subreflector flange for suppressing ground noise and increasing
[NASA-CASE-MPS-21040-1] CO6 N73-30098	antenna transmitting efficiency [NASA-CASE-XNP-00683] c09 N70-35425
Spectrophotofluorometer with 3-dimensional	Design and operation of multi-feed cone
display to identify fluorescence spectra of carcinogenic and noncarcinogenic hydrocarbons	Cassegrain antenna [NASA-CASE-NPO-10539] c07 N71-11285
[NASA-CASE-XGS-01231] C14 N70-41676	Synchronous detection system for detecting weak
CARDIOGRAPHY Digital cardiotachometer incorporating circuit	radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723
for measuring heartbeat rate of subject over	Low loss dichroic plate for passing radiation within selected frequency band for Cassegrain
predetermined portion of one minute also converting rate to beats per minute	antenna feed
[NASA-CASE-XMS-02399] CO5 N71-22896	[NASA-CASE-NPO-13171-1] c07 N73-12150 Dual frequency feed systems for Cassegrainian
CARDIOLOGY Development of instantaneous reading tachometer	antennas
for measuring electrocardiogram signal rate	[NASA-CASE-NPO-13091-1] c09 N73-12214 CASTING
CARDIOTACHOMETERS	Hydraulic apparatus for casting and molding of
Cardiotachometer for instantaneous heart rate measurement	liquid polymers [NASA-CASE-XNP-07659] c06 N71-22975
[NASA-CASE-MFS-20284] c05 N72-22098	CATALYSIS
CARDIOVASCULAR SYSTEM Conditioning suit for normal function of	Unit for generating thrust from catalytic decomposition of hydrogen peroxide, for high
astronaut cardiovascular system in gravity	altitude aircraft or spacecraft reaction control
environment [NASA-CASE-XLA-02898] c05 N71-20268	[NASA-CASE-XMS-00583] c28 N70-38504 Catalyst cartridge for use in carbon dioxide
Ear oximeter for monitoring blood oxygenation	reduction system utilizing Bosch catalytic reaction
and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers	[NASA-CASE-LAR-10551-1] c06 N72-21099
[NASA-CASE-XAC-05422] CO4 N71-23185	CATALYSTS Catalyst for increased growth of boron carbide
CARRIER FREQUENCIES Demodulator for simultaneous demodulation of two	crystal whiskers
modulating ac signal carriers close in frequency	[NASA-CASE-XHQ-03903] c15 N69-21922 Catalyst bed element removing tool
Carrier-type transducer with carrier modulation	[NASA-CASE-XFR-00811] c15 N70-36901
[NASA-CASE-NUC-10107-1] c09 N72-21254 Automatic carrier acquisition system for phase	Catalyst bed ignition system for hydrazine propellants
locked loop receiver	[NASA-CASE-XNP-00876] C28 N7C-41311
[NASA-CASE-NPO-11628-1] c07 N73-30113	Development of device for detecting hydrogen in ambient environments
Variable frequency subcarrier oscillator with	[NASA-CASE-MFS-11537] C14 N71-20442
temperature compensation [NASA-CASE-XNP-03916] c09 N71-28810	CATHETERIZATION Transducer circuit design with single coaxial
Phase modulation of tone and binary signals on	cable for input and output connections including incorporation into miniaturized
carrier waves in communication systems [NASA-CASE-GSC-11743-1] c07 N73-27107	catheter transducer
CABRIBRS	[NASA-CASE-ARC-10132-1] c09 N71-24597
Sealed storage container for channel carriers with mounted miniature electronic components	CATHODE RAY TUBES Cathode ray oscilloscope for analyzing
[NASA-CASE-MFS-20075] CO9 N71-26133	electrical waveforms representing amplitude distribution of time function
CARTESIAN COORDINATES Design and development of random function tracer	[NASA-CASE-XNP-01383] CO9 N71-10659
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[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NP0-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XIA-09843] c15 N72-27485 Control circuit for nuclear thermionic converter power source for spacecraft
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NP0-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed	at high Q values with reduced sensitivity to gain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft
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[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive
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[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526
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[NASA-CASE-NPO-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20408] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIBCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIBCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XG-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker	at high O values with reduced sensitivity to gain amplification and number of passive components [NASA-CASE-ARC-10042-2]
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20408] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-XMF-01599] c09 N71-20705
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIBCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-XMF-01599] c09 N71-20705
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NFO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with	at high Q values with reduced sensitivity to gain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-KIA-09843] c15 N72-27485 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-NGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NFO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with	at high Q values with reduced sensitivity to gain amplification and number of passive components [NASA-CASE-ARC-10042-2]
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIBCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-MPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-KSC-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-MSC-12033-1] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-MSK-00913] c10 N71-23543
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NFO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XIA-09843] c15 N72-27485 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-MSC-10199] Power supply with overload protection for series stage transistor [NASA-CASE-XHS-00913] c10 N71-23543 Selective plating of etched circuits without
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NFS-11919-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XNS-03381]	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-KIA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-XHF-01599] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-XMS-00913] c10 N71-23543 Selective plating of etched circuits without removing previous plating
[NASA-CASE-NPO-10034] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-MFS-21919-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-NFS-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XKS-03381] c09 N71-22796 Electrical circuit selection device for	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-09981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-MSF-1599] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-MSF-00913] c10 N71-23543 Selective plating of etched circuits without removing previous plating [NASA-CASE-KGS-03120] c15 N71-24047
[NASA-CASE-XNP-05082] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NFO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XKS-03381] c09 N71-22796 Electrical circuit selection device for simulating stage separation of flight vehicle	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XIA-09843] c15 N72-27485 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-MSC-01939] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-XHC-00913] c10 N71-23543 Selective plating of etched circuits without removing previous plating [NASA-CASE-XGS-03120] c15 N71-24047 Circuit design for failure sensing and
Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNPO-2251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XNS-0381] c09 N71-22796 Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-NSS-04631] c10 N71-23663	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XIA-09843] c15 N72-27485 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-XGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-MSC-01939] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-XHC-00913] c10 N71-23543 Selective plating of etched circuits without removing previous plating [NASA-CASE-XGS-03120] c15 N71-24047 Circuit design for failure sensing and
[NASA-CASE-NPO-10034] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-MFS-21919-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-NFS-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XKS-03381] c09 N71-22796 Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-XKS-04631] c10 N71-23663 Electromagnetic braking arrangement for	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2] c10 N72-11256 Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-KIA-09843] c15 N72-27#85 Control circuit for nuclear thermionic converter power source for spacecraft [NASA-CASE-WPO-13114-1] c22 N73-13656 CIRCUIT PROTECTION Use of silicon controlled rectifier shorting circuit to protect thermoelectric generator source from thermal destruction [NASA-CASE-KGS-04808] c03 N69-25146 Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-KAC-08981] c09 N69-39897 Development of in-line fuse device for protection of electric circuits from excessive currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526 Overcurrent protecting circuit for push-pull transistor amplifiers [NASA-CASE-MSC-12033-1] c09 N71-13531 Solder coating process for printed copper circuit protection [NASA-CASE-XHF-01599] c09 N71-20705 Power supply with overload protection for series stage transistor [NASA-CASE-XHS-00913] c10 N71-23543 Selective plating of etched circuits without removing previous plating [NASA-CASE-KGS-03120] c15 N71-24047 Circuit design for failure sensing and protecting low voltage electric generator and
[NASA-CASE-NPO-10034] c15 N70-41960 Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-MFS-21919-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-NFS-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNP-02251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XKS-03381] c09 N71-22796 Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-XKS-04631] c10 N71-23663 Electromagnetic braking arrangement for	at high O values with reduced sensitivity to gain amplification and number of passive components [NASA-CASE-ARC-10042-2]
Electrical spot terminal assembly for printed circuit boards [NASA-CASE-NPO-10034] c15 N71-17685 Development and characteristics of polyimide imprequated laminates with fiberglass cloth backing for application as printed circuit broads [NASA-CASE-MFS-20468] c18 N73-12604 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Techniques for packaging and mounting printed circuit boards [NASA-CASE-MFS-21919-1] c10 N73-25243 Viscoelastic shock absorbing mount for electrical circuit board [NASA-CASE-NPO-13253-1] c15 N73-31445 CIRCUIT BREAKERS Transistorized current-limiting voltage regulator for use between unregulated voltage source and load [NASA-CASE-MSC-11824-1] c09 N70-35574 Interrupter switching device utilizing electrodes and mercury filled capillary tubes in which current flow vaporizes mercury as circuit breaker [NASA-CASE-XNPO-2251] c12 N71-20896 Single electrical circuit component combining diode, fuse, and blown indicator with elongated tube of heat resistant transparent material [NASA-CASE-XNS-0381] c09 N71-22796 Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-NSS-04631] c10 N71-23663	at high Q values with reduced sensitivity to qain amplification and number of passive components [NASA-CASE-ARC-10042-2]

Sensing circuit for instantaneous reaction to power overloads	[NASA-CASE-XMF-00462] CIRCULAR CYLINDERS	c14 N70-34298
(NASA-CASE-GSC-10667-1] c10 N71-33129	Modulating and controlling inter	sity of light
Current protection equipment for saturable core transformers	beam from high temperature sou	irce by
[NASA-CASE-ERC-10075-2] c09 N72-22196	servocontrolled rotating cyling [NASA-CASE-XMS-04300]	ders c09 N71-19479
Development of process for forming insulating	CIRCULAR POLARIZATION	COS N/1-194/5
layer between two electrical conductor or semiconductor materials	Left and right hand circular ele	ctromagnetic
[NASA-CASE-LEW-10489-1] c15 N72-25447	polarization excitation by pha	se shifter and
Overvoltage protection network for electrical	hybrid networks [NASA-CASE-GSC-10021-1]	c09 N71-24595
equipment	Planar array circularly polarize	ed antenna with
[NASA-CASE-ARC-10197-1] c09 N73-29124 CIRCUITS	wall slot excitation	
Distribution of currents to circuits using	[NASA-CASE-NPO-10301] Circularly polarized antenna wit	c07 N72-11148
electrical adaptor	polarized pair of elements	n linearly
[NASA-CASE-XLA-01288] c09 N69-21470	[NASA-CASE-ERC-10214]	c09 N72-31235
Nondestructive interrogating and state changing circuit for binary magnetic storage elements	CIRCULAR TUBES	
[NASA-CASE-XGS-00174] c08 N70-34743	Process for molding long thin-wa bodies from thermosetting plas	tic molding
Electronic circuit system for controlling	compounds	cto moraring
electric motor speed [NASA-CASE-XMF-01129] c09 N70-38712	[NASA-CASE-LAR-10782-1]	c15 N72-21487
Starting circuit design for initiating and	CIRCULATORS (PHASE SHIFT CIRCUITS) Development of electromagnetic w	
maintaining arcs in vapor lamps	line circulator and application	n to parametric
[NASA-CASE-XNP-01058] c09 N71-12540	amplifier circuits	n to parametric
Voltage drift compensation circuit for analog-to-digital converter	[NASA-CASE-XNP-02140]	c09 N71-23097
[NASA-CASE-XNP-04780] COS N71-19687	CLADDING Two step process for cladding nu	clear fuele with
High voltage divider system for attenuating high	tungsten	CIEGI IUEIS With
<pre>voltages to convenient levels suitable for introduction to measuring circuits</pre>	[NASA-CASE-XNP-03704]	c15 N71-17695
[NASA+CASE-XLE-02008] c09 N71-21583	CLAMPING CIRCUITS	
Negation of magnetic fields produced by thin	Clamped amplifier circuit for ho enabling amplification and acc	rizon scanner
waferlike circuit elements in space vehicles	measurement of specified param	eters
[NASA-CASE-XGS-03390] c03 N71-23187 Circuits for controlling reversible dc motor	[NASA-CASE-XGS-01784]	c10 N71-20782
[NASA-CASE-XNP-07477] c09 N71-26092	CLAMPS Portable device for aligning sur	faces of two
Device for rapid adjustment and maintenance of	adjacent wall or sheet section	s for joining at
temperature in electronic components [NASA-CASE-XNP-02792] c14 N71-28958	point of junction	,
Pulse generating circuit for operation at very	[NASA-CASE-XMF-01452]	c15 N70-41371
high duty cycles and repetition rates	Hydraulic clamping of sheet stoc [NASA-CASE-XLA-05100]	K specimens c15 N71-17696
[NASA-CASE-XNP-00745] c10 N71-28960	Inertial component clamping asse	mbly design for
Development of electric circuit for production of different pulse width signals	spacecraft quidance and contro	l system mounting
[NASA-CASE-XLA-07788] c09 N71-29139	[NASA-CASE-XMS-02184]	c15 N71-20813
Sensing circuit for instantaneous reaction to	Design and development of module device for application to sola	Torut cramping
power overloads [NASA-CASE-GSC-10667-1] c10 N71-33129	construction	,
[NASA-CASE-GSC-10667-1] c10 N71-33129 Electronic signal-handling circuit with constant	[NASA-CASE-XNP-02341]	c15 N71-21531
input impedance	Quick attach mechanism for movin- wires, ropes, or cables	q or stationary
[NASA-CASE-ARC-10348-1] c10 N72-10205	[NASA-CASE-XFR-05421]	c15 N71-22994
Pulsed excitation voltage circuit for strain gage bridge transducers	CLAYS	
[NASA-CASE-FRC-10036] c09 N72-22200	White paint production by heating aluminum silicate clay having	q impure
Development of thermal to electric power	absorptance	IOW SOLAL
conversion system using solid state switches	[NASA-CASE-XNP-02139]	c18 N71-24184
of electrical currents to load for Seebeck effect compensation	CLEAN ROOMS	
[NASA-CASE-NPO-11388] c03 N72-23048	Environmentally controlled suit a sterile chamber	for working in
Inductive-capacitive loops as load insensitive	[NASA-CASE-LAR-10076-1]	c05 N73-20137
power converters [NASA-CASE-ERC-10268] c09 N72-25252	CLEANERS	
Fail-safe multiple transformer circuit	Device for back purging thrust en [NASA-CASE-XMS-04826]	
configuration	Noncontaminating swab with absorb	c28 N71-28849
[NASA-CASE-NPO-11078] c09 N72-25262	with netted envelope to prevent	t egress of
Precision surface cutter for screen circuit negatives and other microcircuits	absorbent material	•
[NASA-CASE-XLA-09843] c15 N72-27485	[NASA-CASE-MFS-18100] CLEANING	c15 N72-11390
Bridge-type gain control circuit	Device for removing plastic dust	COVER from
[NASA-CASE-GSC-10786-1] c10 N72-28241	digital computer disk packs for	inspection and
Active tuned circuits for microelectronic construction	cleaning	
[NASA-CASE-GSC-11340-1] c10 N72-33230	[NASA-CASE-LAR-10590-1] CLEAR AIR TURBULENCE	c15 N70-26819
Temperature corrected circuit for gyroscope or	Development of radiometric sensor	to warn
accelerometer of digital rebalance type	aircraft pilots of region of cl	ear air
[NASA-CASE-NPO-13044-1] c14 N73-13436 Thermochromic compositions for detecting heat	turbulence along flight path	40
levels in electronic circuits and devices	[NASA-CASE-ERC-10081] Remote detection and measurement	c14 N72-28437
[NASA-CASE-NPO-10764-1] C14 N73-14428	turbulence using pulsed laser r	agar or crear arr
Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse	[NASA-CASE-MFS-21244-1]	c20 N73-21523
[NASA-CASE-LEW-11581-1] co5 N73-18139	CLIMBING PLIGHT	mal af 4:1::00
	Aircraft indicator for pilot cont roll, climbout path and verticl	e flight nath
Electrodeless lamp circuit driven by induction		
Electrodeless lamp circuit driven by induction [NASA-CASE-MFS-21214-1] c09 N73-30181	in poor visibility conditions	, pau
Electrodeless lamp circuit driven by induction	in poor visibility conditions [NASA-CASE-XLA-00487] CLINICAL MEDICINE	c14 N70-40157

	Transducer circuit design with single coaxial
systolic and diastolic blood pressure in humans [NASA-CASE-MSC-13999-1] c05 N72-25142	cable for input and output connections
Process for preparing calcium phosphate salts	including incorporation into miniaturized
for tooth repair	catheter transducer f Na Sa-Case-arc-10132-11 c09 N71-24597
[NASA-CASE-BRC-10338] c04 N72-33072	[NASA-CASE-ARC-10132-1] c09 N71-24597 Collapsible antenna boom and coaxial
Heat pipe production of high purity radioiodine	transmission line having inflatable inner tube
for thyroid measurements [NASA-CASE-LEW-11390-3] c11 N73-28128	[NASA-CASE-MFS-20068] CO7 N71-27191
Surgical liquification pump for removing	Vibration isolation system, using coaxial
macerated tissue from eye .	helical compression springs
[NASA-CASE-LEW-12051-1] c04 N73-32000	[NASA-CASE-NPO-11012] c15 N72-11391 Development and characteristics of hermetically
CLOCKS	sealed coaxial package for containing
Time synchronization system for synchronizing clocks at remote locations with master clock	microwave semiconductor components
using moon reflected coded signals	[NASA-CASE-GSC-10791-1] c15 N73-14469
rnasa-case-npo-101431 c10 n71-26326	Phase delay control system for stabilizing
Circuit for measuring wide range of pulse rates	signals passing through coaxial cables [NASA-CASE-NPO-13138-1] c09 N73-20238
by utilizing high capacity counter	Coaxial anode for gas radiation counter for
[NASA-CASE-XNP-06234] c10 N71-27137 Fault-tolerant clock apparatus for use in	suppressing background ionization interference
digital logic systems which maintains output	[NASA-CASE-GSC-11492-1] c14 N73-28497
pulses during component failure	COBALT ALLOYS
[NASA-CASE-MSC-12531-1] c14 N73-22386	High strength, corrosion resistant cobalt-based allows for aerospace structures
CLOSED CIRCUIT TELEVISION	[NASA-CASE-XLE-00726] C17 N71-15644
Development of spacecraft docking system for optical alignment of spacecraft using	High temperature cobalt-base alloy resistant to
television camera system	corrosion by liquid metals and to sublimation
[NASA-CASE-MSC-12559-1] c31 N73-26879	in vacuum environment rwasa-case-xle-029911 c17 N71-16025
CLOSED CYCLES	[NASA-CASE-XLE-02991] c1.7 N71-16025 High temperature ferromagnetic cobalt-base alloy
Closed loop radio communication ranging system to determine distance between moving airborne	for electrical power generating equipment
vehicle and fixed ground station	(NASA-CASE-XLE-03629] c17 N71-23248
[NASA-CASE-XNP-01501] c21 N70-41930	Cobalt-tungsten alloys with superior strength at
Digital phase-locked loop for accumulator output	elevated temperatures [NASA-CASE-LEW-10436-1] C17 N73-32415
signal phase-locked to input signal	[NASA-CASE-LEW-10436-1] C17 N73-32415 COCKPIT SIMULATORS
[NASA-CASE-GSC-11623-1] c10 N73-31202	Controlled visibility device for simulating poor
CLOSED ECOLOGICAL SYSTEMS Potable water reclamation from human wastes in	visibility conditions in training pilots in
zero-G environment	instrument landing and flight procedures
[NASA-CASE-XLA-03213] c05 N71-11207	[NASA-CASE-XFR-04147] c11 N71-10748
Spacecraft with artificial gravity and earthlike	CODERS Design and development of encoder/decoder system
atmosphere [NASA-CASE-LEW-11101-1] c31 N73-32750	to generate binary code which is function of
CLOSURES	outputs of plurality of bistable elements
Design and characteristics of device for closing	[NASA-CASE-NPO-10342] c10 N71-33407
canisters under high vacuum conditions	Biorthogonal encoder with modular design [NASA-CASE-NPO-10629] CO8 N72-18184
[NASA-CASE-XLA-01446] c15 N71-21528	CODING
CLOUDS (METEOROLOGY) Monitor for electric fields of cloud formations	Description of error correcting methods for use
in particular area	with digital data computers and apparatus for
f NASA-CASE-KSC-10731-1] c14 N73-10461	encoding and decoding digital data [NASA-CASE-XNP-02748] C08 N71-22749
Development and characteristics of apparatus for	[NASA-CASE-XNP-02748] c08 N71-22749 Binary concatenated coding system to measure,
measuring intensity of electric field in	count, and record numerical information using
atmosphere [NASA-CASE-KSC-10730-1] c14 N73-32318	minimized number of digits
COATING	[NASA-CASE-MSC-14082-1] c08 N73-16163
Solder coating process for printed copper	Apparatus and digital technique for coding rate
circuit protection [NASA-CASE-XMF-01599]	data [NASA-CASE-LAR-10128-1]
[NASA-CASE-XMF-01599] C09 N71-20705 High thermal emittance black surface coatings	COENZYMES
and process for applying to metal and metal	Bioassay of flavin coenzymes
alloy surfaces used in radiative cooling of	[NASA-CASE-GSC-10565-1] c06 N72-25149
spacecraft	COHERENT ELECTROMAGNETIC RADIATION Design of folded traveling wave maser structure
[NASA-CASE-XLA-06199] c15 N71-24875	(NASA-CASE-XNP-05219] c16 N71-15550
CONTINGS Bonded solid lubricant coatings of calcium	Development of focused image holography with
fluoride and binder for high temperature	extended sources
stability	[NASA-CASE-ERC-10019] c16 N71-15551
[NASA-CASE-XMS-00259] c18 N70-36400	COHERENT LIGHT Hybrid holographic system using reference,
Nonflammable coatings of synthetic mica and silicate gelant solution mixed with latex	transmitted, and reflected beams simultaneously
paint for use in liquid oxygen or high oxygen	[NASA-CASE-MFS-20074] c16 N71-15565
gaseous atmospheres	Development of apparatus for amplitude
[NASA-CASE-MFS-20486] c18 N72-21557	<pre>modulation of diode laser by periodic discharge of direct current power supply</pre>
Improved silicide coatings for refractory metals	[NASA-CASE-XMS-04269] c16 N71-22895
employed in space shuttles and gas turbine engine components	Coherent light beam device and method for
f NASA-CASE-LEW-11179+11 c17 N73-22474	measuring gas density in vacuum chambers
Contrast color coating for meteoroid impact	[NASA-CASE-XER-11203] c14 N71-28994
position locator for space vehicles	COHERENT RADIATION Method and apparatus for producing intense,
[NASA-CASE-LAR-10629-1] c14 N73-32348	coherent, monochromatic light from low
COMMIAL CABLES Design and development of device for cooling	temperature plasma
to the second of cable	
inner conductor of coaxial cable	[NASA-CASE-XNP-04167-3]
[NASA-CASE-XNP-09775] C09 N71-20445	Design and development of multichannel laser
[NASA-CASE-XNP-09775] c09 N71-20445 Design and development of electric connectors	
[NASA-CASE-XNP-09775] C09 N71-20445 Design and development of electric connectors for rigid and semirigid coaxial cables	Design and development of multichannel laser remote control system using modulated helium-neon laser as transmitter and light collector as receiving antenna
[NASA-CASE-XNP-09775] c09 N71-20445 Design and development of electric connectors for rigid and semiriqid coaxial cables [NASA-CASE-XNP-04732] c09 N71-20851	Design and development of multichannel laser remote control system using modulated helium-neon laser as transmitter and light

COINCIDENCE CIRCUITS	[NASA-CASE-ERC-10098] c09 N71-28618
Operation of two dimensional, word oriented,	Color television system for allowing monochrome
coincident current, magnetic core memory with	television camera to produce color pictures
reduced bit switching current and increased	[NASA-CASE-MSC-12146-1] c07 N72-17109
word switching current for lower power	Video tape recorder with scan conversion
dissipation	playback for color television signals
[NASA-CASE-ERC-10166] c08 N70-22136	[NASA-CASE-NPO-10166-1] c07 N73-22076
COLD CATHODES	COLOR VISION
Cold cathode discharge tube with pressurized gas	Color perception tester for testing color code
cell for meteoroid detection in space	perceptiveness of individuals
[NASA-CASE-LAR-10483-1] c14 N73-32327	[NASA-CASE-KSC-10278] c05 N72-16015
COLD WORKING	COLORIMETRY
Cold metal hydroforming techniques using epoxy	Specific wavelength colorimeter for measuring
molds for counteracting creep or stretch	given solute concentration in test sample
[NASA-CASE-XLE-05641-1] c15 N71-26346	[NASA-CASE-MSC-14081-1] c14 N73-18443
COLLAPSE Collapsible mister for bronzelenite and	COLUMNS (PROCESS ENGINEERING)
Collapsible piston for hypervelocity qun [NASA-CASE-MSC-13789-1] c11 N73-32152	Micropacked column for rapid chromatographic
[NASA-CASE-MSC-13789-1] c11 N73-32152	analysis using low gas flow rates
Automatic liquid collection and disposal system	[NASA-CASE-XNP-04816] c06 N69-39936
[NASA-CASE-LAR-11071-1] c15 N73-18474	COMBINATORIAL ANALYSIS
COLLINATION C15 N/5-184/4	Apparatus for computing square roots
Measurement of relative azimuth bearing using	[NASA-CASE-XGS-04768] CO8 N71-19437
laser source for projecting collimated beam	Device for detection of combustion light
[NASA-CASE-GSC-11262-1] c16 N72-21503	preceding qaseous explosions
COLLIMATORS	[NASA-CASE-LAR-10739-1] c14 N73-16484
X ray collimating structure for focusing	COMBUSTION CHAMBERS
radiation directly onto detector	Rocket chamber leak test fixture using tubular
[NASA-CASE-XHQ-04106] c14 N70-40240	plug
Focusing optical collimator for high resolution	[NASA-CASE-XFR-09479] c14 N69-27503
scanning of electromagnetic radiations,	Propellant injectors for rocket combustion
neutrons, and other particles	chambers
[NASA-CASE-MFS-20932-1] c14 N73-27380	[NASA-CASE-XLE-00103] c28 N70-33241
Collimator for analyzing spatial location of	Metal ribbon wrapped outer wall for
near and distant sources of radiation	regeneratively cooled combustion chamber
[NASA-CASE-MFS-20546-2] c14 N73-30389	[NASA-CASE-XLE-00164] c15 N70-36411
COLLISION AVOIDANCE	Apparatus for cooling and injecting hypergolic
Cooperative Doppler radar system for avoiding	propellants into combustion chamber of small
midair collisions [NASA-CASE-LAR-10403] c21 N71-11766	rocket engine
[NASA-CASE-LAR-10403] c21 N71-11766 Satellite aided aircraft collision avoidance	[NASA-CASE-XLE-00303] c15 N70-36535
system effective for large number of aircraft	Ignition system for monopropellant combustion
[NASA-CASE-ERC-10090] c21 N71-24948	devices
Vertically stacked collinear array of	[NASA-CASE-XNP-00249] c28 N70-38249
independently fed omnidirectional antennas for	Fabrication method for lightweight regeneratively cooled combustion chamber of
use in collision warning systems on commercial	channel construction
aircraft	F 33 GB
[NASA-CASE-LAR-10545-1] c09 N72-21244	[NASA-CASE-XLE-00150] c28 N70-41818 Rocket combustion chamber stability by
Economical satellite aided vehicle avoidance	controlling transverse instability during
system for preventing midair collisions	propellant combustion
[NASA-CASE-ERC-10419] c21 N72-21631	[NASA-CASE-XLE-04603] c33 N71-21507
Development and operating principles of	Regenerative cooling system for rocket
collision warning system for aircraft accident	combustion chamber using coolant tubes in
prevention	convergent-divergent nozzle
[NASA-CASE-HQN-10703] c21 N73-13643	[NASA-CASE-XLE-04857] c28 N71-23968
Development and characteristics of electronic	Rocket engine injector orifice to accommodate
signalling system and data processing	changes in density, velocity, and pressure,
equipment for warning systems to avoid midair collisions between aircraft	thereby maintaining constant mass flow rate of
[NASA-CASE-LAR-10717-1] c21 N73-30641	propellant into rocket combustion chamber
COLLOIDAL GENERATORS	[NASA-CASE-XLE-03157] c28 N71-24736
Colloidal particle generator for electrostatic	Coaxial injector for mixing liquid propellants
engine for propelling space vehicles	within combustion chambers [NASA-CASE-NPO-11095] c15 N72-25455
[NASA-CASE-XLE-00817] c28 N70-33265	I NASA-CASE-NPO-11095] c15 N72-25455 Transpiration-cooled rocket chamber formed of
COLLOIDAL PROPELLANTS	porous metal wall
Colloidal particle generator for electrostatic	[NASA-CASE-LEW-11118-1] c15 N72-32501
engine for propelling space vehicles	Airflow distribution control in gas turbine
[NASA-CASE-XLE-00817] c28 N70-33265	engines
Low density and low viscosity magnetic	[NASA-CASE-LEW-11593-1] c28 N73-25816
propellant for use under zero gravity conditions	Swirl can, full-annulus combustion chambers for
[NASA-CASE-XLE-01512] c12 N70-40124	high performance gas turbine engines
Electrostatic microthrust propulsion system with	[NASA-CASE-LEW-11326-1] C23 N73-30665
annular slit colloid thrustor	COMBUSTION CONTROL
[NASA-CASE-GSC-10709-1] c28 N71-25213	Pressurized gas injection for burning rate
COLOR	control of solid propellants
Chemical spot test for identifying magnesium or	[NASA-CASE-XLE-03494] c27 N71-21819
magnesium alloys used in aerospace applications	Solid propellant rocket motor with igniter
[NASA-CASE-LAR-10953-1] c17 N73-27446 Contrast color coating for meteoroid impact	operating in vacuum and sustaining burning of
position locator for space vehicles	propellant below normal combustion limit
	[NASA-CASE-NPO-11559] c28 N71-34949
[NASA-CASE-LAR+10629-1] c14 N73-32348	COMBUSTION EFFICIENCY
Color photointerpretation of interference colors	Fuel injection system for maximum combustion
reflected from thin film oil-coated components	efficiency of rocket engines
in moving gases for gas flow visualization	[NASA-CASE-XLE-00111] c28 N70-38199 Utilization of inorganic metal-oxidizer
[NASA-CASE-XMF-01779] c12 N71-20815	materials in solid rocket propellants
COLOR TELEVISION	resulting in increased combustion officiency
Color television system utilizing single gun.	- [NASA-CASE-NPO-14975-4-] 17802
current sensitive color cathode ray tube	

SUBJECT INDEX COMBUSTION PHYSICS

COMBUSTION PHYSICS	Commutator for steering precisely controlled
Characteristics of solid propellant rocket	bidirectional currents through numerous loads
engine with controlled rate of thrust buildup	by use of magnetic core shift registers
operating in vacuum environment	[NASA-CASE-NPO-10743] CO8 N72-21199
[NASA-CASE-NPO-11559] c28 N73-24784	COMPARATOR CIRCUITS Describing frequency discriminator using digital
COMBUSTION PRODUCTS Contamination free separation nut eliminating	logic circuits and supplying single binary
combustion products from ambient surroundings	output signal
qenerated by squib firing	[NASA-CASE-MFS-14322] CO8 N71-18692
[NASA-CASE-XGS-01971] c15 N71-15922	Development of pulsed differential comparator
Device for generating and controlling combustion	circuit [NASA-CASE-XLE-03804]
products for testing of fire detection system	[NASA-CASE-XLE-03804] c10 N71-19471 COMPABATORS
[NASA-CASE-GSC-11095-1] c14 N72-10375	Photometric flow meter with comparator reference
Rocket combustion chamber stability by	means
controlling transverse instability during	[NASA-CASE-XGS-01331] c14 N71-22996
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[NASA-CASE-XLE-04603] c33 N71-21507	comparison of binary numbers in information
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command module [NASA-CASE-MSC-12279] c15 N72-17450	Star image motion compensator using telescope
COMMUNICATING	for maintaining fixed images
Communication between computers using two	[NASA-CASE-LAR-10523-1] c14 N72-22444
identical communications links	COMPOSITE MATERIALS
[NASA-CASE-NPO-11161] CG8 N72-25207	High strength reinforced metallic composites for applications over wide temperature range
COMMUNICATION Circuitry for developing autocorrelation	[NASA-CASE-XLE-02428] c17 N70-33288
function continuously within signal receiving	Method for producing fiber reinforced metallic
period	composites with high strength and elasticity
[NASA-CASE-XNP-00746] CO7 N71-21476	over wide temperature range
Superconductive resonant cavity for improved	[NASA-CASE-XLE-00231] c17 N70-38198
signal to noise ratio in communication signal	Composites reinforced with short metal fibers or whiskers and having high tensile strength
[NASA-CASE-MSC-12259-2] cC7 N72-33146	[NASA-CASE-XLE-00228] c17 N70-38490
COMMUNICATION CABLES Method of making molded electric connector for	Unfired-ceramic, highly reflective composite
use with flat conductor cables	insulation for large launch vehicles
[NASA-CASE-XMF-03498] c15 N71-15986	[NASA-CASE-XMF-01030] c18 N70-41583
Process for making RF shielded cable connector	Freeze casting of metal ceramic and refractory
assemblies and resulting structures	compound powders into plastic slips
[NASA-CASE-GSC-11215-1] c09 N73-28083	[NASA-CASE-XLE-00106] c15 N71-16076
COMMUNICATION EQUIPMENT	Preparation and characteristics of lightweight refractory insulation
Multiplexed communication system design	[NASA-CASE-XMF-05279] c18 N71-16124
including automatic correction of transmission errors introduced by frequency spectrum shifts	Flexible composite membrane structure impervious
[NASA-CASE-XNP-01306] C07 N71-20814	to extremely reactive chemicals in rocket
Binary data decoding device for use at receiving	propellants
end of communication channel	[NASA-CASE-XNP-08837] c18 N71-16210
[NASA-CASE-NPO-10118] CO7 N71-24741	Cryostat for flexure fatique testing of composite materials
Development of communication system for	[NASA-CASE-XMF-02964] c14 N71-17659
transmitting differential phase shift keyed signals from input data bits without timing or	Description of method for producing metallic
phase reference signals	composites reinforced with ceramic and
[NASA-CASE-MSC-14065-1] c07 N73-10215	refractory hard metals that are fibered in place
Design and development of closed-loop, digital	[NASA-CASE-XLE-03925] c18 N71-22894
data communication system using optimum number	Electrically coupled individually encapsulated
of interconnecting wires [NASA-CASE-MSC-13912-1] c07 N73-12151	solar cell matrix [NASA-CASE-NPO-11190] c03 N71-34044
[NASA-CASE-MSC-13912-1] c07 N73-12151 Characteristics of data-aided carrier tracking	Diffusion bonded graphite reinforced aluminum
loop used for tracking carrier in angle	composites
modulated communications system	[NASA-CASE-MFS-21077] c18 N71-34502
[NASA-CASE-NPO-11282] c10 N73-16205	Heat treatment and tooling for forming shapes
Doppler compensated communication system for	from thermosetting honeycomb core sheets [NASA-CASE-NPO-11036] c15 N72-24522
locating supersonic transport position [NASA-CASE-GSC-10087-4] CO7 N73-20174	[NASA-CASE-NPO-11036] c15 N72-24522 Method for making fiber composites with high
[NASA-CASE-GSC-10087-4] COT N73-20174 COMMUNICATION SATELLITES	strength at high temperatures
Erectable, inflatable, radio signal reflecting	[NASA-CASE-LEW-10424-2-2] c18 N72-25539
passive communication satellite	Development of procedure for repairing
[NASA-CASE-XLA-00210] C30 N70-40309	fiberglass structures which retains geometry
Development of antenna system for spin	and strength of original structure
stabilized communication satellite for	[NASA-CASE-LAR-10416-1] c15 N72-27527 Development of thermal compensating structure
simultaneous reception and transmission of data [NASA-CASE-XGS-02607] c31 N71-23009	which maintains uniform length with changes in
Elimination of tracking occultation problems	temperature
occurring during continuous monitoring of	[NASA-CASE-MFS-20433] c15 N72-28496
interplanetary missions by using Earth	Process for developing flame retardant
orbiting communications satellite	elastomeric composition textiles for use in
[NASA-CASE-XAC-06029-1] c31 N71-24813	space suits [NASA-CASE-MSC-14331-1] c18 N73-27501
Satellite radio communication system with remote steerable antenna	COMPOSITE PROPELLANTS
steerable antenna [NASA-CASE-XNP-02389] c07 N71-28900	Ammonium perchlorate composite propellant with
COMMUTATION	organic Cu/II/ chelate catalytic additive
High speed low level voltage commutating switch	[NASA-CASE-LAR-10173-1] c27 N71-14090
[NASA-CASE-XAC-00060] CO9 N70-39915	COMPOSITE STRUCTURES
COMMUTATORS	Inflatable honeycomb panel element for
Hocket-borne aspect sensor consisting of	lightweight structures usable in space stations and other construction
radiation sensor, apertured disk, commutator, and counting circuits	[NASA-CASE-XLA-00204] c32 N70-36536
[NASA-CASE-XGS-08266] c14 N69-27432	(

Shrouded composite propulsion system configuration	Binary sequence detector with few memory
[NASA-CASE-XLA-01043] c28 N71-10780 Development of composite structures for	elements and minimized logic circuit complexit
spacecraft to serve as anti-meteoroid device	[NASA-CASE-XNP-05415] c08 N71-1250
[NASA-CASE-LAR-10788-1] c31 N73-20880	Pulsed magnetic core memory element with blocking oscillator feedback for interrogation
COMPRESSED AIR	without loss of digital information
Actuator using compressed gas as driving force	[NASA-CASE-XGS-03303] COS N71-1859
to control valve handling large liquid flows [NASA-CASE-XHQ-01208] c15 N70-35409	Reliable magnetic core circuit apparatus with
COMPRESSIBLE PLUIDS	application in selection matrices for digital memories
Capacitor for measuring density of compressible	f vaca - and - and - and -
fluid in liquid, gas, or liquid and gas phases	[NASA-CASE-XNP-01318] c10 N71-2303 Time division multiplexed telemetry transmitting
[NASA-CASE-XLE-00143] c14 N70-36618	system controlled by programmed memory
Apparatus for tensile strength testing of specimen by pressurized fluid	I NASA-CASE-GSC-10131-1] c07 N71-2462
[NASA-CASE-XKS-06250] c14 N71-15600	Serial digital decoder design with square
COMPRESSING	circuit matrix and serial memory storage units
Method and apparatus for producing very low	[NASA-CASE-NPO-10150] c08 N71-2465 Digital memory system with multiple switch cores
temperature refrigeration based on gas	for driving each word location
pressure balance	[NASA-CASE-XNP-01466] C10 N71-2683
[NASA-CASE-XNP-08877] c15 N71-23025 Apparatus and method for compression molding of	Redundant memory for enhanced reliability of
thermosetting plastics	digital data processing system
[NASA-CASE-LAR-10489-1] c15 N72-21484	[NASA-CASE-GSC-10564] c10 N71-2913
COMPRESSION LOADS	Memory device employing semiconductor and ferroelectric properties of single crystal
Pressure transducer for systems for measuring	barium titanate
forces of compression	[NASA-CASE-ERC-10307] COS N72-2119
[NASA-CASE-NPO-10832] c14 N72-21405	COMPUTERIZED SIMULATION
Development of test apparatus for subjecting	Integrated time shared instrumentation display
metal specimen to tensile and compressive	for aerospace vehicle simulators
loads at constant temperature	[NASA-CASE-XLA-01952] c08 N71-1250
[NASA-CASE-LAR+10426-1] c32 N72-27947	Telemetry data unit to form multibit words for
Test equipment to prevent buckling of small	use between demodulator and computer
diameter specimens during compression tests [NASA-CASE-LAR-10446-1] c14 N73-33333	[NASA-CASE-XNP-09225] C09 N69-2433
[NASA-CASE-LAR-10446-1] c14 N73-32323 COMPRESSOR BLADES	Data compression processor for monitoring analog
Process for welding compressor and turbine	signals by sampling procedure
blades to rotors and discs of jet engines	[NASA-CASE-NPO-10068] c08 N71-19288 Computer system using adaptive voting to
[NASA-CASE-LEW-10533-1] c15 N73-28515	tolerate failure and operate in
COMPRESSORS	fail-operational, fail-safe manner
Thermal pump-compressor for converting solar energy	[NASA-CASE-MSC-13932-1]
5 W1 G1	Communication between computers using two
[NASA-CASE-XLA-00377] c33 N71-17610 Gated compressor, distortionless signal limiter	identical communications links
with plurality of channels	[NASA-CASE-NPO-11161] COS N72-25207
[NASA-CASE-NPO-11820-1] c07 N72-28166	Concave grating spectrometer for use in near and
COMPUTATION	vacuum ultraviolet regions
Apparatus for computing square roots	[NASA-CASE-XGS-01036] C14 N70-4000
[NASA-CASE-XGS-04768] CO8 N71-19437	CONCENTRATION (COMPOSITION)
Asynchronous binary array divider for	Specific wavelength colorimeter for measuring
computerized division operations	qiven solute concentration in test sample [NASA-CASE-MSC-14081-1] c14 N73-1844
[NASA-CASE-ERC-10180] c08 N7C-11132	I NASA-CASE-MSC-14081-1] C14 N73-18443 CONCENTRATORS
Computer circuit performing both counting and	Concentrator device for controlling direction of
shifting logic operations also capable of	solar energy onto energy converters
miniaturization and integration in basic circuits	[NASA-CASE-XLE-01716] c09 N70-40234
F 33 63	CONDENSATES
[NASA-CASE-XNP-01753] c08 N71-22897 COMPUTER GRAPHICS	Apparatus for determining volatile condensable
System for digitizing graphic displays	material present in polymeric products [NASA-CASE-XNP-09699] cC6 N71-24607
[NASA-CASE-NPO-10745] c08 N72-22164	Development and characteristics of device for
OMPUTER PROGRAMMING	removing condensate from heat exchangers with
Encoders designed to generate comma free	straight through gas flow
biorthogonal Reed-Muller type code comprising conversion of 64 6-bit words into 64 32-bit	[NASA-CASE-MSC-14143-1] c33 N73-32823
data for communication purposes	CONDENSERS (LIQUIFIERS)
[NASA-CASE-NPO-10595] c10 N71-25917	Condenser-separator for dehumidifying air
Computer controlled infusion pump for time	utilizing sintered metal surface [NASA-CASE-XLA-08645] c15 N69-21465
varying input of calcium into physiological	Development and characteristics of device for
systems	removing condensate from heat exchangers with
[NASA-CASE-ARC-10447-1] c05 N73-14092	straight through gas flow
Self testing and repairing computer comprising	[NASA-CASE-MSC-14143-1] c33 N73-32823
control and diagnostic unit and rollback	CONDUCTING PLUIDS
points for error correction	Multiducted electromagnetic pump for conductive liquids
[NASA-CASE-NPO-10567] c08 N71-24633	[NASA-CASE-NPO-10755] c15 N71-27084
Development of computer program for estimating	CONDUCTIVE HEAT TRANSFER
reliability of self-repair and fault-tolerant	Measuring conductive heat flow and thermal
systems with respect to selected system and mission parameters	conductivity of laminar gas stream in
[NASA-CASE-NPO-13086-1] c15 N73-12495	cylindrical plug to simulate atmospheric reentr
Development of flight simulator system to show	[NASA-CASE-XLE-00266]
position of joystick displacement	Space suit body heat exchanger design composed of thermal conductance yarn and liquid coolant
[NASA-CASE-NPO-11497] c08 N73-25206	loops
COMPUTER STORAGE DEVICES	[NASA-CASE-XMS-09571] COS N71-19430
Magnetic matrix memory system for nondestructive	CONDUCTORS
reading of information contained in matrix [NASA-CASE-XMF-05835] COR N71-12504	Support for flexible conductor cable between
	drawers or racks holding electronic equipment

and cabinet assembly housing drawers or racks	Method for locating leaks in hermetically sealed containers
[NASA-CASE-XMF-07587] C15 N/1-18/01 Ferrite memory arrays from pre-formed metal	[NASA-CASE-ERC-10045] c15 N71-24910
conductors	Quantitative liquid measurements in container by
[NASA-CASE-LAR-10994-1] c18 N73-30536	resonant frequencies [NASA-CASE-XNP-02500] c18 N71-27397
CONES Black body radiometer design with temperature	CONTAMINANTS
sensing and cavity heat source cone winding	Fluid transferring system design for purging toxic, corrosive, or noxious fluids and fumes
[NASA-CASE-XNP-09701] c14 N71-26475	from materials handling equipment for
CONFINEMENT Observation window for internal gas confining	cleansing and accident prevention
chamber	[NASA-CASE-XMS-01905] C12 N71-21089 CONTAMINATION
[NASA-CASE-NPO-10890] c11 N73-12265 CONICAL BODIES	Emission spectroscopy method for contamination
Conical valve plug for use with reactive	monitoring of inert gas metal arc welding [NASA-CASE-XMF-02039] c15 N71-15871
cryogenic fluids [NASA-CASE-VLE-00715] c15 N70-34859	[NASA-CASE-XMF-02039] c15 N71-15871 Contamination free separation nut eliminating
[NASA-CASE-XLE-00715] C15 N/O-34859 Conical reflector antenna with feed	combustion products from ambient surroundings
approximating line source	generated by squib firing [NASA-CASE-XGS-01971] c15 N71-15922
[NASA-CASE-NPO-10303] c07 N72-22127 Characteristics of microwave antenna with	Apparatus and process for volumetrically
conical reflectors to generate plane wave front	dispensing reagent quantities of volatile
[NASA-CASE-NPO-11661] c07 N73-14130	chemicals for small batch reactions [NASA-CASE-NPO-10070] c15 N71-27372
CONICAL SHELLS Capacitance measuring device for determining	Portable tester for monitoring bacterial
flare accuracy on tapered tubes	contamination by adenosine triphosphate light reaction
[NASA-CASE-XKS-03495] c14 N69-39785 Foldable, double come and parabolic reflector	[NASA-CASE-GSC-10879-1] c14 N72-25413
system for solar ray concentration	CONTINUOUS WAVE RADAR
[NASA-CASE-XLA-04622] C03 N70-41580	Phase locked loop with sideband rejecting properties in continuous wave tracking radar
Rotary spindle lathe attachments for machining geometrical cones	[NASA-CASE-XNP-02723] c07 N70-41680
[NASA-CASE-XMS-04292] c15 N71-22722	CONTOURS Describing device for surveying contour of
CONNECTORS Expanding and contracting connector strip for	surface using X-Y plotter and traveling
solar cell array of Nimbus satellite	transducer
[NASA-CASE-XGS-01395] C03 N69-21539	[NASA-CASE-XLA-08646] c14 N71-17586 Processing system for semiperiodic electrical
Design and development of quick release connector [NASA-CASE-XLA-01141] c15 N71-13789	signals to produce real time contoured display
Development and characteristics of strainer for	[NASA-CASE-MSC-13407-1] c10 N72-20225
flared tube fitting [NASA-CASE-XLA-05056] c15 N72-11389	CONTRACTION Elastomeric extensometer for measuring surface
Squib actuated disconnect for spacecraft	area changes of human body caused by body
coupling to launch vehicle	expansion and contraction [NASA-CASE-MFS-21049-1] c14 N73-11405
[NASA-CASE-NPO-13172-1] c33 N73-17917 Process for making BF shielded cable connector	CONTROL
assemblies and resulting structures	Valve assembly for controlling simultaneously
[NASA-CASE-GSC-11215-1] CO9 N73-28083	more than one fluid flow, and having stable qualities under loads
CONSCIOUSNESS Development of apparatus and method for	[NASA-CASE-XMS-05890] c09 N71-23191
quantitatively measuring brain activity as	Control system for pressure balance device used in calibrating pressure gages
automatic indication of sleep state and level of consciousness	r na sa - cast - xmf - 041347 c14 N71 - 23755
[NASA-CASE-MSC-13282-1] c05 N71-24729	Power control system for thermal nuclear reactor [NASA-CASE-XLE-05799]
CONSTRAINTS Heat transfer device with restraint mechanism	CONTROL BOARDS
for supporting wick against wall of shell	Ionization control system design for monitoring
[NASA-CASE-NPO-11120]	separately located ion gage pressures on vacuum chambers
Three stage motion restraining mechanism for restraining and damping three dimensional	[NASA-CASE-XLE-00787] c14 N71-21090
vibrational movement of qimballed package	CONTROL EQUIPMENT Stepping motor control apparatus exciting
during launch of spacecraft [NASA-CASE-GSC-10366-1] c15 N71-24694	windings in proper time sequence to cause
Cable quide and restraint device for reefing	motor to rotate in either direction [NASA-CASE-GSC-10366-11 c10 N71-18772
tubes in uniform manner [NASA-CASE-LAR-10129-1] c15 N73-25512	[NASA-CASE-GSC-10366-1] c10 N71-18772 Voltage drift compensation circuit for
Development of restraint system for securing	analog-to-digital converter
personnel to ergometer while exercising under	[NASA-CASE-XNP-04780] CO8 N71-19687 Development of attitude control system for
weightless conditions [NASA-CASE-MFS-21046-1] c14 N73-27377	vertical takeoff aircraft using reaction
CONSTRUCTION MATERIALS	nozzles displaced from various axes of aircraft [NASA-CASE-XAC-08972] c02 N71-20570
Apparatus and method of assembling building blocks by folding pre-cut flat sheets of	Device for controlling rotary potentiometer
material during on-site construction	mounted on aircraft steering wheel or aileron
[NASA-CASE-MSC-12233-1] c15 N72-25454 Development of construction block in form of	control [NASA-CASE-XAC-10019] c15 N71-23809
container folded from flat sheet and filled	Controlled release device for use in launching
with solid material for architectural purposes	rockets or missiles [NASA-CASE-XKS-03338] c15 N71-24043
[NASA-CASE-MSC-12233-2] c32 N73-13921 CONTACT POTENTIALS	Circuits for controlling reversible dc motor
Lightweight, rugged, inexpensive satellite	[NASA-CASE-XNP-07477]
<pre>battery for producing electrical power from ionosphere using electrodes with different</pre>	Digital memory system with multiple switch cores for driving each word location
contact potentials	[NASA-CASE-XNP-01466] c10 N71-26434
[NASA-CASE-XGS-01593] c03 N70-35408	Fluid control jet amplifiers [NASA-CASE-XLE-09341] c12 N71-28741
CONTAINERS Manufacture of fluid containers from fused	Device for controlling terminal shock waves in
coated polyester sheets having resealable septum	supersonic inlets [NASA-CASE-LEW-11188-1] c02 N71-34017
[NASA-CASE-NPO-10123] C15 N71-24835	[NASA-CASE-LEW-11188-1] c02 N71-34017

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System for control of variable signal generator [NASA-CASE-NPO-11064] c07 N72-11150	Force balanced throttle valve for fuel control
Solid state remote circuit selector switching	in focket engines
circuit	[NASA-CASE-NPO-10808] c15 N71-27432
[NASA-CASE-LEW-10387] c09 N72-22201	bual Stage Check valve for cryogenic cupple
Development of device for simulating charge and	systems used in space flight environmental control system
discharge cycle of battery in synchronous orbit	[V1 01 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
[NASA-CASE-GSC-11211-11	CONTROLLED ATMOSPHERES c15 N73-30459
Bridge-type gain control circuit	Rectangular electric conductors for conductor
[NASA-CASE-GSC-10786-1] c10 N72-28241	cables to withstand spacecraft vibration and
Flow control valve for high temperature fluids [NASA-CASE-NPO-11951-1] c15 N73-10501	controlled atmosphere
NASA-CASE-NPO-11951-1] c15 N73-10501 Digital control system for Baum folding machine	[NASA-CASE-MFS-14741] COR N70-20727
providing automatic counting and machine shutoff	high voltage pulse generator for testing flack
	and idultion limits of nonmetallic materials
Control circuit for nuclear thermionic converter	in controlled atmospheres
power source for spacecraft	[NASA-CASE-MSC-12178-1] c09 N71-13518
[NASA-CASE-NPO-13114-1] c22 N73-13656	System for continuous monitoring of exhalations, weighing, and cage cleaning for animal exposed
Phase delay control system for stabilizing	to controlled atmosphere for toxic study
signals passing through coaxial cables [NASA-CASE-NPO-13138-1] c09 N73-20238	[NASA-CASE-XAC-05333] C11 N71-22875
Interferometer prism and control system for	CONTROLLERS
precisely determining direction to remote	Unitary three-axis controller for flight
light source	vehicles within or outside atmosphere
[NASA-CASE-ARC-10278-1] c14 N73-25463	[NASA-CASE-XFR-00181] c21 N70-33279
Development and Characteristics of wariable	Two axis flight controller with potentiometer
ratio, mixed-mode, hilateral masteralama	control shafts directly coupled to rotatable ball members
control system for space shuttle remote manipulator system	ENACA CAGE WAS ALAST
[NASA-CASE-MSC-14245-1] c31 N73-30832	Hand controller operable about three
CONTROL ROCKETS	respectively perpendicular avec and capable of
Unit for generating thrust from catalytic	actuating Signal generators for attitude
decomposition of hydrogen perovide for high	Control devices
allitude alrerait or spacecraft reaction control	[NASA-CASE-XMS-07487] c15 N71-23255
1 NASA-CASE-XES-00583 C28 N70-3850A	Aircraft and spacecraft hand controllers for
CONTROL RODS	yaw, pitch, and roll [NASA-CASE-MSC-12394-1] c03 N73-20041
Nuclear reactor control rod assembly with	CONVECTIVE PLOW
improved driving mechanism [NASA-CASE-XLE-00298] c22 N70-34501	Design and development of device to prevent
Manual control mechanism for adjusting control	geysering during convective circulation of
rod to null position	
[NASA-CASE-XLA-01808] C15 N71-20740	[NASA-CASE-KSC-10615]
CONTROL SIMULATION	CORACCITAE HENT THUNSARK
Kinesthetic control simulator with multiple	Thin film gage for measuring convective heat
degree of freedom of movement similar to lunar	transfer on surfaces in air stream [NASA-CASE-NPO-10617] c14 N70-12618
TIVING Venicles	CONTRACTOR CASE-NPO-1061/) C14 N70-12618
FNACA-CACE TAR 400RC 44	CONVERGENCE
[NASA-CASE-LAR-10276-1] c11 N70-26813	CONARRGENCE
	CONVENEENCE Electrical device for developing converging spherical shock waves
Design and development of active control system for air cushion vehicle to reduce or eliminate	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]. c14 N72-22439 CONVERGENT NOZZIRS
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] CO2 N72-13022	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890] C14 N72-22439 CONVERGENT-DIVERGENT MOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURFACES	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890] C14 N72-22439 CONVERGENT-DIVERGENT MOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890] C14 N72-22439 CONVERGENT MOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] C28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURFACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-007151] c15 N70-24050	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURFACES Conical valve plug for use with reactive cryogenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiations.	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]. c14 N72-22439 CONVERGENT-DIVERGENT MOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] c28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] c28 N71-23968 CONVOLUTION INTEGRALS
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982]	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890] C14 N72-22439 CONVERGENT-DIVERGENT NOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] C28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] C28 N71-23968 CONVOLUTION INTEGRALS Learning decoders for decoding compatible
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryogenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing was	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890] C14 N72-22439 CONVERGENT-DIVERGENT NOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] C28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] C28 N71-23968 CONVOLUTION INTEGRALS Learning decoders for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1] C07 N72-27178
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURFACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and hypersonic speeds by deflecting flams mounted	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and hypersonic speeds by deflecting flaps mounted cn upper wing surface	Electrical device for developing converging spherical shock waves [NASA-CASE-MIS-20890]. c14 N72-22439 CONVERGENT-DIVERGENT NOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] c28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] c28 N71-23968 CONVOLUTION INTEGRALS Learning decoders for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1] c07 N72-27178 COOLANTS Simulated fuel assembly-type flow measurement apparatus for coolant flow in reactor core
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and hypersonic speeds by deflecting flaps mounted cn upper wing surface [NASA-CASE-LAR-11140-1] c02 N73-20008	Electrical device for developing converging spherical shock waves [NASA-CASE-MIS-20890] C14 N72-22439 CONVERGENT-DIVERGENT NOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] C28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] C28 N71-23968 CONVOLUTION INTEGRALS Learning decoders for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1] C07 N72-27178 COOLANTS Simulated fuel assembly-type flow measurement apparatus for coolant flow in reactor core [NASA-CASE-XLE-00724]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryogenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and hypersonic speeds by deflecting flaps mounted cn upper wing surface [NASA-CASE-LAR-11140-1] c02 N73-20008 CONTROL UNITS (CONFUTERS) Self testing and repairing computer convision	Electrical device for developing converging spherical shock waves [NASA-CASE-MFS-20890]
Design and development of active control system for air cushion vehicle to reduce or eliminate effects of excessive vertical vibratory acceleration [NASA-CASE-LAR-10531-1] c02 N73-13023 CONTROL SURPACES Conical valve plug for use with reactive cryoqenic fluids [NASA-CASE-XLE-00715] c15 N70-34859 Attitude control system for spacecraft based on conversion of incident solar radiation on movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855 Characteristics of system for providing yaw control of vehicles at high supersonic and hypersonic speeds by deflecting flaps mounted cn upper wing surface [NASA-CASE-LAR-11140-1] c02 N73-20008 CONTROL UNITS (COMPUTERS) Self testing and repairing computer comprising control and diagnostic unit and rollback	Electrical device for developing converging spherical shock waves [NASA-CASE-MIS-20890]. c14 N72-22439 CONVERGENT-DIVERGENT NOZZLES Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XMF-01544] c28 N70-34162 Regenerative cooling system for rocket combustion chamber using coolant tubes in convergent-divergent nozzle [NASA-CASE-XLE-04857] c28 N71-23968 CONVOLUTION INTEGRALS Learning decoders for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1] c07 N72-27178 COOLANTS Simulated fuel assembly-type flow measurement apparatus for coolant flow in reactor core [NASA-CASE-XLE-00724] c14 N70-34669 COOLING Microwave power receiving aptenna solving boot
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iodine vapor [NASA-CASE-XNP-01960]	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-SCS-05434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-NEW-062344] c10 N71-27137
iodine vapor [NASA-CASE-XNP-01960] COON 71-23027 COOLing and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] COPPER PLUORIDES Wethod to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] COBESTOBAGE Memory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] COBES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] COBRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-CS-02749] COBRECTION COBRECTION COBRECTION DETECTION	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-XGS-05434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNP-06234] c10 N71-27137 Electronic strain level counter on in-flight
iodine vapor [NASA-CASE-XNP-01960] Cooling and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] COPPER FLUORIDES Method to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] COBE STORAGE Memory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] CORES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] CORRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-KGS-02749] CORRELATIOR DETECTION Phase detector with time correlation integrator	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-XGS-05434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XMP-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LAE-10756-1] c32 N73-26910
iodine vapor [NASA-CASE-XNP-01960] Cooling and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] COPPER PLUORIDES Hethod to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] COBESTOBAGE Hemory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] COBES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] CORRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-CS-02749] CORRELATION DETECTION Phase detector with time correlation integrator for frequency multiplexed signals [NASA-CASE-GSC-11744-1] COB N73-23291	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-MSC-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-KSC-50544] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNP-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LABE-10756-1] c32 N73-26910
iodine vapor [NASA-CASE-XNP-01960] Cooling and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] COPPER FLUORIDES Method to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-HSC-12398] COBE STOBAGE Memory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] CORES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] CORRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-KGS-02749] CORRELATION DETECTION Phase detector with time correlation integrator for frequency multiplexed signals [NASA-CASE-GSC-11744-1] CORRELATORS	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-XGS-05434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNP-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LAE-10756-1] c32 N73-26910 COUNTING CIRCUITS Bocket-borne aspect sensor consisting of
iodine vapor [NASA-CASE-XNP-01960] Cooling and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] C16 N72-12440 COPPER FLUORIDES Hethod to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-HSC-12398] CORE STOBAGE Memory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] CORES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] CORRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-XGS-02749] CORRELATION DETECTION Phase detector with time correlation integrator for frequency multiplexed signals [NASA-CASE-GSC-11744-1] CORRELATORS Synchronous detection system for detecting weak	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-MSC-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-MSC-3644] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNP-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LAR-10756-1] c32 N73-26910 COUNTING CIRCUITS Rocket-borne aspect sensor consisting of radiation sensor, apertured disk, commutator, and counting circuits
iodine vapor [NASA-CASE-XNP-01960] Cooling and radiation protection of ruby lasers using copper sulfate solution in alcohol [NASA-CASE-MFS-20180] COPPER FLUORIDES Method to produce high purity copper fluoride by heating copper hydroxyfluoride powder and subjecting to flowing fluorine gas [NASA-CASE-LEW-10794-1] CORDAGE Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] COBE STORAGE Memory device employing semiconductor and ferroelectric properties of single crystal barium titanate [NASA-CASE-ERC-10307] CORES Rolling element with hollow center or low density material for bearings [NASA-CASE-LEW-11087-2] CORRECTION Doppler frequency shift correction device for multiplex communication with Applications Technology Satellites [NASA-CASE-KGS-02749] CORRELATIOR DETECTION Phase detector with time correlation integrator for frequency multiplexed signals [NASA-CASE-GSC-11744-1] CORRELATORS Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] C30 N71-23723	[NASA-CASE-MSC-13802-1] c30 N72-20805 System for detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMBTERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-XGS-05434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNP-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LAE-10756-1] c32 N73-26910 COUNTING CIRCUITS Rocket-borne aspect sensor consisting of radiation sensor, apertured disk, commutator, and counting circuits [NASA-CASE-KGS-08266] c14 N69-27432
iodine vapor [NASA-CASE-XNP-01960]	System for detecting impact position of cosmic dust on detecting impact position of cosmic dust on detector surface [NASA-CASE-GSC-11291-1] c25 N72-33696 COUCHES Shock absorbing couch for body support under high acceleration or deceleration forces [NASA-CASE-MSC-01240] c05 N70-35152 Low onset rate energy absorber in form of strut assembly for crew couch of Apollo command module [NASA-CASE-MSC-12279-1] c15 N70-35679 Shock absorbing articulated multiple couch assembly [NASA-CASE-MSC-11253] c05 N71-12343 Collapsible couch system for manned space vehicles [NASA-CASE-MSC-13140] c05 N72-11085 COULOMETERS Alkaline-type coulometer cell for primary charge control in secondary battery recharge circuits [NASA-CASE-MSC-35434] c03 N71-20491 Development and characteristics of battery charging circuits with coulometer for control of available current [NASA-CASE-GSC-10487-1] c03 N71-24719 COUNTERS Circuit for measuring wide range of pulse rates by utilizing high capacity counter [NASA-CASE-XNF-06234] c10 N71-27137 Electronic strain level counter on in-flight aircraft [NASA-CASE-LAR-10756-1] c32 N73-26910 COUNTING CIRCUITS Rocket-borne aspect sensor consisting of radiation sensor, apertured disk, commutator, and counting circuits [NASA-CASE-XGS-08266] c14 N69-27432 Design of transistorized ring counter circuit with special steering and triggering circuits
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Counter-divider circuit for accuracy and	CRACKING (FRACTURING)
reliability in binary circuits	Method to prevent stress corrosion cracking in
[NASA-CASE-XMF-00421] c09 N70-34502 Reversible ring counter using cascaded single	titanium alloys [NASA-CASE-NPO-10271] c17 N71-16393
silicon controlled rectifier stages	Development of method and equipment for
[NASA-CASE-XGS-01473] C09 N71-10673	detecting cracks in materials with porous
Capacitor sandwich structure containing metal sheets of known thickness for counting	subsurface matrix covered by impervious coating [NASA-CASE-MSC-14187-1] c14 N73-17564
penetration rates of meteoroids	Improved silicide coatings for refractory metals
[NASA-CASE-XLE-01246] C14 N71-10797	employed in space shuttles and gas turbine
Electronic counter circuit utilizing magnetic	engine components [NASA-CASE-LEW-11179-1] c17 N73-22474
core and low power consumption [NASA-CASE-XNP-08836] c09 N71-12515	[NASA-CASE-LEW-11179-1] c17 N73-22474 CREEP RUPTURE STRENGTH
Synchronous counter design incorporating	Nickel base alloy with resistance to oxidation
cascaded binary stages driven by previous	at high temperatures and superior
stages and inputs through NAND gates INASA-CASE-XGS-024401 c08 N71-19432	stress-rupture properties [NASA-CASE-XLE-02082] c17 N71-16026
[NASA-CASE-XGS-02440] c08 N71-19432 Digital cardiotachometer incorporating circuit	CRITICAL EXPERIMENTS
for measuring heartheat rate of subject over	Apparatus and process for volumetrically
predetermined portion of one minute also	dispensing reagent quantities of volatile chemicals for small batch reactions
converting rate to beats per minute [NASA-CASE-XMS-02399] c05 N71-22896	[NASA-CASE-NPO-10070] c15 N71-27372
Computer circuit performing both counting and	CROSSED FIELDS
shifting logic operations also capable of	Crossed-field plasma accelerator for laboratory
miniaturization and integration in basic	simulation of atmospheric reentry conditions [NASA-CASE-XLA-00675] c25 N70-33267
circuits [NASA-CASE-XNP-01753] c08 N71-22897	Direct conversion of thermal energy into
Noninterruptable digital counter circuit design	electrical energy using crossed electric and
with display device for pulse frequency	magnetic fields [NASA-CASE-XLE-00212] c03 N70-34134
modulation [NASA-CASE-XNP-09759] c08 N71-24891	Crossed field MHD plasma generator-accelerator
COUPLING	[NASA-CASE-XLA-03374] c25 N71-15562
Coupling device for linear shaped charge for	CROSSLINKING
space vehicle abort system [NASA-CASE-XLA-00189] c33 N70-36846	New trifunctional alcohol derived from trimer acid and novel method of preparation
Base support for expansible and contractible	[NASA-CASE-NPO-10714] c06 N69-31244
coupling between two members	CRUCIBLES
[NASA-CASE-NPO-11059] c15 N72-17454	Evaporating crucible of tantalum-tungsten foil, nickel alumina bonding agent, and ceramic
COUPLING CIRCUITS Interrogator and current driver circuit for	coating
combination with transistor flip-flop circuit	[NASA-CASE-XLA-03105] c15 N69-27483
[NASA-CASE-XGS-03058] c10 N71-19547	CRUDE OIL
Antenna array at focal plane of reflector with coupling network for beam switching	Decontamination of petroleum products with honey [NASA-CASE-XNP-03835] c06 N71-23499
[NASA-CASE-GSC-10220-1] c07 N71-27233	CRYOGENIC EQUIPMENT
Phase modulator with tuned variable length	Gas balancing, cryogenic refrigeration apparatus
electrical lines including coupling and varactor diode circuits	with Joule-Thomson valve assembly [NASA-CASE-NPO-10309] c15 N69-23190
[NASA-CASE-MSC-13201-1] c07 N71-28429	Low thermal loss piping arrangement for moving
High efficiency transformerless amplitude	cryogenic media through double chamber structure
modulator coupled to RF power amplifier [NASA-CASE-GSC-10668-1] c07 N71-28430	[NASA-CASE-XNP-08882] c15 N69-39935 Method and apparatus for removing plastic
Radiometer quadrature control and measuring	insulation from wire using cryogenic equipment
system using optical coupling circuitry	[NASA-CASE-MFS-10340] c15 N71-17628
[NASA-CASE-MFS-21660-1] c14 N73-13434	Dual solid cryoqens for spacecraft refrigeration insuring low temperature cooling for extended
COUPLINGS Releasable coupling device designed to receive	periods
and retain matching ends of electrical	[NASA-CASE-GSC-10188-1] c23 N71-24725
connectors [NASA-CASE-XMS-07846-1]	Reliability of automatic refilling valving
[NASA-CASE-XMS-07846-1] c09 N69-21927 Stage separation using remote control release of	device for cryogenic liquid systems [NASA-CASE-NPO-11177] c15 N72-17453
joint with explosive insert	Dual stage check valve for cryogenic supply
[NASA-CASE-XLA-02854] c15 N69-27490	systems used in space flight environmental
Space vehicle stage coupling and quick release separation mechanism	control system [NASA-CASE-MSC-13587-1] c15 N73-30459
[NASA-CASE-XLA-01441] c15 N70-41679	CRYOGENIC FLUID STORAGE
Standard coupling design for mass production	Control system for maintaining liquid nitrogen
[NASA-CASE-XMS-02532] c15 N70-41808	level in cryoqenic reservoir [NASA-CASE-XLA-09714] c03 N70-35700
Quick-release coupling for fueling rocket vehicles with cryogenic propellants	Apparatus for cryogenic liquid storage with heat
[NASA-CASE-XKS-01985] c15 N71-10782	transfer reduction and for liquid transfer at
Ratchet mechanism for high speed operation at	zero gravity conditions [NASA-CASE-XLE-00345] c15 N70-38020
reduced backlash [NASA-CASE-MFS-12805] c15 N71-17805	Cryogenic storage system for gases onboard
Split nut and bolt separation device	spacecraft
[NASA-CASE-XNP-06914] c15 N71-21489	[NASA-CASE-XMS-04390] c31 N70-41871
Quick disconnect duct coupling device for single-handed operation	Carbon dioxide purqe systems to prevent condensation in spaces between cryogenic fuel
[NASA-CASE-MFS-20395] c15 N71-24903	tanks and hypersonic vehicle skin
Coupling arrangement for isolating torque loads	[NASA-CASE-XLA-G1967] c31 N70-42015
from axial, radial, and bending loads [NASA-CASE-XLA-04897] c15 N72-22482	Fabrication of filament wound propellant tank for cryogenic storage
[NASA-CASE-XLA-04897] c15 N72-22482	[NASA-CASE-XLE-03803-2] c15 N71-17651
Apparatus for ejecting covers of instrument	Prefabricated multilayered self-evacuating
packages using differential pressure principle	insulation panels using gas with low vapor
[NASA-CASE-XMF-04132] c15 N69-27502 Transparent plastic film for attaching cover	pressure at cryogenic temperatures for application to storage of cryogens
glasses to silicon solar cells	NASA-CASE-XLE-042227
[NASA-CASE-LEW-11065-1] c03 N72-11064	_

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Bultilayer insulation panels for cryogenic	CRYOGENICS
liquid containers [NASA-CASE-MPS-14023] c33 N71-25351	High strength aluminum casting alloy for
Development of thermal insulation material for	cryogenic applications in aerospace engineering [NASA-CASE-XMF-02786] c17 N71-20743
insulating liquid hydrogen tanks in spacecraft	Portable cryogenic cooling system design
[NASA-CASE-XMF-05046] c33 N71-28892 Cyclically heated auxiliary chamber for heating	including turbine pump, cooling chamber, and
and mixing stored fluids	atomizer [NASA-CASE-NPO-10467] c23 N71-26654
[NASA-CASE-ARC-10442-1] c14 N73-30415	CRYOLITE
CRYOGENIC FLUIDS Cryogenic flux-qated magnetometer using	Ultraviolet filter of thorium fluoride and
superconductors	cryolite on quartz base [NASA-CASE-XNP-02340] c23 N69-24332
[NASA-CASE-XAC-02407] c14 N69-27423	CRYOSTATS
Fuel tank pressure-relief device for venting cryogenic liquid vapors through tubes with	Cryostat for flexure fatigue testing of composite materials
porous plug	[NASA-CASE-XMF-02964] c14 N71-17659
[NASA-CASE-XLE-00288] c15 N7G-34247	Cryostat for use with horizontal fatique testing
Conical valve plug for use with reactive cryogenic fluids	machines at low temperatures [NASA-CASE-XMF-10968] c14 N71-24234
[NASA-CASE-XLE-00715] c15 N70-34859	CRYSTAL FILTERS
Two component valve assembly for cryoqenic liquid transfer regulation	Infrared tunable dye laser with nonlinear
[NASA-CASE-XLE-00397] c15 N70-36492	<pre>wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1]</pre>
Measuring density of single and two-phase	CRYSTAL GROWTH
cryogenic fluids in rocket fuel tanks [NASA-CASE-XLE-00688] c14 N70-41330	Device for producing high purity silicon carbide
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High pressure liquid flow sight assembly for	crystalline material from dense gaseous medium [NASA-CASE-NPO-10440] c15 N72-21466
wide temperature range applications including	CRYSTAL OSCILLATORS
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Automatic thermal switch for improving	detecting condensible gas contaminants in vacuum apparatus
efficiency of cooling gases below 40 K	[NASA-CASE-NPO-10144] c14 N71-17701
[NASA-CASE-XNP-03796] c23 N71-15467 Describing apparatus for separating gas from	CRYSTAL RECTIFIERS Turn on current transient limiter for
cryogenic liquid under zero gravity and for	controlling peak current flow in high capacity
venting gas from fuel tank	load
[NASA-CASE-XLE-00586] c15 N71-15968 Development of apparatus for measuring thermal	[NASA-CASE-GSC-10413] c10 N71-26531 CRYSTALS
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[NASA-CASE-XGS-01052] c14 N71-15992 Method and apparatus for producing fine	crystals and output voltage magnitude
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[NASA-CASE-XLE-04503] c14 N71-24864 Design and development of device to prevent	CURING Mothed for suring thick continues 6
qeysering during convective circulation of	Method for curing thick sections of room temperature vulcanizing single component
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superconducting materials acting as permanent	electrical adaptor
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Quick-release coupling for fueling rocket vehicles with cryogenic propellants	[NASA-CASE-XLE-02066] c28 N71-15661
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Automatically reciprocating, high pressure pump	current flow [NASA-CASE-XNP-00952] c10 N71-23271
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[NASA-CASE-XNP-04731] c15 N71-24042 CRYOGENIC STORAGE	from one voltage for another voltage for use [NASA-CASE-XER-11046-2]
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Circuit design for determining amount of	[NASA-CASE-XMS-04843] c03 N69-21469
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[NASA-CASE-XMS-09352] CO9 N71-23316	fire resistant, heat insulating materials
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[NASA-CASE-KSC-10162] c09 N72-11225	Xe-123 by bombarding tellurium target with
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CORVE PITTING	D
Simulating voltage-current characteristic curves	-
Simulating voltage-current characteristic curves of solar cell panel with different operational	DAMPING
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Simulating voltage-current characteristic curves of solar cell panel with different operational parameters [NASA-CASE-XMS-01554] c10 N71-10578 CURVED PANELS	DAMPING Dynamic precession damping of spin-stabilized vehicles by using rate gyroscope and angular accelerometer
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Simulating voltage-current characteristic curves of solar cell panel with different operational parameters [NASA-CASE-XMS-01554] c10 N71-10578 CURVED PANELS Fabrication of curved reflector segments for solar mirror	DAMPING Dynamic precession damping of spin-stabilized vehicles by using rate gyroscope and angular accelerometer [NASA-CASE-XLA-01989] C21 N70-34295 Slosh damping method for liquid rocket
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Simulating voltage-current characteristic curves of solar cell panel with different operational parameters [NASA-CASE-XMS-01554] c10 N71-10578 CURVED PANELS Fabrication of curved reflector segments for solar mirror [NASA-CASE-XLE-08917] c15 N71-15597 Method and apparatus for bowing of instrument panels to improve radio frequency shielded enclosure [NASA-CASE-XMF-09422] c07 N71-19436 Space erectable rollup solar array of arcuate	DAMPING Dynamic precession damping of spin-stabilized vehicles by using rate gyroscope and angular accelerometer [NASA-CASE-XLA-01989]
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[NASA-CASE-XLA-02619] c10 N71-26334	DIASTOLIC PRESSURE
Hydrogen fire blink detector for high altitude rocket or ground installation	Automatic system for measuring and monitoring systolic and diastolic blood pressure in humans
[NASA-CASE-MFS-15063] c14 N72-25412	[NASA-CASE-MSC-13999-1] c05 N72-25142
Device for detection of combustion light	DIATORIC GASES
preceding gaseous explosions	Laser utilizing infrared rotation transitions of
[NASA-CASE-LAR-10739-1] c14 N73-16484	diatomic gas for production of different
Optical imaging system for increasing light absorption efficiency of imaging detector	wavelengths [NASA-CASE-ARC-10370-1] c16 N72-10432
[NASA-CASE-ARC-10194-1] c23 N73-20741	DIELECTRIC POLARIZATION
Cold cathode discharge tube with pressurized gas	Low loss dichroic plate for passing radiation
cell for meteoroid detection in space	within selected frequency band for Cassegrain
[NASA-CASE-LAR-10483-1] c14 N73-32327	antenna feed
Leak detector with high vacuum seals [NASA-CASE-LAR-11237-1] c14 N73-32344	[NASA-CASE-NPO-13171-1] c07 N73-12150 DIELECTRIC PROPERTIES
DETONATION	Flowmeter for determining changes in dielectric
Development of technique and apparatus for	constant of fluid in conduit
optically detonating insensitive high explosives	[NASA-CASE-MFS-20974] c14 N72-15430
(NASA-CASE-NPO-11743-1) c33 N73-29959 DETONATION WAVES	Capacitive tank gaging device for monitoring one constituent of two phase fluid by sensing
Detonation reaction engine comprising outer	dielectric constant
housing enclosing pair of inner walls for	[NASA-CASE-MFS-21629] c14 N72-22442
continuous flow	DIELECTRICS
[NASA-CASE-XMF-06926] c28 N71-22983 DEUTERIUM	Fabricating solar cells with dielectric layers
Gas chromatographic method for analyzing	to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267
hydrogen deuterium mixtures	Temperature sensitive capacitor device for
[NASA-CASE-NPO-11322] c06 N72-25146	detecting very low intensity infrared radiation
DIAGRAMS	[NASA-CASE-XNP-09750] c14 N69-39937
Phototransistor with base collector junction diode for integration into photo sensor arrays	Electrical power system for space flight vehicles operating over extended periods
[NASA-CASE-MFS-20407] c09 N73-19235	[NASA-CASE-XMF-00517] c03 N70-34157
DIAMINES	Nose cone mounted heat resistant antenna
Preparation of elastomeric diamine silazane	comprising plurality of adjacent layers of
polymers [NASA-CASE-XMF-04133] c06 N71-20717	silica not introducing paths of high thermal
Synthesis of aromatic diamines and dialdehyde	conductivity through ablative shield [NASA-CASE-XMS-04312]
polymers using Schiff base	Broadband microwave waveguide window to
[NASA-CASE-XMF-03074] c06 N71-24740	compensate dielectric material filling
Synthesis of siloxane containing epoxide and	[NASA-CASE-XNP-08880] c09 N71-24808
diamine polymers [NASA-CASE-MFS-13994-2] c06 N72-25148	Laser machining device with dielectric functioning as beam waveguide for mechanical
Stable polyimide synthesis from mixtures of	and medical applications
monomeric diamines and polycarboxylic acid	[NASA-CASE-HQN-10541-2] c15 N71-27135
esters	Quasi-optical microwave circuit with dielectric
[NASA-CASE-LEW-11325-1] c06 N73-27980 DIAMONDS	body for use with oversize wavequides [NASA-CASE-ERC-10011] c07 N71-29065
Metal surface treatment including impregnation	Semiconductor device manufacture using
with diamond particles to increase resistance	refractory dielectrics as diffusant masks and
to corrosion, galling, and erosion	interconnection insulating materials
[NASA-CASE-NPO-10779] c15 N70-34641 Exponential horn, copper plate, magnetic hammer,	[NASA-CASE-XER-08476-1] c26 N72-17820 Material compositions and processes for
and anvil in apparatus for making diamonds	developing dielectric thick films used in
[NASA-CASE-MFS-20698] c15 N72-20446	microcircuit capacitors
Simplified technique and device for producing	[NASA-CASE-LAR-10294-1] c26 N72-28762
industrial grade synthetic diamonds [NASA-CASE-MFS-20698-2] c15 N73-19457	Development of equipment and method for electrifying dielectric to determine
DIAPHRAGES (HECHANICS)	electrostatic properties
Expulsion and measuring device for determining	[NASA-CASE-MFS-22129-1] c09 N73-26197
quantity of liquid in tank under conditions of	DIES
weiqhtlessness [NASA-CASE-XMS-01546] c14 N70-40233	Punch and die device for forming convolution
Reinforcing beam system for highly flexible	series in thin qage metal hemispheres [NASA-CASE-XNP-05297] c15 N71-23811
diaphragms in valves or pressure switches	Development and characteristics of
[NASA-CASE-XNP-01962] c32 N70-41370	frusto-conical die nib for extrusion of
Flexible rocket motor nozzle closure device to aid ignition and protect rocket chamber from	refractory metals [NASA-CASE-XLE-06773] c15 N71-23817
foreign objects	[NASA-CASE-XLE-06773] c15 N71-23817 DIPPERENTIAL AMPLIFIERS
[NASA-CASE-XLA-02651] C28 N70-41967	Temperature compensated solid state differential
Knife structure for controlling rupture of shock	amplifier with application in
tube diaphragms [NASA-CASE-XAC-00731] c11 N71-15960	bioinstrumentation circuits
[NASA-CASE-XAC-00731] c11 N71-15960 Magnetically opened diaphragm design with camera	[NASA-CASE-XAC-00435] c09 N70-35440 Stepping motor control apparatus exciting
shutter and expansion tube applications	windings in proper time sequence to cause
[NASA-CASE-XLA-03660] c15 N71-21060	motor to rotate in either direction
Design and development of inertia diaphragm	[NASA-CASE-GSC-10366-1] c10 N71-18772
pressure transducer [NASA-CASE-XAC-02981] c14 N71-21072	DIFFERENTIAL INTERFEROMETRY Device for determining acceleration of gravity
Punch and die device for forming convolution	by interferometric measurement of travel of
series in thin gage metal hemispheres	falling body
[NASA-CASE-XNP-05297] c15 N71-23811	[NASA-CASE-XMF-05844] c14 N71-17587
Rubber composition for expulsion bladders and	DIFFERENTIAL PRESSURE
diaphragms for use with hydrazine [NASA-CASE-NPO-11433] c18 N71-31140	Relief valve to permit slow and fast bleeding rates at difference pressure levels
Development of differential pressure control	[NASA-CASE-XMS-05894-1] c15 N69-21924
system using motion of mechanical diaphragms	Apparatus for ejecting covers of instrument
to operate electric switch	packages using differential pressure principle
[NASA-CASE-MFS-14216] c14 N73-13418	[NASA-CASE-XMP-04132] c15 N69-27502

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DIFFRACTION	[NASA-CASE-GSC-10564] c10 N71-29135
Highly stable optical mirror assembly optimizing image quality of light diffraction patterns	Digital converter for scaling binary number to
[NASA-CASE-ERC-10001] c23 N71-24868	binary coded decimal number of higher multiple [NASA-CASE-KSC-10595] c08 N73-12176
DIFFRACTION PATTERNS	Fault-tolerant clock apparatus for use in
Digital sensor for counting fringes produced by	digital logic systems which maintains output
interferometers with improved sensitivity and	pulses during component failure
one photomultiplier tube to eliminate	[NASA-CASE-MSC-12531-1] c14 N73-22386
alignment problem [NASA-CASE-LAR-10204] c14 N71-27215	DIGITAL DATA
DIFFRACTOMETERS	Phase shift data transmission system with pseudo-noise synchronization code modulated
Dual purpose optical instrument capable of	with digital data into single channel for
simultaneously acting as spectrometer and	spacecraft communication
diffractometer	[NASA-CASE-KNP-00911] c08 N70-41961
[NASA-CASE-XNP-05231] c14 N73-28491	Tape quidance system for multichannel digital
DIFFUSERS Transmitting and reflecting diffuser	recording system [NASA-CASE-XNP-09453] c08 N71-19420
[NASA-CASE-LAR-10385-3] c23 N73-32538	[NASA-CASE-XNP-09453] c08 N71-19420 Digital telemetry system apparatus to reduce
DIFPUSION	tape recorder wow and flutter noise during
Selective gold diffusion on monolithic silicon	playback
chips for switching and nonswitching amplifier	[NASA-CASE-XGS-01812] c07 N71-23001
devices and circuits and linear and digital logic circuits	Digital data handling circuits for pulse
[NASA-CASE-ERC-10072] c09 N70-11148	amplifiers [NASA-CASE-XNP-01068] c10 N71-28739
Netallic film diffusion for boundary lubrication	Bit synchronization system using digital data
in aerospace engineering	transition tracking phased locked loop
[NASA-CASE-XLE-10337] c15 N71-24046	[NASA-CASE-NPO-10844] c07 N72-20140
Transmitting and reflecting diffusers for	Control and information system for digital
ultraviolet light [NASA-CASE-LAR-10385-2] c23 N72-28694	telemetry data using analog converter to
DIFFUSION PUMPS	digitize sensed parameter values [NASA-CASE-NPO-11016] c08 N72-31226
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backstreaming into evacuated system	automatically displaying digits in any desired
[NASA-CASE-GSC-10518-1] c15 N72-22489	order using optical techniques
Computer controlled infusion pump for time	[NASA-CASE-XKS-00348] c09 N73-14215
<pre>varying input of calcium into physiological systems</pre>	DIGITAL PILTERS
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Diffusion bonded graphite reinforced aluminum	Digital filter for reducing fitter in digital
composites	control systems
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Method for diffusion welding dissimilar metals in vacuum chamber	Nonrecursive counting digital filter containing
[NASA-CASE-GSC-10303] c15 N72-22487	shift requister [NASA-CASE-NPO-11821-1] c08 N73-26175
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material	Shirt register [NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for
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[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process	[NASA-CASE-NPO-11821-1] CO8 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] C14 N70-41807
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-HFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:462] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11:388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11:388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAFT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:482] c15 N72-22492 Single-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805	[NASA-CASE-NFO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-RC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] Digital telemetry system apparatus to reduce
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 TWO-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:462] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback
[NASA-CASE-GSC-10303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 TWO-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:462] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XHF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTRNS Device for removing plastic dust cover from digital computer disk packs for inspection and	[NASA-CASE-NFO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Diqitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using diqital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Diqital filter for reducing jitter in diqital control systems [NASA-CASE-NFO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from diqital computer disk packs for inspection and cleaning	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:402] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAE-10590-1] c15 N70-26819	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-1472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Diqitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using diqital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Diqital filter for reducing jitter in diqital control systems [NASA-CASE-NFO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from diqital computer disk packs for inspection and cleaning	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-NP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:462] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XHF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-NP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-LSW-11388-1] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] Binary sequence detector with few memory	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores
[NASA-CASE-GSC-10:303] c.15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c.15 N72-22492 Sinqle-step diffusion welding process [NASA-CASE-LEW-11388-2] c.15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c.15 N73-32358 DIGITAL COMMAND SYSTEMS Diqitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-LEW-11388-1] c.09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c.09 N71-24805 Diqital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c.08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c.15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c.08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-ECS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location
[NASA-CASE-GSC-10:30:3] c.15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:40:2] c.15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c.15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c.15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c.09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c.09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c.08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c.15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c.08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-XNPO-05415] c.08 N71-12505	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-XNP-01466] c10 N71-26434
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffussion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XHF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-XNP-05415] Digital computer system for automatic prelaunch checkout of spacecraft	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-ERC-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-ERS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-INP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-INP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-XNP-01466] c10 N71-26434 Digital quasi-exponential function generator
NASA-CASE-GSC-10:30:3 c15 N72-22487	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-1472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-NP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-NP-01466] c10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NPO-11130] c08 N72-20176
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffusion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-LEW-11388-1] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTRES Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-16590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-NPO-01112] c08 N71-12505 Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XKS-08012-2] c31 N71-15566 Description of error correcting methods for use	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-EKG-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-EKG-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-INP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-0759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-NP-01130] c10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NP-01130] Digital function generator for generating any arbitrary single valued function
[NASA-CASE-GSC-10:303] c.15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20:402] c.15 N72-22492 Single-step diffussion welding process [NASA-CASE-LEW-11388-2] c.15 N73-10500 Two-step diffussion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c.15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c.09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XHF-06892] c.09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c.08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c.15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c.08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-XNP-05415] c.08 N71-12505 Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XKS-08012-2] c.31 N71-15566 Description of error correcting methods for use with digital data computers and apparatus for	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-NPO-1472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-ERC-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-EGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital nemory system with multiple switch cores for driving each word location [NASA-CASE-NPO-01130] c08 N72-2484 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NPO-11104] c08 N72-22165
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20462] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-NPO-5415] c08 N71-12505 Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XKS-08012-2] c31 N71-15566 Description of error correcting methods for use with digital data computers and apparatus for encoding and decoding digital data	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable maquetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-NP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-NP-01466] c10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NP-1130] c08 N72-20176 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NPO-11104] Digital video system for displaying image and
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-LEW-11388-1] c09 N71-23525 System for maintaining motor at predetermined speed using diqital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Diqital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTRES Device for removing plastic dust cover from diqital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-NPO-0415] Diqital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XKS-08012-2] c31 N71-15566 Descripticn of error correcting methods for use with diqital data computers and apparatus for encoding and decoding diqital data	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-INP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-XNP-01466] c10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NPO-11130] c08 N72-20176 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NPO-11104] c08 N72-22165 Digital video system for displaying image and alphanumeric data on cathode ray tube
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20462] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-LEW-11388-2] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-1] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-XGS-02317] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-NPO-5415] c08 N71-12505 Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XKS-08012-2] c31 N71-15566 Description of error correcting methods for use with digital data computers and apparatus for encoding and decoding digital data	[NASA-CASE-NPO-11821-1] CO8 N73-26175 DIGITAL SPACECRAPT TELBVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] C14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] C08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] C14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00359] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] C07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] C08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-XNP-01466] c10 N71-26434 Digital quasi-exponential function qenerator [NASA-CASE-NP0-11130] c08 N72-22176 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NP0-11104] c08 N72-22165 Digital video system for displaying image and alphanumeric data on cathode ray tube [NASA-CASE-NP0-11342] c09 N72-25248
[NASA-CASE-GSC-10:303] c15 N72-22487 Reinforced FEP Teflon composite material diffusion bonded to metal substrate [NASA-CASE-MFS-20482] c15 N72-22492 Sinqle-step diffussion welding process [NASA-CASE-MFS-20482] c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys [NASA-CASE-LEW-11388-2] c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems [NASA-CASE-LEW-11388-1] c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses [NASA-CASE-XMF-06892] c09 N71-24805 Digital filter for reducing jitter in digital control systems [NASA-CASE-NPO-11088] c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-16590-1] c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude [NASA-CASE-NPO-10112] c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity [NASA-CASE-NPO-0415] Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XNP-05415] Digital computer system for automatic prelaunch checkout of spacecraft [NASA-CASE-XNP-02748] c08 N71-22749 Serial digital data computers and apparatus for encoding and decoding digital data [NASA-CASE-NPO-0748] c08 N71-22749 Serial digital decoder design with square circuit matrix and serial memory storage units [NASA-CASE-NPO-10150] c08 N71-24650	[NASA-CASE-NPO-11821-1] c08 N73-26175 DIGITAL SPACECRAPT TELBYISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] c14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] c08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] c14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-XNP-01466] c10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NPO-11130] c08 N72-20176 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NPO-11104] c08 N72-22165 Digital video system for displaying image and alphanumeric data on cathode ray tube
NASA-CASE-GSC-10:303 C15 N72-22487	[NASA-CASE-NPO-11821-1] CO8 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] C14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] C08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-KGS-00359] C14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-KGS-00689] C08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-KGS-01812] C07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] C10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] C08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-NP0-01466] C10 N71-26434 Digital quasi-exponential function generator [NASA-CASE-NP0-11130] C08 N72-20176 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NP0-11104] C08 N72-22165 Digital video system for displaying image and alphanumeric data on cathode ray tube [NASA-CASE-NP0-11342] c09 N72-25248 Modification of conventional digital frequency divider to extend frequency range [NASA-CASE-LAR-10730-1] c10 N72-27255
Reinforced FEP Teflon composite material diffusion bonded to metal substrate (NASA-CASE-MFS-20462) c15 N72-22492 Single-step diffussion welding process (NASA-CASE-LEW-11388-2) c15 N73-10500 Two-step diffusion welding process of unrecrystallized alloys (NASA-CASE-LEW-11388-1) c15 N73-32358 DIGITAL COMMAND SYSTEMS Digitally controlled frequency synthesizer for pulse frequency modulation telemetry systems (NASA-CASE-KGS-02317) c09 N71-23525 System for maintaining motor at predetermined speed using digital pulses (NASA-CASE-XMF-06892) c09 N71-24805 Digital filter for reducing jitter in digital control systems (NASA-CASE-MPD-11088) c08 N71-29034 DIGITAL COMPUTERS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning (NASA-CASE-LAE-10590-1) c15 N70-26819 Binary number sorter for arranging numbers in order of magnitude (NASA-CASE-NPO-10112) c08 N71-12502 Binary sequence detector with few memory elements and minimized logic circuit complexity (NASA-CASE-NPO-5415) c08 N71-12505 Digital computer system for automatic prelaunch checkout of spacecraft (NASA-CASE-XKS-08012-2) c31 N71-15566 Description of error correcting methods for use with digital data computers and apparatus for encoding and decoding digital data (NASA-CASE-XKS-08012-2) c08 N71-22749 Serial digital data computers and apparatus for encoding and decoding digital data (NASA-CASE-XKS-08012-2) c08 N71-22749 Serial digital decoder design with square circuit matrix and serial memory storage units (NASA-CASE-NPO-10150) c08 N71-24650 Digital magnetic core memory with sensing amplifier circuits	[NASA-CASE-NPO-11821-1] CO8 N73-26175 DIGITAL SPACECRAPT TELEVISION TV camera output signal control system for digital spacecraft communication [NASA-CASE-XNP-01472] C14 N70-41807 DIGITAL SYSTEMS Asynchronous binary array divider for computerized division operations [NASA-CASE-ERC-10180] C08 N70-11132 Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] C14 N70-34158 Circuit diagram and operation of full binary adder [NASA-CASE-XGS-00689] c08 N70-34787 Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 Reliable magnetic core circuit apparatus with application in selection matrices for digital memories [NASA-CASE-XNP-01318] c10 N71-23033 Noninterruptable digital counter circuit design with display device for pulse frequency modulation [NASA-CASE-XNP-09759] c08 N71-24891 Digital memory system with multiple switch cores for driving each word location [NASA-CASE-NP-01130] c08 N72-22176 Digital quasi-exponential function generator [NASA-CASE-NPO-11104] c08 N72-22165 Digital function generator for generating any arbitrary single valued function [NASA-CASE-NPO-1104] c08 N72-22165 Digital video system for displaying image and alphanumeric data on cathode ray tube [NASA-CASE-NPO-11342] c09 N72-25248 Modification of conventional digital frequency divider to extend frequency range [NASA-CASE-LAR-10730-1] Data compression using decreasing slope
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[NASA-CASE-LAR-10688-1] c15 N73-11442 Digital second order, phase locked loop with	with open connection using shunting diode [NASA-CASE-XLE-04535] c03 N71-23354
counter driven by stable clock pulse source	Transducer and frequency discriminator circuit
[NASA-CASE-NPO-11905-1] c08 N73-12192	with four-terminal circulating diode bridge
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Temperature corrected circuit for qyroscope or accelerometer of digital rebalance type	[NASA-CASE-GSC-10878-1] c10 N72-22236 Development of method and apparatus for
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Low phase noise frequency divider for use with	transistors
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[NASA-CASE-XNP-03623] CO9 N73-28084	[NASA-CASE-NPO-11856-1] c16 N72-25490
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Describing frequency discriminator using digital logic circuits and supplying single binary	source with components and circuitry for maintaining luminous intensity independent of
output signal	temperature variations
[NASA-CASE-MFS-14322] c08 N71-18692	[NASA-CASE-ARC-10467-1] c09 N73-14214
Constructing Exclusive-Or digital logic circuit	High isolation RF signal selection switches
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Horizon sensor design with digital sampling of	attachment
spaced radiation-compensated thermopile	[NASA-CASE-ERC-10224-2] c09 N73-27150
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Digital cardiotachometer incorporating circuit	polarized pair of elements
for measuring heartbeat rate of subject over	[NASA-CASE-ERC-10214] c09 N72-31235
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Digital synchronizer for extracting binary data	Automatic control of voltage supply to direct
in receiver of PSK/PCM communication system	current motor
[NASA-CASE-NPO-10851] c07 N71-24613 Digital sensor for counting fringes produced by	[NASA-CASE-XMS-04215-1] c09 N69-39987 Thermionic diode switch for use in high
interferometers with improved sensitivity and	temperature region to chop current from dc
one photomultiplier tube to eliminate	source
alignment problem [NASA-CASE-LAR-10204] c14 N71-27215	[NASA-CASE-NPO-10404] c03 N71-12255 Transistorized dc-coupled multivibrator with
Design and development of closed-loop, digital	noninverted output signal
data communication system using optimum number	[NASA-CASE-XNP-09450] c10 N71-18723
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[NASA-CASE-MSC-13912-1] c07 N73-12151 Development and characteristics for	windings in proper time sequence to cause motor to rotate in either direction
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[NASA-CASE-XKS-00348] c09 N73-14215 Apparatus and digital technique for coding rate	oscillators converting dc voltage to ac or higher dc voltages
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[NASA-CASE-LAR-10128-1] c08 N73-20217	Direct current powered self repeating plasma
Digital phase-locked loop for accumulator output signal phase-locked to input signal	accelerator with interconnected annular and linear discharge channels
[NASA-CASE-GSC-11623-1] c10 N73-31202	[NASA-CASE-XLA-03103] c25 N71-21693
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[NASA-CASE-XLA-07828] c08 N71-27057	to negative dc voltage across load with common
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input/output memory device [NASA-CASE-KSC-10397] c08 N72-25206	[NASA+CASE-XMF-08217] c03 N71-23239 Blood pressure measuring system for separately
Digital to analog converter for sampled signal	recording dc and ac pressure signals of
reconstruction	Korotkoff sounds
[NASA-CASE-MSC-12458-1] c08 N73-32081 DIGITAL TRANSDUCERS	[NASA-CASE-XMS-06061] c05 N71-23317 Radio frequency coaxial filter to provide dc
Digital to analog converter for sampled signal	isolation and low frequency signal rejection
reconstruction	in audio range
[NASA-CASE-MSC-12458-1] c08 N73-32081	[NASA-CASE-XGS-01418]
DIISOCYANATES Chemical and physical properties of synthetic	Brushless dc tachometer design with Hall effect crystals and output voltage magnitude
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[NASA-CASE-MFS-10512] c06 N73-30099 Preparation of stable polyurethane polymer by	Inverters for changing direct current to alternating current
reacting polymer with diisocyanate	[NASA-CASE-XGS-06226] c10 N71-25950
[NASA-CASE-MFS-10506] c06 N73-30100	Circuits for controlling reversible dc motor
Preparation of polyurethane polymer by reacting	[NASA-CASE-XNP-07477]
hydroxy polyformal with organic diisocyanate [NASA-CASE-MFS-10509] c06 N73-30103	Feedback control for direct current motor to achieve constant speed under varying loads
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Single electrical circuit component combining	High dc switch for causing abrupt, cyclic,
diode, fuse, and blown indicator with elongated tube of heat resistant transparent	decreases of current to operate under zero or varying gravity conditions
material resistant transparent	[NASA-CASE-LEW-10155-1] c09 N71-29035

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Transistor amplifier and square wave oscillator for obtaining ac voltage from dc source	Breakaway multiwire electrical cable connector with particular application for umbilical type
[NASA-CASE-NPO-11365] CO9 N72-15204	cables
Power converters for supplying direct current	[NASA-CASE-NPO-11140] c15 N72-17455
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[NASA-CASE-XEE-11046-2] c09 N72-21251 Power converters for supplying direct current at	coupling distal ends of fluid conduits [NASA-CASE-NPO-10704] c15 N72-20445
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[NASA-CASE-XER-11046] c09 N72-22203	stage separation
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Feedback controlled dc to dc converter with	[NASA-CASE-NPO-11202] c15 N72-25450
input/output isolation for voltage regulation [NASA-CASE-BON-10792-1] c09 N72-27230	Squib actuated disconnect for spacecraft coupling to launch vehicle
[NASA-CASE-HQN-10792-1] c09 N72-27230 Isolated dc amplifier for bioelectric measurements	[NASA-CASE-NPO-13172-1] C33 N73-17917
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Direct current motor including stationary field	Servocontrol system for measuring local stresses
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[NASA-CASE-MSC-12396-1] c03 N73-31988 DIRECT POWER GENERATORS	signal with respect to presence or absence of second signal at time of occurrence of first
Direct conversion of thermal energy into	signal
electrical energy using crossed electric and	[NASA-CASE-XMF-00701] c09 N70-40272
magnetic fields [NASA-CASE-XLE-00212]	Difference indicating circuit used in conjunction with device measuring
Thermal pump-compressor for converting solar	gravitational fields
energy	[NASA-CASE-XNP-08274] c10 N71-13537
[NASA-CASE-XLA-00377] c33 N71-17610 Converting output of positive dc voltage source	Describing frequency discriminator using digital logic circuits and supplying single binary
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[NASA-CASE-XMF-08217] c03 N71-23239 Unsaturating magnetic core transformer design	Circuit design for determining amount of photomultiplier tube light detection utilizing
with warning signal for electrical power	variable current source and dark current
processing equipment	signals of opposite polarity
[NASA-CASE-ERC-10125] c09 N71-24893 Power converters for supplying direct current	[NASA-CASE-XMS-03478] c14 N71-21040 Characteristics of comparator circuits for
from one voltage for another voltage for use	comparison of binary numbers in information
[NASA-CASE-XER-11046-2] c09 N72-21251	processing system
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DIRECTIONAL ANTENNAS Mechanical coordinate converter for use with spacecraft tracking antennas [NASA-CASE-XNP-00614] c14 N70-36907 Weatherproof helix antenna [NASA-CASE-XKS-068485] c07 N71-19493 Tracking antenna system with array for synchronous satellite or ground based radar [NASA-CASE-SKS-055-1553-1] c07 N71-19654 Drive system for parabolic tracking antenna with reversible motion and minimal backlash [NASA-CASE-NPO-10173] c15 N71-24696 DIRECTIONAL CONTROL Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XHP-01544] c28 N70-34162 DIRECTIONAL STABILITY Nose gear steering system for vehicles with main skids to provide directional stability after loss of aerodynamic control [NASA-CASE-XLA-01804] c02 N70-34160 DISCONNECT DEVICES Patent data on gas actuated bolt disconnect assembly [NASA-CASE-XLA-0326] c03 N70-34667 Remotely actuated quick disconnect mechanism for umbilical cables [NASA-CASE-XLA-0011] c03 N71-12258 Remotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids from ground to rocket vehicle [NASA-CASE-XLA-01396] Design and development of quick release connector [NASA-CASE-XLA-01396] Design and development of quick release connector [NASA-CASE-XLA-06914] c15 N71-21489	piston to compress light qas to extremely high pressure [NASA-CASE-MFS-20829] c12 N72-21310 Lyophilized spore dispenser for production of finely divided monoparticulate cloud of bacterial spores [NASA-CASE-LAR-10544-1] c15 N72-21477 Mechanism for dispensing precisely measured charges of potable water into reconstitution bags [NASA-CASE-MFS-21115-1] c05 N72-28097 DISPERSING Apparatus for mechanically dispersing ultrafine metal powders subjected to shock waves [NASA-CASE-XLE-04946] c17 N71-24911 DISPERSIONS Detergent with qlyceryl esthers and oil as protective coating to prevent fogging of space suit visor [NASA-CASE-MSC-13530-2] c66 N73-11107 Method for producing alkali metal dispersions of high purity [NASA-CASE-XNP-08876] c17 N73-28573 DISPLACEMENT Bimetallic fluid displacement apparatus for stirring and heating stored gases and liquids [NASA-CASE-ARC-10441-1] c15 N73-30461 DISPLACEMENT Null-type vacuum microbalance for measuring minute mechanical displacements [NASA-CASE-XAC-00472] c15 N70-40180 Development and characteristics of self-calibrating displacement transducer for measuring magnitude and frequency of displacement of bodies [NASA-CASE-XLA-00781] c09 N71-22999 Gas bearing for model support with capacity for
DIRECTIONAL ANTENNAS Nechanical coordinate converter for use with spacecraft tracking antennas [NASA-CASE-XNF-00614] c14 N70-36907 Weatherproof helix antenna [NASA-CASE-XNS-00485] c07 N71-19493 Tracking antenna system with array for synchronous satellite or ground based radar [NASA-CASE-GSC-10553-1] c07 N71-19854 Drive system for parabolic tracking antenna with reversible motion and minimal backlash [NASA-CASE-NFD-10173] c15 N71-24696 DIRECTIONAL CONTROL Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-MFD-01544] c28 N70-34162 DIRECTIONAL STABILITY Nose gear steering system for vehicles with main skids to provide directional stability after loss of aerodynamic control [NASA-CASE-XLA-01804] c02 N70-34160 DISCONNECT DEVICES Patent data on gas actuated bolt disconnect assembly [NASA-CASE-XLA-00711] c03 N70-34667 Remotely actuated quick disconnect mechanism for umbilical cables [NASA-CASE-XLA-00711] c03 N71-12258 Bemotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids from ground to rocket vehicle [NASA-CASE-XLA-01396] c03 N71-12258 Design and development of quick release connector [NASA-CASE-XLA-01141] c15 N71-13789 Split nut and bolt separation device [NASA-CASE-NLA-06144] Electrical circuit selection device for	piston to compress light qas to extremely high pressure [NASA-CASE-MFS-20829] c12 N72-21310 Lyophilized spore dispenser for production of finely divided monoparticulate cloud of bacterial spores [NASA-CASE-LAR-10544-1] c15 N72-21477 Mechanism for dispensing precisely measured charges of potable water into reconstitution bags [NASA-CASE-MFS-21115-1] c05 N72-28097 DISPERSING Apparatus for mechanically dispersing ultrafine metal powders subjected to shock waves [NASA-CASE-XLE-04946] c17 N71-24911 DISPERSIONS Detergent with glyceryl esthers and oil as protective coating to prevent fogging of space suit visor [NASA-CASE-MSC-13530-2] c66 N73-11107 Method for producing alkali metal dispersions of high purity [NASA-CASE-XNP-08876] c17 N73-28573 DISPLACEMENT Bimetallic fluid displacement apparatus for stirring and heating stored gases and liquids [NASA-CASE-ARC-10441-1] c15 N73-30461 DISPLACEMENT HEASUREMENT Null-type vacuum microbalance for measuring minute mechanical displacements [NASA-CASE-XAC-00472] c15 N70-40180 Development and characteristics of self-calibrating displacement transducer for measuring magnitude and frequency of displacement of bodies [NASA-CASE-XLA-00781] c09 N71-22999 Gas bearing for model support with capacity for measuring angular displacement of model in
DIRECTIONAL ANTENNAS Mechanical coordinate converter for use with spacecraft tracking antennas [NASA-CASE-XNP-00614] c14 N70-36907 Weatherproof helix antenna [NASA-CASE-XKS-068485] c07 N71-19493 Tracking antenna system with array for synchronous satellite or ground based radar [NASA-CASE-SKS-055-1553-1] c07 N71-19654 Drive system for parabolic tracking antenna with reversible motion and minimal backlash [NASA-CASE-NPO-10173] c15 N71-24696 DIRECTIONAL CONTROL Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XHP-01544] c28 N70-34162 DIRECTIONAL STABILITY Nose gear steering system for vehicles with main skids to provide directional stability after loss of aerodynamic control [NASA-CASE-XLA-01804] c02 N70-34160 DISCONNECT DEVICES Patent data on gas actuated bolt disconnect assembly [NASA-CASE-XLA-0326] c03 N70-34667 Remotely actuated quick disconnect mechanism for umbilical cables [NASA-CASE-XLA-0011] c03 N71-12258 Remotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids from ground to rocket vehicle [NASA-CASE-XLA-01396] Design and development of quick release connector [NASA-CASE-XLA-01396] Design and development of quick release connector [NASA-CASE-XLA-06914] c15 N71-21489	piston to compress light qas to extremely high pressure [NASA-CASE-MFS-20829] c12 N72-21310 Lyophilized spore dispenser for production of finely divided monoparticulate cloud of bacterial spores [NASA-CASE-LAR-10544-1] c15 N72-21477 Mechanism for dispensing precisely measured charges of potable water into reconstitution bags [NASA-CASE-MFS-21115-1] c05 N72-28097 DISPERSING Apparatus for mechanically dispersing ultrafine metal powders subjected to shock waves [NASA-CASE-XLE-04946] c17 N71-24911 DISPERSIONS Detergent with qlyceryl esthers and oil as protective coating to prevent fogging of space suit visor [NASA-CASE-MSC-13530-2] c66 N73-11107 Method for producing alkali metal dispersions of high purity [NASA-CASE-XNP-08876] c17 N73-28573 DISPLACEMENT Bimetallic fluid displacement apparatus for stirring and heating stored gases and liquids [NASA-CASE-ARC-10441-1] c15 N73-30461 DISPLACEMENT Null-type vacuum microbalance for measuring minute mechanical displacements [NASA-CASE-XAC-00472] c15 N70-40180 Development and characteristics of self-calibrating displacement transducer for measuring magnitude and frequency of displacement of bodies [NASA-CASE-XLA-00781] c09 N71-22999 Gas bearing for model support with capacity for
DIRECTIONAL ANTENNAS Nechanical coordinate converter for use with spacecraft tracking antennas [NASA-CASE-XNF-00614] c14 N70-36907 Weatherproof helix antenna [NASA-CASE-XNS-00485] c07 N71-19493 Tracking antenna system with array for synchronous satellite or ground based radar [NASA-CASE-GSC-10553-1] c07 N71-19854 Drive system for parabolic tracking antenna with reversible motion and minimal backlash [NASA-CASE-NPO-10173] c15 N71-24696 DIRECTIONAL CONTROL Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-NFO-01544] c28 N70-34162 DIBECTIONAL STABILITY Nose gear steering system for vehicles with main skids to provide directional stability after loss of aerodynamic control [NASA-CASE-XLA-01804] c02 N70-34160 DISCONNECT DEVICES Patent data on gas actuated bolt disconnect assembly [NASA-CASE-XLA-00326] c03 N70-34667 Remotely actuated quick disconnect mechanism for umbilical cables [NASA-CASE-XLA-00711] c03 N71-12258 Bemotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids from ground to rocket vehicle [NASA-CASE-XLA-00114] c15 N71-13789 Design and development of quick release connector [NASA-CASE-XLA-01141] c15 N71-13789 Split nut and bolt separation device [NASA-CASE-XLA-06914] Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-XRS-04631] Quick disconnect duct coupling device for	piston to compress light qas to extremely high pressure [NASA-CASE-MFS-20829] c12 N72-21310 Lyophilized spore dispenser for production of finely divided monoparticulate cloud of bacterial spores [NASA-CASE-LAR-10544-1] c15 N72-21477 Mechanism for dispensing precisely measured charges of potable water into reconstitution bags [NASA-CASE-MFS-21115-1] c05 N72-28097 DISPERSING Apparatus for mechanically dispersing ultrafine metal powders subjected to shock waves [NASA-CASE-XLE-04946] c17 N71-24911 DISPERSIONS Detergent with qlyceryl esthers and oil as protective coating to prevent fogging of space suit visor [NASA-CASE-MSC-13530-2] c66 N73-11107 Method for producing alkali metal dispersions of high purity [NASA-CASE-XNP-08876] c17 N73-28573 DISPLACEMENT Bimetallic fluid displacement apparatus for stirring and heating stored gases and liquids [NASA-CASE-ARC-10441-1] c15 N73-30461 DISPLACEMENT HEASUREMENT Null-type vacuum microbalance for measuring minute mechanical displacements [NASA-CASE-XRC-00761] c15 N70-40180 Development and characteristics of self-calibrating displacement transducer for measuring magnitude and frequency of displacement of bodies [NASA-CASE-XLA-00781] c09 N71-22999 Gas bearing for model support with capacity for measuring angular displacement of model in bearing [NASA-CASE-XLA-00784] c15 N71-28740 Method and apparatus for remote measurement of
DIRECTIONAL ANTENNAS Mechanical coordinate converter for use with spacecraft tracking antennas [NASA-CASE-XNP-00614] c14 N70-36907 Weatherproof helix antenna [NASA-CASE-XKS-008485] c07 N71-19493 Tracking antenna system with array for synchronous satellite or ground based radar [NASA-CASE-XKS-00553-1] c07 N71-19854 Drive system for parabolic tracking antenna with reversible motion and minimal backlash [NASA-CASE-SPO-010173] c15 N71-24696 DIRECTIONAL CONTROL Gimbaled partially submerged nozzle for solid propellant rocket engines for providing directional control [NASA-CASE-XHP-01544] c28 N70-34162 DIRECTIONAL STABILITY Nose qear steering system for vehicles with main skids to provide directional stability after loss of aerodynamic control [NASA-CASE-XLA-01804] c02 N70-34160 DISCONNECT DEVICES Patent data on gas actuated bolt disconnect assembly [NASA-CASE-XLA-0326] c03 N70-34667 Remotely actuated quick disconnect mechanism for umbilical cables [NASA-CASE-XLA-00326] c03 N71-12258 Bemotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids from ground to rocket vehicle [NASA-CASE-XLA-01396] c03 N71-12259 Design and development of quick release connector [NASA-CASE-XLA-01396] c10 N71-13789 Split nut and bolt separation device [NASA-CASE-XLA-06914] c15 N71-21489 Electrical circuit selection device for simulating stage separation of flight vehicle [NASA-CASE-XKS-04651] c10 N71-23663	piston to compress light qas to extremely high pressure [NASA-CASE-MFS-20829] c12 N72-21310 Lyophilized spore dispenser for production of finely divided monoparticulate cloud of bacterial spores [NASA-CASE-LAR-10544-1] c15 N72-21477 Mechanism for dispensing precisely measured charges of potable water into reconstitution bags [NASA-CASE-MFS-21115-1] c05 N72-28097 DISPERSING Apparatus for mechanically dispersing ultrafine metal powders subjected to shock waves [NASA-CASE-XLE-04946] c17 N71-24911 DISPERSIONS Detergent with qlyceryl esthers and oil as protective coating to prevent fogging of space suit visor [NASA-CASE-MSC-13530-2] c06 N73-11107 Method for producing alkali metal dispersions of high purity [NASA-CASE-XNP-08876] c17 N73-28573 DISPLACEMENT Bimetallic fluid displacement apparatus for stirring and heating stored gases and liquids [NASA-CASE-ARC-10441-1] c15 N73-30461 DISPLACEMENT Null-type vacuum microbalance for measuring minute mechanical displacements [NASA-CASE-XAC-00472] c15 N70-40180 Development and characteristics of self-calibrating displacement transducer for measuring magnitude and frequency of displacement of bodies [NASA-CASE-XLA-00781] c09 N71-22999 Gas bearing for model support with capacity for measuring angular displacement of model in bearing [NASA-CASE-XLA-00786] c15 N71-28740

DISPLAY DEVICES	[NASA-CASE-KSC-10698] c07 N73-20175
Integrated time shared instrumentation display	DISTILLATION EQUIPMENT
for aerospace vehicle simulators	Utilization of solar radiation by solar still
[NASA-CASE-XLA-01952] c08 N71-12507 Data processing and display system for terminal	for converting salt and brackish water into potable water
quidance of X-15 aircraft	[NASA-CASE-XMS-04533] c15 N71-23086
[NASA-CASE-XFR-00756] c02 N71-13421	Purification apparatus for vaporization and
Fluidic-thermochromic display device	fractional distillation of liquids
[NASA-CASE-ERC-10031] c12 N71-18603	[NASA-CASE-XNP-08124] c15 N71-27184
Cathode ray tube system for displaying ones and	System for recovering oxygen and/or water from
zeros in binary wave train [NASA-CASE-XGS-04987] c08 N71-20571	extraterrestrial soil and iron oxide materials [NASA-CASE-MSC-12332-1] c15 N72-15476
Optical projector system for establishing	U shaped heated tube for distillation and
optimum arrangement of instrument displays in	purification of liquid metals
aircraft, spacecraft, other vehicles, and	[NASA-CASE-XNP-08124-2] c06 N73-13129
industrial instrument consoles	DISTRIBUTED AMPLIFIERS
[NASA-CASE-XNP-03853] c23 N71-21882 Optical monitor panel consisting of translucent	Broadband distribution amplifier with
screen with test or meter information	complementary pair transistor output stages [NASA-CASE-NPO-10003] c10 N71-26415
projected onto it from rear for application in	DIVERGENT NOZZLES
control rooms of missile launching and	Shrouded divergent body attached to exhaust
tracking stations	nozzle for jet noise suppression
[NASA-CASE-XKS-03509] c14 N71-23175 Binary to decimal decoder logic circuit design	[NASA-CASE-LEW-11286-1] c02.N73-21066
with feedback control and display device	DIVIDING (MATHEMATICS) Asynchronous binary array divider for
[NASA-CASE-XKS-06167] CO8 N71-24890	computerized division operations
Noninterruptable digital counter circuit design	[NASA-CASE-ERC-10180] c08 N70-11132
with display device for pulse frequency	DOCUMENT STORAGE
modulation [NASA-CASE-XNP-09759] c08 N71-24891	Describing device for flagging punched business cards
Data acquisition system for converting displayed	[NASA-CASE-XLA-02705] c08 N71-15908
analog signal to digital values	DOORS COO MY 1 13500
[NASA-CASE-NPO-10344] c10 N71-26544	Design and specifications of emergency escape
Plasma-fluidic hybrid display system combining	system for spacecraft structures
high brightness and memory characteristics [NASA-CASE-ERC-10100] c09 N71-33519	[NASA-CASE-MSC-12086-1] c05 N71-12345 DOPPLER EFFECT
System for digitizing graphic displays	Doppler frequency shift correction device for
[NASA-CASE-NPO-10745] c08 N72-22164	multiplex communication with Applications
Digital video system for displaying image and	Technology Satellites
alphanumeric data on cathode ray tube	[NASA-CASE-XGS-02749] c07 N69-39978
[NASA-CASE-NPO-11342] c09 N72-25248 Development of apparatus for mounting scientific	Describing laser Doppler velicometer for
experiments in spacecraft to permit	measuring mean velocity and turbulence of fluid flow
utilization without maneuvering spacecraft	[NASA-CASE-MFS-20386] c21 N71-19212
[NASA-CASE-MSC-12372-1] c31 N72-25842	System for measuring velocities of radiating
Development of laser illuminated device for	particles based on Doppler shift
displaying conditions of cylindrical surfaces in two dimensions	[NASA-CASE-HQN-10740-1]
[NASA-CASE-NPO-11861-1] c14 N72-28461	Doppler compensated communication system for locating supersonic transport position
Rotating generator for angular display of	[NASA-CASE-GSC-10087-4] c07 N73-20174
television raster in horizontal and visual	Laser Doppler velocimeter for simultaneously
simulation systems [NASA-CASE-FRC-10071-1] c07 N73-14171	measuring orthogonal fluid velocity components
[NASA-CASE-FRC-10071-1] c07 N73-14171 Development and characteristics for	without flow field perturbation [NASA-CASE-ARC-10637-1] c14 N73-21390
automatically displaying digits in any desired	DOPPLER RADAR
order using optical techniques	Cooperative Doppler radar system for avoiding
[NASA-CASE-XKS-00348] c09 N73-14215	midair collisions
Situational display system of cathode ray tubes	[NASA-CASE-LAR-10403] c21 N71-11766
to assist pilot in aircraft control [NASA-CASE-ERC-10350] c14 N73-20474	DOSIMETERS Development of dosimeter for measuring absorbed
Multichannel medical monitoring system to	dose of high energy ionizing radiation
measure physiological parameters from display	[NASA-CASE-XLA-03645] C14 N71-20430
device at remote control station	DRAG CHUTES
[NASA-CASE-MSC-14180-1] c05 N73-22045 Device for displaying and recording angled views	Deployment system for flexible wing with rigid superstructure
of samples to be viewed by microscope	[NASA-CASE-XLA-01220] c02 N70-41863
[NASA-CASE-GSC-11690-1] c14 N73-28499	Development and characteristics of parachute
Alphanumeric character display device for	fabric for aerodynamic decelerator using
oscilloscopes	lightweight, variable solidity, knitted material
[NASA-CASE-GSC-11582-1] c09 N73-32120 Transparent switchboard which permits optical	[NASA-CASE-LAR-10776-1] c02 N72-21004 DRAG MEASUREMENT
display devices to be adapted for use in man	Device for measuring drag forces in flight tests
machine communications	[NASA-CASE-XLA-00113] c14 N70-33386
[NASA-CASE-MSC-13746-1] c10 N73-32143	Electric analog for measuring induced drag on
DISSIPATION Politics populator contact for	nonplanar airfoils
Dissipative voltage regulator system for minimizing heat dissipation	[NASA-CASE-XLA-00755] c01 N71-13410 Electric analog for measuring induced drag on
[NASA-CASE-GSC-10891-1] c10 N71-26626	nonplanar airfoils
DISSOLVING	[NASA-CASE-XLA-05828] c01 N71-13411
Apparatus for mixing two or more liquids under	Impact energy absorber with decreasing
zero gravity conditions [NASA-CASE-LAR-10195-1] c15 N73-19458	absorption rate
[NASA-CASE-LAR-10195-1] c15 N73-19458 DISTANCE MEASURING EQUIPMENT	[NASA-CASE-XLA-01530] c14 N71-23092 DRAG REDUCTION
Binary coded sequential acquisition ranging	Directed fluid stream for propeller blade
system for distance measurements	loading control
[NASA-CASE-NPO-11194] c08 N72-25209	[NASA-CASE-XAC-00139] c02 N70-34856
Apparatus for determining distance to lighting strokes from single station by magnetic and	Aircraft wheel spray drag alleviator for dual
electric field sensing antennas	tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825
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SUBJECT INDEX DRIFT (INSTRUMENTATION)

DRIFT (INSTRUMENTATION)	applied in axial direction
Automatic measuring and recording of gain and	[NASA-CASE-MSC-15626-1] c14 N72-25411 DYNAMIC MODULUS OF ELASTICITY
zero drift characteristics of electronic amplifier	Apparatus for testing metallic and nonmetallic
[NASA-CASE-XMS-05562-1] c09 N69-39986	beams or rods by bending at high temperatures
Solar radiation direction detector and device	in vacuum or inert atmosphere [NASA-CASE-XLE-01300] c15 N70-41993
for compensating degradation of photocells [NASA-CASE-XLA-00183] c14 N7C-40239	DYNAMIC RESPONSE
DRILL BITS	Lunar and planetary gravity simulator to test
Impact bit for cutting, collecting, and storing samples such as lunar rock cuttings	vehicular response to landing [NASA-CASE-XLA-00493] c11 N70-34786
[NASA-CASE-XNP-01412] c15 N7C-42034	Pressure sensor network for measuring liquid
DRILLS	dynamic response in flight including fuel tank
Rotary impact-type rock drill for recovering rock cuttings	acceleration, liquid slosh amplitude, and fuel depth monitoring
[NASA-CASE-XNP-07478] c14 N69-21923	[NASA-CASE-XLA-05541] c12 N71-26387
Auger-type soil penetrometer for burrowing into	Response analyzing apparatus for liquid vapor interface sensor of sloshing rocket propellant
soil formations [NASA-CASE-XNP-05530] c14 N73-32321	[NASA-CASE-MFS-11204] c14 N71-29134
DRIVES	DYNAMIC STRUCTURAL ANALYSIS
Inverter drive circuit for semiconductor switch [NASA-CASE-LEW-10233] c10 N71-27126	Development of system for measuring damping characteristics of structure or system
DROPS (LIQUIDS)	subjected to random forces or influnces
Development of droplet monitoring probe for use	[NASA-CASE-ARC-10154-1] c14 N72-22440 DYNAMIC TESTS
in analysis of droplet propagation in mixed-phase fluid stream	Hydraulic support equipment for full scale
[NASA-CASE-NPO-10985] c14 N73-20478	dynamic testing of large rocket vehicle under
DRUGS Self-scanning chromatographic-fluorographic drug	free flight conditions [NASA-CASE-XMF-01772] c11 N70-41677
detector with optical readout system	Hydraulic support apparatus for dynamic testing
[NASA-CASE-ARC-10633-1] c05 N73-22048	of space vehicles under near-free flight
DRY CELLS Energy source with tantalum capacitors in	conditions [NASA-CASE-XMF-03248] c11 N71-10604
parallel and miniature silver oxide button	DYNAMONETERS
cells for initiating pyrotechnic devices on spacecraft and rocket vehicles	Dynamometer measuring microforce thrust produced by ion engine
[NASA-CASE-LAR-10367-1] c03 N70-26817	[NASA-CASE-XLE-00702] c14 N70-40203
DRYING	Development of thrust dynamometer for measuring
Drying chamber for photographic sheet material [NASA-CASE-GSC-11074-1] c14 N73-28489	performance of jet and rocket engines [NASA-CASE-XLE-05260] c14 N71-20429
DRYING APPARATUS	
Gas purged dry box glove reducing permeation of air or moisture into dry box or isolator by	E
diffusion through glove	EAR
4	
[NASA-CASE-XLE-02531] c05 N71-23080	Ear oximeter for monitoring blood oxygenation
DUCTS	and pressure, pulse rate, and pressure pulse
DUCTS Quick disconnect duct coupling device for single-handed operation	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185
DUCTS Quick disconnect duct coupling device for single-handed operation [NASA-CASE-HFS-20395] c15 N71-24903	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE
DUCTS Quick disconnect duct coupling device for single-handed operation	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths
OUCTS Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres
OUCTS Quick disconnect duct coupling device for single-handed operation [NASA-CASE-HFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 EARTH ORBITS
OUCTS Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-HFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 EARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during
Outck disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-HFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DUE LASERS	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 EARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASERS Development of laser head for simultaneous optical pumping of several dye lasers	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATHOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit
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Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DVE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DVES	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-EEC-10419] c21 N72-21631
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 EARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 EFFICIENCY Recovering efficiency of solar cells damaged by
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASES Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 EARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-HFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 EFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASES Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XMF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for qas pressure or density	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062 EJECTION
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XMF-02221] c18 N71-27170 DYNAHIC CHARACTERISTICS	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 EARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 EARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-HFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 EFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASES Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XHF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XAC-02877] c14 N70-41681 Design of precision vertical alignment system	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECOMOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ECC-10419] c21 N72-21631 BPFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XSE-04047-2] c03 N72-11062 BJECTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XHR-044132] c15 N69-27502
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DIE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DIES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XMF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XMF-022877] c14 N70-41681 Design of precision vertical alignment system using laser with gravitationally sensitive	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATHOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS ECONOMIC ANALYSIS ECONOMICA Satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062 BJECTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XMF-04132] c15 N69-27502 EJECTION SEATS
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DVE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DVES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XHF-02221] c18 N71-27170 DVNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XAC-02877] c14 N70-41681 Design of precision vertical alignment system using laser with gravitationally sensitive cavity [NASA-CASE-ARC-10444-1] c16 N73-33397	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MFS-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ECC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XSG-04047-2] c03 N72-11062 BJBCTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XHT-04132] c15 N69-27502 BJECTION SEATS Ejector for separating astronaut from ejection seat during prelaunch or initial launch phase
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DIE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DIES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XMF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XMC-02877] c14 N70-41681 Design of precision vertical alignment system using laser with gravitationally sensitive cavity [NASA-CASE-ARC-10444-1] c16 N73-33397 DYNAHIC LOADS	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATHOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS ECONOMIC ANALYSIS ECONOMICA Satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 EFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062 BJECTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XMF-04132] c15 N69-27502 BJECTION SEATS Ejector for separating astronaut from ejection seat during prelaunch or initial launch phase of flight
Ouick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DYE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DYES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XMF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XAC-02877] c14 N70-41681 Design of precision vertical alignment system using laser with gravitationally sensitive cavity [NASA-CASE-ARC-10444-1] c16 N73-33397 DYNAMIC LOADS Multilequed support system for wind tunnel test models subjected to thermal dynamic loading	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MFS-12391] c30 N73-12884 ECONOMIC ANALYSIS Economical satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ECC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XSG-04047-2] c03 N72-11062 BJBCTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XHT-04132] c15 N69-27502 BJECTION SEATS Ejector for separating astronaut from ejection seat during prelaunch or initial launch phase
Quick disconnect duct coupling device for single-handed operation [NASA-CASE-MFS-20395] c15 N71-24903 DUST COLLECTORS Device for removing plastic dust cover from digital computer disk packs for inspection and cleaning [NASA-CASE-LAR-10590-1] c15 N70-26819 Cosmic dust analyzer using ion time of flight techniques to determine constituency of hypervelocity particles such as micrometeroids [NASA-CASE-MSC-13802-1] c30 N72-20805 DIE LASERS Development of laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1] c16 N73-25564 Infrared tunable dye laser with nonlinear wavelength mixing crystal in optical cavity [NASA-CASE-ARC-10463-1] c09 N73-32111 DIES Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid oxygen [NASA-CASE-XHF-02221] c18 N71-27170 DYNAMIC CHARACTERISTICS Dynamic sensor for gas pressure or density measurement [NASA-CASE-XHC-02877] c14 N70-41681 Design of precision vertical alignment system using laser with gravitationally sensitive cavity [NASA-CASE-ARC-10444-1] c16 N73-33397 DYNAMIC LOADS Multileqded support system for wind tunnel test models subjected to thermal dynamic loading [NASA-CASE-XLA-01326] c11 N77-21481	and pressure, pulse rate, and pressure pulse curve, using dc and ac amplifiers [NASA-CASE-XAC-05422] c04 N71-23185 BARTH ATMOSPHERE Ablation sensor for measuring surface ablation rate of material on vehicles entering earths atmosphere on entry into planetary atmospheres [NASA-CASE-XIA-01791] c14 N71-22991 BARTH ORBITS Electric furnace for vacuum and zero gravity melting of high melting point materials during earth orbit [NASA-CASE-MFS-20710] c11 N72-23215 Design and development of space shuttle system for delivering payload to earth orbit or celestial orbit [NASA-CASE-MSC-12391] c30 N73-12884 ECONOMIC ANALYSIS ECONOMIC ANALYSIS ECONOMICA Satellite aided vehicle avoidance system for preventing midair collisions [NASA-CASE-ERC-10419] c21 N72-21631 BFFICIENCY Recovering efficiency of solar cells damaged by environmental radiation through thermal annealing [NASA-CASE-XGS-04047-2] c03 N72-11062 BJECTION Apparatus for ejecting covers of instrument packages using differential pressure principle [NASA-CASE-XMF-04132] c15 N69-27502 BJECTION SEATS Ejector for separating astronaut from ejection seat during prelaunch or initial launch phase of flight [NASA-CASE-XMS-04625] c05 N71-20718 BJECTORS Automatic ejection valve for attitude control
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SUBJECT INDEX ELECTRIC COMDUCTORS

Latching mechanism with pivoting catch and self-contained spring ejector	Sealed electric storage battery with gas
[NASA-CASE-XLA-03538] c15 N71-24897	manifold interconnecting each cell
BLASTIC BODIES	[MASA-CASE-XNP-03378] CO3 N71-1 Battery charging system with cell to cell
Belleville spring assembly with elastic guides	v oltage balance
having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504	[NASA-CASE-XGS-05432] c03 N71-1
Development of systems for automatically and	Development and characteristics of battery charging circuits with coulometer for contr
continually suppressing or attenuating bending	of available current
motion in elastic bodies	[NASA-CASE-GSC-10487-11
[NASA-CASE-XAC-05632] c32 N71-23971 Device for measuring tensile forces applied to	Heat activated emf cells with aluminum anode
tension members	[NASA-CASE-LEW-11359] c03 N71-2
[NASA-CASE-MFS-21728-1] c14 N73-25467	Design and characteristics of electric storage battery with wedge-shaped contour negative
ELASTIC DEFORMATION	plates to prevent malfunctions due to
Measuring shear-creep compliance of solid and	shape-change phenomenon
liquid materials used in spacecraft components [NASA-CASE-XLE-01481] c14 N71-10781	[NASA-CASE-NPO-10720-1] c03 N72-2
Development of systems for automatically and	Development of device for simulating charge a
continually suppressing or attenuating bending	discharge cycle of battery in synchronous o
motion in elastic bodies	Development of Mylar enclosure for maintainin
[NASA-CASE-XAC-05632] c32 N71-23971 ELASTIC MEDIA	temperature of balloon-borne batteries and
Miniature vibration isolator utilizing elastic	electronic modules
tubing material	[NASA-CASE-GSC-11620-1] c14 N72-3
[NASA-CASE-XLA-01019] c15 N70-40156	Development of test probe device for simultaneous determination of condition of
ELASTIC PROPERTIES	cells in multi-cell storage battery
Elastic universal joint for rocket motor mounting [NASA-CASE-XNP-00416] c15 N70-36947	[NASA-CASE-MFS-20761-1] c03 N73-1
Resilient vehicle wheel for lunar surface travel	Development of timing device for conserving
[NASA-CASE-MFS-20400] c31 N71-18611	batteries on remote data collection platfor
Threadless fastener apparatus comprising	by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-3.
receiving apertures for plurality of articles.	ELECTRIC BRIDGES
self-locked condition, and capable of using nonmalleable materials in both ends	Transducer and frequency discriminator circui-
[NASA-CASE-XFR-05302] c15 N71-23254	with four-terminal circulating diode bridge
Chemical and elastic properties of fluorinated	[NASA-CASE-ARC-10364-1] c10 N72-2
polyurethanes	Pulsed excitation voltage circuit for strain gage bridge transducers
[NASA-CASE-NPO-10767-1] c06 N73-33076	[NASA-CASE-FRC-10036] c09 N72-22
BLASTIC SHEETS	Bridge-type gain control circuit
Hot forming of plastic sheets [NASA-CASE-XMS-05516] c15 N71-17803	[NASA-CASE-GSC-10786-1] c10 N72-28
[NASA-CASE-XMS-U5516] c15 N71-17803 Flastic mandrel fabrication of thin bottom walls	ELECTRIC CELLS
with cavities for temperature measurement	Expanding and contracting connector strip for solar cell array of Nimbus satellite
[NASA-CASE-LAR-10318-1] c14 N72-20396	[NASA-CASE-XGS-01395] CO3 N69-2
ELASTOMERS	Design and characteristics of heat activated
Elastomer loaded with metal particles for elastic biomedical electrodes	electric cell with anode made from one or mo
[NASA-CASE-ARC-10268-1] c09 N70-12620	alkali metals and cathode made from oxidizing
Compressible elastomeric material with	material [NASA-CASE-LEW-11358] c03 N71-26
predetermined modulus of elasticity and	Development and characteristics of ion-exchange
controlled resiliency	membrane and electrode assembly for fuel cel
[NASA-CASE-NPO-10853] c18 N70-34685 Describing metal valve pintle with encapsulated	or electrolysis cells
elastomeric body	[NASA-CASE-XMS-02063] c03 N71-29 ELECTRIC CHARGE
[NASA-CASE-MSC-12116-1] c15 N71-17648	Indicator device for monitoring charge of wet
Development of apparatus for measuring	cell battery, using semiconductor light
successive increments of strain on elastomers	emitter and photodetector
[NASA-CASE-XMF-04680] c15 N71-19489	[NASA-CASE-NPO-10194] c03 N71-20
Preparation of elastomeric diamine silazane polymers	Automatically charging battery of electric
[NASA-CASE-XMF-04133] cC6 N71-20717	Storage cells
Leak resistant bonded elastomeric seal for	[NASA-CASE-XNP-04758] c03 N71-24 BLECTRIC CHOPPERS
secondary electrochemical cells	Monostable multivibrator for conserving power
[NASA-CASE-XGS-02631] c03 N71-23006	spacecraft systems
Magnetically diffused radial electric arc heater	[NASA-CASE-GSC-10082-1] c10 N72-20
[NASA-CASE-XLA-00330] c33 N70-34540	ELECTRIC COILS
Controlled arc spot welding method	Broadband chokes and absorbers to reduce spurious radiation patterns of antenna array
[NASA-CASE-XMF-00392] C15 N70-34814	caused by support structures
Triqqering system for electric arc driven	[NASA-CASE-XMS-05303] c07 N69-27
impulse wind tunnel [NASA-CASE-XMF-00411] c11 N70-36913	ELECTRIC CONDUCTORS
[NASA-CASE-XMF-00411] c11 N70-36913 Electric arc device for minimizing electrode	Hollow spherical electrode for shielding
ablation and heating gases to supersonic or	dielectric junction between high voltage conductor and insulator
hypersonic wind tunnel temperatures	[NASA-CASE-XLE-03778] c09 N69-21
[NASA-CASE-XAC-00319] c25 N70-41628	Conductor for connecting parallel cells into
Electric arc heater with supersonic nozzle and	submodules in series to form solar cell matr.
fixed arc length for use in high temperature wind tunnels	[NASA-CASE-NPO-10821] c03 N71-19
[NASA-CASE-XAC-01677] c09 N71-20816	Electrical switching device comprising
Arc electrode of graphite with tantalum ball tin	conductive liquid confined within square loo
Fulca cage was augusted built tip	of deformable nonconductive tubing also used for leveling
[NASA-CASE-XLE-04788] c09 N71-22987	
Nonconsumable metal electric arc electrodes for	[NASA-CASE-NPO-10037] CO9 N71-196
Nonconsumable metal electric arc electrodes for producing solar simulator radiation source	Dry electrode design with wire sandwiched
Nonconsumable metal electric arc electrodes for producing solar simulator radiation source [NASA-CASE-LEW-11162-1] c09 N71-34210	Dry electrode design with wire sandwiched between two flexible conductive discs for
Nonconsumable metal electric arc electrodes for producing solar simulator radiation source	Dry electrode design with wire sandwiched

ELECTRIC CONNECTORS SUBJECT INDEX

Development of process for forming insulating	Separable flat cable connector with isolated
layer between two electrical conductor or	electrical contacts [NASA-CASE-MFS-20757] c09 N72-28225
semiconductor materials [NASA-CASE-LEW-10489-1] c15 N72-25447	ELECTRIC CONTROL
Controlled distribution of electrophoretic samples in flow path through conductive screens	Switching series regulator with gating control network
[NASA-CASE-MFS-21395-1] c14 N72-27425	[NASA-CASE-XMS-09352] c09 N71-23316
Coaxial electrical conductor for high gamma flux	ELECTRIC CURRENT
locations of thermionic converter [NASA-CASE-LEW-10950-1]	Constant current source having two matched transistors
[NASA-CASE-LEW-10950-1] c09 N72-31239 Improved injector with porous plug for bubbles	[NASA-CASE-NPO-10733] c09 N70-35631
of gas into feed lines of electrically	Including didymium hydrate in nickel hydroxide
conductive liquid	of positive electrode of storage batteries to
[NASA-CASE-NPO-11377] c15 N73-27406	increase ampere hour capacity [NASA-CASE-XGS-03505] c03 N71-10608
BLECTRIC CONNECTORS Distribution of currents to circuits using	Development of in-line fuse device for
electrical adaptor	protection of electric circuits from excessive
[NASA-CASE-XLA-01288] C09 N69-21470	currents and voltages [NASA-CASE-MSC-12135-1] c09 N71-12526
Fixture for simultaneously supporting several	[NASA-CASE-MSC-12135-1] c09 N71-12526 Micromicroampere current measuring circuit, with
components for electrical testing [NASA-CASE-XNP-06032] c09 N69-21926	two subminiature thermionic diodes with
Releasable coupling device designed to receive	filament cathodes
and retain matching ends of electrical	[NASA-CASE-XNP-00384] c09 N71-13530
connectors [NASA-CASE-XMS-07846-1] c09 N69-21927	Connector internal force gage for measuring strength of electrical connection
[NASA-CASE-XMS-07846-1] C09 N69-21927 Electrical feedthrough connection for printed	[NASA-CASE-XNP-03918] C14 N71-23087
circuit boards	Electric circuit for producing high current
[NASA-CASE-XMF-01483] c14 N69-27431	pulse having fast rise and fall time
Electrical connector pin with wiping action to	[NASA-CASE-XMS-04919] c09 N71-23270 Electric circuit for reversing direction of
assure reliable contact	current flow
[NASA-CASE-XMF-04238] C09 N69-39/34 Rectangular electric conductors for conductor	[NASA-CASE-XNP-00952] c10 N71-23271
cables to withstand spacecraft vibration and	Maintaining current flow through solar cells
controlled atmosphere	with open connection using shunting diode
[NASA-CASE-MFS-14741] c09 N70-20737 Patent data on terminal insert connector for	[NASA-CASE-XLE-04535] c03 N71-23354 Color television system utilizing single qun
flat electric cables	current sensitive color cathode ray tube
[NASA-CASE-XMF-00324] c09 N70-34596	[NASA-CASE-ERC-10098] C09 N71-28618
Electric connector for printed cable to printed	Current dependent variable inductance for input
cable or to printed board INASA-CASE-XMF-003691 c09 N70-36494	filter chokes of ac or dc power supplies [NASA-CASE-ERC-10139] c09 N72-17154
[NASA-CASE-XMF-00369] C09 N70-36494 Electrical connection for printed circuits on	Amplifying circuit with constant current source
common board, using bellows principle in rivet	for accumulator load and high gain voltage
[NASA-CASE-XNP-05082] C15 N70-41960	amplification
Method of making molded electric connector for	[NASA-CASE-NPO-11023] CO9 N72-17155 Commutator for steering precisely controlled
use with flat conductor cables [NASA-CASE-XMF-03498] c15 N71-15986	bidirectional currents through numerous loads
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Device for voltage conversion using controlled	[NASA-CASE-NPO-11210] c11 N72-20244
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output voltage [NASA-CASE-MFS-10068] c10 N71-25139	[NASA-CASE-XGS-07805] c15 N72-33476
Multiple varactor for generating high	Speed control system for dc motor equipped with
frequencies with high power and high	brushless Hall effect device
conversion efficiency	[NASA-CASE-MFS-20207-1] c09 N73-32107 ELECTRIC NETWORKS
[NASA-CASE-XHP-04958-1] c10 N71-26414 Circuit design for failure sensing and	Electric network for monitoring temperatures,
protecting low voltage electric generator and	detecting critical temperatures, and
power transmission networks	indicating critical time duration [NASA-CASE-XMF-01097] c10 N71-16058
[NASA-CASE-GSC-10114-1] c10 N71-27366	[NASA-CASE-XMF-01097] c10 N71-16058 Development and characteristics of single or
Electric power system with thermionic diodes and circulatory liquid metal coolant lines	doubl pulse generator which produces constant
[NASA-CASE-MFS-14114] c33 N71-27862	width pulses in nanosecond region
Power converters for supplying direct current at	[NASA-CASE-XGS-03427] c10 N71-23029 Switching series regulator with gating control
one voltage from source at another voltage [NASA-CASE-XER-11046] c09 N72-22203	network
Inductive-capacitive loops as load insensitive	[NASA-CASE-XMS-09352] c09 N71-23316
power converters	Broadband frequency discriminator with resistive
[NASA-CASE-ERC-10268] CO9 N72-25252 Dc to ac to dc converter with transistor driven	captive inductive networks [NASA-CASE-NPO-10096] c07 N71-24583
synchronous rectifiers	ELECTRIC POTENTIAL
[NASA-CASE-GSC-11126-1] c09 N72-25253	Battery charging system with cell to cell
Feedback controlled dc to dc converter with	voltage balance
input/output isolation for voltage regulation [NASA-CASE-HQN-10792-1] c09 N72-27230	[NASA-CASE-XGS-05432] c03 N71-19438 Conversion of positive dc voltage to positive dc
Device for converting electromagnetic wave	voltage of lower amplitude
energy into electric power	[NASA-CASE-XMF-14301] c09 N71-23188
[NASA-CASE-GSC-11394-1] c09 N73-32109	Solid state integrator for converting variable
Brushless electromechanical generator for sine and cosine functions	width pulses into analog voltage [NASA-CASE-XLA-03356] c10 N71-23315
[NASA-CASE-LAR-11389-1] C09 N73-32121	Device for monitoring voltage by generating
BLECTRIC IGNITION	signal when voltages drop below predetermined
Method of making solid propellant rocket motor	value [NASA-CASE-KSC-10020] c10 N71-27338
having reliable high altitude capabilities, long shelf life, and capable of firing with	Transmitter receiver system for measuring
nozzle closure with foamed plastic permanent	millivolt electrical signals with high common
mandrel 00 W74 00770	mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205
[NASA-CASE-XLA-04126] c28 N71-26779 ELECTRIC MOTORS	[NASA-CASE-XLE-03155-2] c09 N72-20205 Plotter device for automatically drawing
Automatic control of voltage supply to direct	equipotential lines on sheet of resistance paper
current motor	[NASA-CASE-NPO-11134] c09 N72-21246
[NASA-CASE-XMS-04215-1] c09 N69-39987	Pulsed excitation voltage circuit for strain gage bridge transducers
Electronic circuit system for controlling electric motor speed	[NASA-CASE-FRC-10036] c09 N72-22200
[NASA-CASE-XMF-01129] c09 N70-38712	Power converters for supplying direct current at
Using electron beam switching for brushless	one voltage from source at another voltage [NASA-CASE-XER-11046] c09 N72-22203
motor commutation [NASA-CASE-XGS-01451] c09 N71-10677	Continuously variable, voltage-controlled phase
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regenerative braking of electric motor	[NASA-CASE-NPO-11129] c09 N72-33204
[NASA-CASE-XMF-01096] c10 N71-16030	Development of test probe device for simultaneous determination of condition of
Describing angular position and velocity sensing apparatus	cells in multi-cell storage battery
[NASA-CASE-XGS-05680] C14 N71-17585	[NASA-CASE-MFS-20761-1] c03 N73-17037
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reversible motor control [NASA-CASE-XLA-09371] c10 N71-18724	coincident current, magnetic core memory with
Stepping motor control apparatus exciting	reduced bit switching current and increased
windings in proper time sequence to cause	word switching current for lower power
motor to rotate in either direction [NASA-CASE-GSC-10366-1] c10 N71-18772	dissipation [NASA-CASE-ERC-10166] c08 N70-22136
Electromagnetic braking arrangement for	Switching circuit with regeneratively connected
controlling rotor rotation in electric motor	transistors eliminating power consumption when
[NASA-CASE-XNP-06936] c15 N71-24695 Electric motor control system with pulse width	not in use [NASA-CASE-XNP-02654] c10 N70-42032
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seeking servo	amounts of electrical power during high
[NASA-CASE-XMF-05195] c10 N71-24861	voltage power supply tests [NASA-CASE-XNP-05381] c09 N71-20842
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operates on direct current [NASA-CASE-XGS-05290] c09 N71-25999	conversion system using solid state switches
Circuits for controlling reversible dc motor	of electrical currents to load for Seebeck
[NASA-CASE-XNP-07477] c09 N71-26092	effect compensation
Pulse duration control device for driving slow response time loads in selected sequence	[NASA-CASE-NPO-11388] c03 N72-23048 Development of electrical circuit for
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magnetic storage	operating in resonant mode
[NASA-CASE-XGS-04224] c10 N71-26418	[NASA-CASE-ERC-10403-1] c10 N73-26228 Powerplexer for distribution of dc power levels
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[NASA-CASE-MFS-14610] CO9 N71-28886	[NASA-CASE-MSC-12396-1] c03 N73-31988
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[NASA-CASE-NPO-10242] CO9 N71-24803	Pulse generating circuit for operation at very
Circuit design for failure sensing and	high duty cycles and repetition rates [NASA-CASE-XNP-00745] c10 N71-28960
protecting low voltage electric generator and power transmission networks	High dc switch for causing abrupt, cyclic,
[NASA-CASE-GSC-10114-1] c10 N71-27366	decreases of current to operate under zero or
Remote sensing equipment to ensure efficiency in	varying gravity conditions
microwave electric power transmission to	[NASA-CASE-LEW-10155-1] c09 N71-29035
remote receiving stations	Zero power telemetry actuated switch for
[NASA-CASE-MFS-21470-1] c10 N73-20257	biomedical equipment
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Electric propulsion engine test chamber	[NASA-CASE-MFS-14216] c14 N73-13418
[NASA-CASE-XLE-00252] c11 N70-34844	ELECTRIC TERMINALS
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Pulse-forming circuit for fast sweep out of	assure reliable contact [NASA-CASE-XMF-04238] c09 N69-39734
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[NASA-CASE-NPO-10674] c10 N70-22132	Patent data on terminal insert connector for flat electric cables
RC transistor circuit to indicate each pulse of pulse train and occurrence of nth pulse	[NASA-CASE-XMF-00324] c09 N70-34596
[NASA-CASE-XMF-00906] CO9 N70-41655	Tool attachment for spreading or moving away
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doubl pulse generator which produces constant	to solder cups of multiple terminal block
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[NASA-CASE-XGS-03427] c10 N71-23029	Development of electric connector and pin
Solid state integrator for converting variable	assembly with radio frequency absorbing sleeve
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[NASA-CASE-XLA-03356] c10 N71-23315	[NASA-CASE-XLA-02609] c09 N72-25256
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[NASA-CASE-XNP-06234] c10 N71-27137	[NASA-CASE-LAR-10103-1] c15 N73-14468
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rectifying incoming electrical signals having	producing metal bonds with superior mechanical
positive or negative polarity with only	and structural characteristics
positive output signals	[NASA-CASE-LAR-11072-1] c15 N73-20535
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Transmitter receiver system for measuring	blades to rotors and discs of jet engines
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millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-00023] c15 N70-33330 Control of fusion welding through use of
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-00023] c15 N70-33330 Control of fusion welding through use of thermocouple wire
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Time division multiplexer with magnetic latching	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39897 Time division multiplexer with magnetic latching relays	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MPS-06074] c15 N71-20393 Ablation sensor for measuring char layer
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-00023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] c09 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] c09 N70-38998 Alarm system design for monitoring one or more	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MPS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay cicuits	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-KLE-00023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-KLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MPS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-KLE-00023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-KLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39887 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] c07 N71-19773	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MPS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39887 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] c07 N71-19773	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] Relay circuit breaker with magnetic latching to	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39887 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] c07 N71-19773	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MPS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] C09 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] C09 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] C09 N70-38998 Alarm system design for monitoring one or more relay circuits [NASA-CASE-XMS-10984-1] c10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] c07 N71-19773 Relay circuit breaker with magnetic latching to provide conductive and nonconductive paths for	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] CO9 N72-20205 BLECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] CO9 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] CO9 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] C07 N71-19773 Relay circuit breaker with magnetic latching to provide conductive and nonconductive paths for current devices [NASA-CASE-MSC-11277] CO9 N71-29008 ELECTRIC ROCKET ENGINES	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-KLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-KLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-KLA-01913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-RC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding
millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-KLA-01913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 ELECTRICAL ENGINEERING
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] CO9 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] CO9 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] CO9 N70-38998 Alarm system design for monitoring one or more relay circuits [NASA-CASE-XMS-10984-1] c10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-SC-10373-1] c07 N71-19773 Relay circuit breaker with magnetic latching to provide conductive and nonconductive paths for current devices [NASA-CASE-MSC-11277] c09 N71-29008 ELECTRIC ROCKET ENGINES Electric rocket engine with electron bombardment ionization chamber [NASA-CASE-XNP-04124] c28 N71-21822	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-KLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-KLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-KLA-01913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 BLECTRICAL ENGINEERING Counter-divider circuit for accuracy and
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] CO9 N72-20205 BLECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] CO9 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] CO9 N70-38998 Alarm system design for monitoring one or more relay cicuits [NASA-CASE-XNS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] C07 N71-19773 Relay circuit breaker with magnetic latching to provide conductive and nonconductive paths for current devices [NASA-CASE-MSC-11277] CO9 N71-29008 BLECTRIC ROCKET ENGINES Electric rocket engine with electron bombardment ionization chamber [NASA-CASE-XNP-04124] C28 N71-21822 BLECTRIC SWITCHES	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-KLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-KLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-KLA-01913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 ELECTRICAL ENGINEBERING Counter-divider circuit for accuracy and reliability in binary circuits
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-SCC-10913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 BLECTRICAL ENGINEERING Counter-divider circuit for accuracy and reliability in binary circuits [NASA-CASE-XMF-00421] c09 N70-34502
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2] CO9 N72-20205 ELECTRIC RELAYS Spark gap type protective circuit for fast sensing and removal of overvoltage conditions [NASA-CASE-XAC-08981] CO9 N69-39897 Time division multiplexer with magnetic latching relays [NASA-CASE-XNP-00431] CO9 N70-38998 Alarm system design for monitoring one or more relay circuits [NASA-CASE-XMS-10984-1] C10 N71-19417 Time division relay synchronizer with master sync pulse for activating binary counter to produce signal identifying time slot for station [NASA-CASE-GSC-10373-1] C07 N71-19773 Relay circuit breaker with magnetic latching to provide conductive and nonconductive paths for current devices [NASA-CASE-MSC-11277] CO9 N71-29008 ELECTRIC ROCKET ENGINES Electric rocket engine with electron bombardment ionization chamber [NASA-CASE-XNP-04124] C28 N71-21822 ELECTRIC SWITCHES Thermionic diode switch for use in high temperature region to chop current from dc	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires .[NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-XLA-01913] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 BLECTRICAL ENGINEERING Counter-divider circuit for accuracy and reliability in binary circuits [NASA-CASE-XF-OW421] c09 N70-34502 Vibrating element electrometer producing high
millivolt electrical signals with high common mode potential [NASA-CASE-XIE-03155-2]	[NASA-CASE-LEW-10533-1] c15 N73-28515 BLECTRIC WIRE Apparatus for forming wire grids for electric strain gages [NASA-CASE-XLE-0C023] c15 N70-33330 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Ablation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586 Device for resistance soldering electrical leads to solder cups of multiple terminal block [NASA-CASE-XLA-01794] c15 N72-22491 Lead attachment for high temperature operation of electronic devices [NASA-CASE-ERC-10224] c09 N72-25261 Device for bending leads projecting from printed circuit boards [NASA-CASE-MFS-22133-1] c15 N73-18473 Electrically conductive wire storage in plastic capsule that allows for unfolding [NASA-CASE-LAR-10168-1] c09 N73-22151 BLECTRICAL ENGINEBRING Counter-divider circuit for accuracy and reliability in binary circuits [NASA-CASE-XMF-00421] c09 N70-34502 Vibrating element electrometer producing high conversion gain by input current control of
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[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Ablation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis alignment during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transient birefringence changes in electro-optic materials [NASA-CASE-XMF-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-NPO-11106-2] Electronic optical transfer function analyzer
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[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Abblation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLE-02008] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of measuring strength of electrical connection [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring strength of electrical connection [NASA-CASE-XNP-03918] c14 N71-23087 Voltage range selection apparatus for sensing and applying voltages to electronic instruments without loading signal source [NASA-CASE-XNS-06497] c14 N71-26244	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis aliqument during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transmient birefringence changes in electro-optic materials [NASA-CASE-XNP-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-NPO-11201] C14 N72-27409 Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-NPO-11106-2] Electronic optical transfer function analyzer using scanning image dissection system to produce representative output signal [NASA-CASE-MFS-21672-1] ELECTROACOUSTIC TRANSDUCERS Transducer for monitoring oxygen flow in respirator [NASA-CASE-FRC-10012] C14 N72-17329
[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Abbation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring strength of electrical connection [NASA-CASE-XNP-03918] c14 N71-23087 Voltage range selection apparatus for sensing and applying voltages to electronic instruments without loading signal source [NASA-CASE-XMS-06497] c14 N71-26244 ELECTRICAL PROPERTIES Voltage drift compensation circuit for	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis alignment during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transient birefringence changes in electro-optic materials [NASA-CASE-XMF-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-MSC-11106-2] Electronic optical transfer function analyzer using scanning image dissection system to produce representative output signal [NASA-CASE-MFS-21672-1] ELECTROACOUSTIC TRANSDUCERS Transducer for monitoring oxygen flow in respirator [NASA-CASE-FRC-10012] Application of acoustic transducers for
[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Ablation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring strength of electrical connection [NASA-CASE-XNP-03918] c14 N71-23087 Voltage range selection apparatus for sensing and applying voltages to electronic instruments without loading signal source [NASA-CASE-XMS-06497] c14 N71-26244 ELECTRICAL PROPERTIES Voltage drift compensation circuit for analog-to-digital converter	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis alignment during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transient birefringence changes in electro-optic materials [NASA-CASE-XMF-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-MSC-12293-1] Electro-optical transfer function analyzer using scanning image dissection system to produce representative output signal [NASA-CASE-MFS-21672-1] C23 N73-22630 ELECTROACOUSTIC TRANSDUCERS Transducer for monitoring oxygen flow in respirator [NASA-CASE-FRC-10012] Application of acoustic transducers for suspending object at center of chamber under
[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Ablation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLE-02008] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring strength of electrical connection [NASA-CASE-XNP-03918] c14 N71-23087 Voltage range selection apparatus for sensing and applying voltages to electronic instruments without loading signal source [NASA-CASE-XNS-06497] c14 N71-26244 ELECTRICAL PROPERTIES Voltage drift compensation circuit for analog-to-digital converter [NASA-CASE-XNP-047860] c08 N71-19687	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis aliqument during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transient birefringence changes in electro-optic materials [NASA-CASE-XNP-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-NPO-11106-2] Electronic optical transfer function analyzer using scanning image dissection system to produce representative output signal [NASA-CASE-MSC-12672-1] BLECTROACOUSTIC TRANSDUCERS Transducer for monitoring oxygen flow in respirator [NASA-CASE-FRC-10012] Application of acoustic transducers for suspending object at center of chamber under near weightless conditions
[NASA-CASE-XNP-00384] c09 N71-13530 Low impedance apparatus for measuring electrostatic field intensity near space vehicles [NASA-CASE-XLE-00820] c14 N71-16014 Electric current measuring apparatus design including saturable core transformer and energy storage device to avoid magnetizing current errors from transformer output winding [NASA-CASE-XGS-02439] c14 N71-19431 High voltage divider system for attenuating high voltages to convenient levels suitable for introduction to measuring circuits [NASA-CASE-XLE-02008] c09 N71-21583 Abblation sensor for measuring char layer recession rate using electric wires [NASA-CASE-XLA-01794] c33 N71-21586 Current measurement by use of Hall effect generator [NASA-CASE-XAC-01662] c14 N71-23037 Connector internal force gage for measuring strength of electrical connection [NASA-CASE-XNP-03918] c14 N71-23087 Voltage range selection apparatus for sensing and applying voltages to electronic instruments without loading signal source [NASA-CASE-XNS-06497] c14 N71-26244 ELECTRICAL PROPERTIES Voltage drift compensation circuit for analog-to-digital converter [NASA-CASE-XNP-04780] c08 N71-19687 Development and characteristics of	transmittance objects [NASA-CASE-NPO-11106] Electro-optical system for maintaining two-axis aliqument during milling operations on large tank-sections [NASA-CASE-XMF-00908] Automatic polarimeter capable of measuring transient birefringence changes in electro-optic materials [NASA-CASE-XMF-08883] C23 N71-16101 Design and development of light sensing device for controlling orientation of object relative to sun or other light source [NASA-CASE-NPO-11201] Electro-optical stabilization of calibrated light source [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-MSC-12293-1] Electro-optical system for scanning variable transmittance objects [NASA-CASE-NPO-11106-2] Electronic optical transfer function analyzer using scanning image dissection system to produce representative output signal [NASA-CASE-MFS-21672-1] ELECTROACOUSTIC TRANSDUCERS Transducer for monitoring oxygen flow in respirator [NASA-CASE-FRC-10012] Application of acoustic transducers for suspending object at center of chamber under near weightless conditions [NASA-CASE-NPO-13263-1] C15 N73-31443
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Apparatus with summing network for compression	circuit boards
of analog data by decreasing slope threshold	[NASA-CASE-IMF-01483] c14 N69-27431
sampling [NASA-CASE-NPO-10769]	Capacitor fabrication by solidifying mixture of
[NASA-CASE-NPO-10769] c08 N72-11171 Readily assembled universal environment housing	ferromagnetic metal particles,
for electronic equipment	nonferromagnetic particles, and dielectric
[NASA-CASE-KSC-10031] c15 N72-22486	material [NASA-CASE-LEW-10364-1]
Lead attachment for high temperature operation	[NASA-CASE-LEW-10364-1] c09 N71-13522 Method of evaluating moisture barrier properties
of electronic devices	of materials used in electronics encapsulation
[NASA-CASE-ERC-10224] c09 N72-25261	[NASA-CASE-NPO-10051] c18 N71-24934
Development of method and apparatus for	Electrical connections for thin film hybird
detecting surface ions on silicon diodes and	microcircuits
transistors	[NASA-CASE-XMS-02182] c10 N71-28783
[NASA-CASE-ERC-10325] c15 N72-25457	Flexible, frangible electrochemical cell and
Development and characteristics of vehicle detection system with all active elements	package for operation in low temperature
carried by moving vehicle	environment
[NASA-CASE-NPO-11850-1] c09 N73-10248	[NASA-CASE-XGS-10010] c03 N72-15986 Development and characteristics of hermetically
Development of differential phase shift keyed	sealed coaxial package for containing
signal receiver to resolve differential phase	microwave semiconductor components
shift in incoming signal	[NASA-CASE-GSC-10791-1] c15 N73-14469
[NASA-CASE-MSC-14066-1] c10 N73-10269	Techniques for packaging and mounting printed
Development and characteristics of data decoder	circuit boards
to process convolution encoded information	[NASA-CASE-MFS-21919-1] c10 N73-25243
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Characteristics of digital data processor using	Electronic recording system for spatial mass
pulse from clock source to derive binary singles to show state of various indicators in	distribution of liquid rocket propellant
processor	droplets or vapors ejected from high velocity
[NASA-CASE-GSC-10975-1] c08 N73-13187	nozzles
Development and characteristics for	[NASA-CASE-NPO-10185] c10 N71-26339 BLECTRONIC TRANSDUCERS
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order using optical techniques	analysis of vibration in aerospace vehicles
[NASA-CASE-XKS-00348] c09 N73-14215	and onboard equipment
Thermochromic compositions for detecting heat	[NASA-CASE-XMF-02433] c14 N71-10616
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[NASA-CASE-NPO-10764-1] c14 N73-14428	cable for input and output connections
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with phased array antenna [NASA-CASE-ERC-10285] c10 N73-16206	catheter transducer
Device for locating electrically nonlinear	[NASA-CASE-ARC-10132-1] c09 N71-24597
objects and determining distance to object by	Circuit design for failure sensing and protecting low voltage electric generator and
FM signal transmission	power transmission networks
[NASA-CASE-KSC-10108] c14 N73-25461	[NASA-CASE-GSC-10114-1] c10 N71-27366
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measurement transducer power supply to be used	Zero gravity, constant flow electrophoretic
for liquid level measurement in liquid	separating apparatus
propellant rocket engines [NASA-CASE-MFS-21698-1]	[NASA-CASE-MFS-21394-1] c12 N72-27310
[NASA-CASE-MFS-21698-1] c09 N73-26196 Development of equipment and method for	Controlled distribution of electrophoretic
electrifying dielectric to determine	samples in flow path through conductive screens
electrostatic properties	[NASA-CASE-MFS-21395-1] c14 N72-27425 BLECTROPHOTOMETERS
[NASA-CASE-MFS-22129-1] c09 N73-26197	Method and photodetector device for locating
Electronic strain level counter on in-flight	abnormal voids in low density materials
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[NASA-CASE-LAR-10756-1] c32 N73-26910	ELECTROPHYSIOLOGY
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Apparatus for automatically testing analog to	between two flexible conductive discs for
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[NASA-CASE-XLA-06713] c14 N71-28991 Test set for signal conditioner modules	[NASA-CASE-FRC-10029] c09 N71-24618
[NASA-CASE-KSC-10750-1] c14 N73-23527	ELECTROPLATING
ELECTRONIC PILTERS	Method of plating copper on aluminum to permit conventional soldering of structural aluminum
Self-tuning electronic filter for maintaining	bodies
constant bandwidth and center frequency gain	[NASA-CASE-XLA-08966-1] c17 N71-25903
[NASA-CASE-ARC-10264-1] c09 N73-20231	Shielded flat conductor cable fabricated by
BLECTRONIC MODULES	electroless and electrolytic plating
Thermal conductive, electrically insulated	[NASA-CASE-MFS-13687] c09 N71-28691
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	closed by thin wall with precisely shaped slit
[NASA-CASE-XMS-02087] c09 N70-41717 Fabrication methods for matrices of solar cell	[NASA-CASE-LAR-10409-1] c15 N73-20526
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[NASA-CASE-XNP-05821] c03 N71-11056	[NASA-CASE-LEW-10920-1] c17 N73-24569
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system to maintain temperature of rack mounted	High strength antistatic plastic film laminate
electronic modules	for inhibiting buildup of electrostatic
[NASA-CASE-MSC-12389] c33 N71-29052	charges on plastic bodies
Development of Mylar enclosure for maintaining	[NASA-CASE-MSC-12255-1] c18 N70-20713
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[NASA-CASE-MFS-22129-1] c09 N73-26	
Electrostatic entrained material measurement system	structure to provide escape from orbit for spacecrews under emergency conditions
[NASA-CASE-MFS-22128-1] c14 N73-26	
BLECTROSTATIC ENGINES	Three transceiver lunar emergency system to
Colloidal particle generator for electrostation	
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Encapsulated heater forming hollow body for	Emission spectroscopy method for contamination
cathode used in ion thruster	monitoring of inert gas metal arc welding
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[NASA-CASE-XLE-00376] c28 N70-37	245 and process for applying to metal and metal
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[NASA-CASE-XLE-01902] c28 N71-10 Electrostatic microthrust propulsion system was	
annular slit colloid thrustor	spectrometer for detecting leak rate of
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[NASA-CASE-XGS-04478] c14 N71-2 EMERGENCIES Silent alarm system for mutiple room facility	each recess [NASA-CASE-XMF-10040] c15 N71-22877 Suspended mass oscillation damper based on impact energy absorption for damping wind
[NASA-CASE-XGS-04478] c14 N71-2 EMERGENCIES	each recess [NASA-CASE-XMF-10040] c15 N71-22877 Suspended mass oscillation damper based on or impact energy absorption for damping wind induced oscillations of tall stacks, antennas, and umbilical towers
[NASA-CASE-XGS-04478] c14 N71-2 EMERGENCIES Silent alarm system for mutiple room facility school	each recess [NASA-CASE-XMF-10040] c15 N71-22877 Suspended mass oscillation damper based on impact energy absorption for damping wind induced oscillations of tall stacks, antennas,

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[NASA-CASE-XNP-01848] c15 N71-28959	Design and development of movable turbine inlet
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[NASA-CASE-XLE-01716] C09 N70-40234	Graphic illustration of lifting body design
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triodes and increased electron transmission	use with flat conductor cables
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electrical energy using crossed electric and	conductivity of laminar gas stream in
magnetic fields	
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[NASA-CASE-XLE-00212] c03 N70-34134	[NASA-CASE-XLE-00266] c14 N70-34156
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[NASA-CASE-XMS-00945] c09 N71-10798	forces to skeletal structure of subject to
ENERGY DISSIPATION	simulate force during ambulatory conditions
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electronic signals without requiring separate	Portable environmental control and life support
external source	system for astronaut in and out of spacecraft
[NASA-CASE-XGS-03632] c09 N71-23311	[NASA-CASE-XHS-09632-1] c05 N71-11203
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Switching mechanism with energy stored in coil	annular air column surrounding low velocity,
spring	filtered, superclean air central core for
[NASA-CASE-XGS-00473] c03 N70-38713	industrial clean room environmental control
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[NASA-CASE-XMF-01096] c10 N71-16030	Dual solid cryogens for spacecraft refrigeration
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[NASA-CASE-ARC-10456-1] c02 N73-30938	accelerating environment
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propellants into combustion chamber of small	autoignition of materials used in spacecraft
rocket engine	under controlled environmental conditions
[NASA-CASE-XLE-00303] c15 N70-36535	
Injector manifold assembly for bipropellant	Readily assembled universal environment housing
rocket engines providing for fuel propellant	for electronic equipment
to serve as coolant	[NASA-CASE-KSC-10031] c15 N72-22486
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ENGINE DESIGN	sterile chamber
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diluent air into combustion gases	systems used in space flight environmental
	control system
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increasing efficiency and control by	Spacecraft with artificial gravity and earthlike atmosphere
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[NASA-CASE-XMS-02930] c11 N71-23042	metal specimen to tensile and compressive
Space suit using nonflexible material with low leakage and providing protection against	loads at constant temperature [NASA-CASE-LAR-10426-1] c32 N72-27947
thermal extremes, physical punctures, and	Development of performed attachable thermocouple
radiation with high mobility articulation [NASA-CASE-XAC-07043] c05 N71-23161	from thermoelectrically different metals
[NASA-CASE-XAC-07043] c05 N71-23161 Flammability test chamber for testing materials	[NASA-CASE-LEW-11072-2] c14 N72-28443 Development of vortex fluid amplifier for
in certain predetermined environments	throttling rocket exhaust
[NASA-CASE-KSC-10126] c11 N71-24985	[NASA-CASE-LEW-10374-1] c28 N73-13773
Multiaxes vibration device for making vibration tests along orthogonal axes of test specimen	Simplified technique and device for producing industrial grade synthetic diamonds
[NASA-CASE-MFS-20242] c14 N73-19421	[NASA-CASE-MFS-20698-2] c15 N73-19457
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severe environments	aids to minimize astronaut energy at bending
[NASA-CASE-MFS-14710] c09 N72-22195	joints
BNZYME ACTIVITY Use of enzyme herokinase and glucose to reduce	[NASA-CASE-LAR-10007-1] c05 N71-11195 Instrument for measuring potentials on two
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compositions	[NASA-CASE-XLA-08493] c10 N71-19421
[NASA-CASE-XGS-05533] c04 N69-27487 Enzymatic luminescent bioassay method for	ERGOMETERS Manual actuator for exercise machine onboard
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[NASA-CASE-GSC-11092-2] c04 N73-27052 ENZYMBS	[NASA-CASE-MFS-21481-1] c15 N73-15503
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without denaturation	weightless conditions
[NASA-CASE-GSC-10225-1] c06 N73-27086 BPOXY COMPOUNDS	[NASA-CASE-MFS-21046-1] c14 N73-27377
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with low dielectric properties	Tilting table for testing human body in variety
[NASA-CASE-MFS-13994-1] c06 N71-11240 Synthesis of siloxane containing epoxide and	of positions while exercising on ergometer or other biomedical devices
diamine polymers	[NASA-CASE-MFS-21010-1] c05 N73-30078
[NASA-CASE-MFS-13994-2] c06 N72-25148	Pneumatic foot pedal operated fluidic exercising
RPOXY RESINS Nonmagnetic hermetically sealed battery case	device [NASA-CASE-MSC-11561-1]
made of epoxy resin and woven glass tape for	EROSION
use with electrochemical cells in spacecraft	Plame sprayed intermetallic coating for
[NASA-CASE-XGS-00886] c03 N71-11053 Epoxy resin sealing device for electrochemical	producing oxidation corrosion and erosion resistant low alloy austenitic stainless steel
cells in high vacuum environments	for use in automobile internal combustion
[NASA-CASE-XGS-02630]	engines
Cold metal hydroforming techniques using epoxy molds for counteracting creep or stretch	[NASA-CASE-LEW-11267-2] c15 N72-28502 ERROR ANALYSIS
[NASA-CASE-XLE-05641-1] c15 N71-26346	Development of computer program for estimating
Miniature electromechanical junction transducer	reliability of self-repair and fault-tolerant
operating on piezojunction effect and utilizing epoxy for stress coupling component	systems with respect to selected system and mission parameters
[NASA-CASE-ERC-10087] c14 N71-27334	[NASA-CASE-NPO-13086-1] c15 N73-12493
Infusible polymer production from reaction of polyfunctional epoxy resins with	ERROR CORRECTING DEVICES
polyfunctional aziridine compounds	Error correction circuitry for binary signal channels
[NASA-CASE-NPO-10701] c06 N71-28620	[NASA-CASE-XNP-03263] c09 N71-18843
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	Multiplexed communication system design
Differential pressure cell insensitive to changes in ambient temperature and extreme	Multiplexed communication system design including automatic correction of transmission
Differential pressure cell insensitive to changes in ambient temperature and extreme overload	Multiplexed communication system design including automatic correction of transmission errors introduced by frequency spectrum shifts [NASA-CASE-XNP-01306] c07 N71-20814
Differential pressure cell insensitive to changes in ambient temperature and extreme overload [NASA-CASE-XAC-00042] c14 N70-34816	Multiplexed communication system design including automatic correction of transmission errors introduced by frequency spectrum shifts [NASA-CASE-XNP-01306] c07 N71-20814 Description of error correcting methods for use
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[NASA-CASE-XMF-06065] c15 N71-3	breceding descore expressions

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SUBJECT INDEX FACTORIAL DESIGN

[NASA-CASE-LAR-10739-1] c14 N73-16484	Design and development of flexible tunnel for
EXPLOSIVE DEVICES	use by spacecrews in performing extravehicular
Stage separation using remote control release of	activities
joint with explosive insert	[NASA-CASE-MSC-12243-1] c05 N71-24728
[NASA-CASE-XLA-02854] c15 N69-27490 Hermetically sealed explosive release mechanism	Open loop life support subsystem using breathing
for actuator device	bag as reservoir for EVA
[NASA-CASE-XGS-00824] c15 N71-16078	[NASA-CASE-MSC-12411-1] c05 N72-20096 Intra- and extravehicular life support space
Development of non-magnetic indexing device for	suite for Apollo astronauts
orienting magnetic flux sensing instrument in /	[NASA-CASE-MSC-12609-1]
magnetic field without generation of	EXTREMELY LOW RADIO PREQUENCIES
detrimental magnetic fields	VHF/UHF parasitic probe antenna for spacecraft
[NASA-CASE-XGS-02422] c15 N71-21529	communication
Development of apparatus for detonating explosive devices in order to determine forces	[NASA-CASE-XKS-09340] c07 N71-24614
generated and detonation propagation rate	EXTRUDING
[NASA-CASE-LAR-10800-1] c33 N72-27959	Extrusion can for extruding ceramics under heat and pressure
Development and characteristics of squib	[NASA-CASE-NPO-10812] c15 N73-13464
actuated explosive disconnect for spacecraft	EYE (ANATOMY)
release from launch vehicle	Sight switch using infrared source and sensor
[NASA-CASE-NPO-11330] c33 N73+26958	mounted beside eye
EXPLOSIVE FORMING Electric discharge apparatus for	[NASA-CASE-XMF-03934] c09 N71-22985
electrohydraulic explosive forming	Ultrasonic device for ophthalmic eye surgery
[NASA-CASE-XMF-00375] c15 N70-34249	with safe removal of macerated material [NASA-CASE-LEW-11669-1] c05 N73-27062
EXPLOSIVE WELDING	INASA-CASE-LEW-11669-1] c05 N73-27062 Surgical liquification pump for removing
Method of eliminating noise and debris of	macerated tissue from eye
explosive welding techniques	[NASA-CASE-LEW-12051-1] c04 N73-32000
[NASA-CASE-LAR-10941-1] c15 N72-33478	EYE EXAMINATIONS
Explosive welding of thin metal scarf joint	Optical vision testing unit for testing eyes and
[NASA-CASE-LAR-11211-1] c15 N73-14480 Method for eliminating noise and debris of	visual system of human subject
explosive welding techniques by using complete	[NASA-CASE-MSC-13601-1]
enclosure	Automated visual sensitivity tester for determining visual field sensitivity and blind
[NA SA-CASE-LAR-10941-2] c15 N73-32371	spot size
EXPLOSIVES	[NASA-CASE-ARC-10329-1] c05 N73-26072
Development of technique and apparatus for	EYEPIECES
optically detonating insensitive high explosives	Wide angle eyepiece with long eye-relief distance
[NASA-CASE-NPO-11743-1] c33 N73-29959 Production of intermetallic compounds by effect	(NASA-CASE-XMS-06056-1) c23 N71-24857
of shock waves from explosions and compaction	_
of powder	F
[NASA-CASE-MFS-20861-1] c18 N73-32437	FABRICATION
EXPONENTIAL FUNCTIONS	Fabrication of pressure-telemetry transducers
Digital quasi-exponential function generator	[NASA-CASE-XNP-09752] c14 N69-21541
[NASA-CASE-NPO-11130] c08 N72-20176	Fabrication method for lightweight
EXPOSURE	Fabrication method for lightweight regeneratively cooled combustion chamber of
EXPOSURE Mechanical exposure interlock device for	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction
EXPOSURE	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell
MEChanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 BXFULSION BLADDERS	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules
BEXPOSUBE Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 BEXPULSION BLADDERS Expulsion bladder equipped storage tank structure	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles,
Mchanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNF-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material
Mchanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNF-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 RIPULSION BLADDRS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726
Mchanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 BXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XMP-07587] c15 N71-18701	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XMP-07587] c15 N71-18701 EXTENSOMETERS	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-KSC-12398] c05 N72-20098
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Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 BXPULSION BLADDRRS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNP-07587] c15 N71-18701 EXTENSOMETERS Transducer frame for use with extensometer to continuously monitor specimen sample [NASA-CASE-XLA-10322] c15 N72-17452 Plastomeric extensometer for measuring surface area changes of human body caused by body	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Fabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] c05 N72-20098 Method of fabricating egual length insulated wire [NASA-CASE-FRC-10038] c15 N72-20444 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XMP-07587] c15 N71-18701 EXTENSOMETERS Transducer frame for use with extensometer to continuously monitor specimen sample [NASA-CASE-XLA-10322] c15 N72-17452 Elastomeric extensometer for measuring surface area changes of human body caused by body expansion and contraction	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] c05 N72-20098 Method of fabricating egual length insulated wire [NASA-CASE-FRC-10038] c15 N72-20444 Development of thin film temperature sensor from Ta0 [NASA-CASE-NPO-11775] c26 N72-28761 PABBRICS
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 EXPULSION BLADDERS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNP-07587] c15 N71-18701 EXTENSOMETERS Transducer frame for use with extensometer to continuously monitor specimen sample [NASA-CASE-XLA-10322] c15 N72-17452 Elastomeric extensometer for measuring surface area changes of human body caused by body expansion and contraction [NASA-CASE-HFS-21049-1] c14 N73-11405	Pabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XLE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Method and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] c05 N72-20098 Method of fabricating egual length insulated wire [NASA-CASE-TEC-10038] c15 N72-20444 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 PABBICS Hand tool for cutting and sealing fusible fabrics
Mechanical exposure interlock device for preventing film overexposure in oscilloscope camera [NASA-CASE-LAR-10319-1] c14 N73-32322 BXPULSION BLADDRRS Expulsion bladder equipped storage tank structure [NASA-CASE-XNP-00612] c11 N70-38182 Rubber composition for expulsion bladders and diaphragms for use with hydrazine [NASA-CASE-NP0-11433] c18 N71-31140 EXTENSIONS Support for flexible conductor cable between drawers or racks holding electronic equipment and cabinet assembly housing drawers or racks [NASA-CASE-XNP-07587] c15 N71-18701 EXTENSOMETERS Transducer frame for use with extensometer to continuously monitor specimen sample [NASA-CASE-XLA-10322] c15 N72-17452 Plastomeric extensometer for measuring surface area changes of human body caused by body expansion and contraction [NASA-CASE-HFS-21049-1] c14 N73-11405	Fabrication method for lightweight regeneratively cooled combustion chamber of channel construction [NASA-CASE-XIE-00150] c28 N70-41818 Pabrication methods for matrices of solar cell submodules [NASA-CASE-XNP-05821] c03 N71-11056 Capacitor fabrication by solidifying mixture of ferromagnetic metal particles, nonferromagnetic particles, and dielectric material [NASA-CASE-LEW-10364-1] c09 N71-13522 Hethod and apparatus for fabricating solar cell panels [NASA-CASE-XNP-03413] c03 N71-26726 Fabrication of root cord restrained fabric suit sections from sheets of fabric [NASA-CASE-MSC-12398] c05 N72-20098 Hethod of fabricating equal length insulated wire [NASA-CASE-FEC-10038] c15 N72-20444 Development of thin film temperature sensor from Ta0 [NASA-CASE-NPO-11775] c26 N72-28761 PABRICS Band tool for cutting and sealing fusible fabrics [NASA-CASE-XHF-09386] c15 N69-21854
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Equipotential space suits utilizing mechanical	Improving load capacity and fatigue life of
aids to minimize astronaut energy at bending	rolling element systems in rockets and missiles
ioints	[NASA-CASE-XLE-02999] c15 N71-16052
[NASA-CASE-LAR-10007-1] CC5 N71-11195	Method for reducing mass of ball bearings for
FAIL-SAPE SYSTEMS	long life operation at high speed
Computer system using adaptive voting to	[NASA-CASE-LEW-10856-1] c15 N72-22490
tolerate failure and operate in	Patique life of hybrid antifriction bearings at
fail-operational, fail-safe manner	ultrahigh speeds
[NASA-CASE-MSC-13932-1] CO8 N72-21206	[NASA-CASE-LEW-11152-1] c15 N73-32359
Fail-safe multiple transformer circuit	V PATIGUE TESTING HACHINES
configuration	Cryostat for use with horizontal fatigue testing
[NASA-CASE-NPO-11078] c09 N72-25262	machines at low temperatures
Fail safe latching mechanism for spacecraft	[NASA-CASE-XMF-10968] c14 N71-24234
docking	Fatique testing apparatus with light shield and
[NASA-CASE-MSC-12549-1] c15 N73-11443	infrared reflector for high temperature
PAILURE ANALYSIS	evaluation of loaded sheet samples
Failure detector for dc to ac inverter circuit	[NASA-CASE-XLA-01782] c14 N71-26136
[NASA-CASE-NPO-13160-1] c14 N73-23525	FATIGUE TESTS
FAILURE MODES	Fatique testing device applying random discrete
method for reducing mass of ball bearings for	load levels to test specimen and applicable to
long life operation at high speed	aircraft structures
[NASA-CASE-LEW-10856-1] c15 N72-22490	[NASA-CASE-XLA-02131] c32 N70-42003
FAIRINGS	PATS
System for deploying and ejecting releasable	Cross linked polymer system for oil or fat
clamshell fairing sections from spinning	absorption properties
sounding rockets	[NASA-CASE-NPO-11609-1] c06 N72-22114
[NASA-CASE-GSC-10590-1] c31 N73-14853	PECES
FALLING SPHERES	Fecal waste disposal container
Device for determining acceleration of gravity	[NASA-CASE-XMS-06761] c05 N69-23192
by interferometric measurement of travel of	PRED SYSTEMS
falling body	Nonconductive tube as feed system for plasma
[NASA-CASE-XMF-05844] c14 N71-17587	thrustor
PAB INPRARED RADIATION	[NASA-CASE-XLE-02902] c25 N71-21694
Collimator for analyzing spatial location of	Method and apparatus for pressurizing propellant
near and distant sources of radiation	tanks used in propulsion motor feed system
[NASA-CASE-MFS-20546-2] c14 N73-30389	[NASA-CASE-XNP-00650] c27 N71-28929
PAR ULTRAVIOLET RADIATION	Pressurized tank for feeding liquid waste into
Transient heat transfer gage for measuring total	processing equipment
radiant intensity from far ultraviolet and	[NASA-CASE-LAR-10365-1] c05 N72-27102
ionized high temperature gases	Pressurized inert gas feed for lighting system
[NASA-CASE-XNP-09802] c33 N71-15641	[NASA-CASE-KSC-10644] c09 N72-27227
(Dual frequency feed systems for Cassegrainian
FASTENERS Force measuring instrument for structural	antennas
members, particularly fastening bolts or studs	[NASA-CASE-NPO-13091-1] CO9 N73-12214
	Improved injector with porous plug for bubbles
[NASA-CASE-XMF-00456] c14 N70-34705 Lightweight life preserver without fastening	of gas into feed lines of electrically
	conductive liquid
devices [NASA-CASE-XMS-00864]	[NASA-CASE-NPO-11377] c15 N73-27406
Nut and bolt fastener permitting all-directional	PEEDBACK
movement of skin sections with respect to	RC networks with voltage amplifier, RC input
	circuit, and positive feedback
supporting structure [NASA-CASE-XLA-C1807] c15 N71-10799	[NASA-CASE-ARC-10020] C10 N72-17172
[NASA-CASE-XLA-C1807] C15 N/1-10/99 Releasable, pin-type fastener, easily operated	Multistage feedback shift register with states
	decomposable into cycles of equal length
during EVA [NASA-CASE-ARC-10140-1] c15 N71-17653	[NASA-CASE-NPO-11082] CO8 N72-22167
Ultrasonic wrench for applying vibratory energy	Inverter oscillator with voltage feedback
	[NASA-CASE-NPO-10760] CO9 N72-25254
to mechanical fasteners [NASA-CASE-MFS-20586] c15 N71-17686	PEEDBACK AMPLIPIERS
[NASA-CASE-MFS-20586] C15 N71-17686 Design and development of electric connectors	Development of system with electrical properties
pesign and development of electric connectors	which vary with changes in temperature for use
for riqid and semiriqid coaxial cables [NASA-CASE-XNP-04732]	with feedback loop in operational amplifier
[NASA-CASE-XNP-04732] C09 N71-20851 Design, development, and characteristics of	circuit
latching mechanism for operation in limited	[NASA-CASE-MSC-13276-1] C14 N71-27058
= · · · · ·	Phase locked demodulator with bandwidth
access areas [NASA-CASE-XMS-03745] c15 N71-21076	switching amplifier circuit
Design and development of module joint clamping	[NASA-CASE-XNP-01107] c10 N71-28859
device for application to solar array	Monostable multivibrator for producing output
construction	pulse widths with positive feedback NOR gates
[NASA-CASE-XNP-02341] C15 N71-21531	[NASA-CASE-MSC-13492-1] c10 N71-28860
Threadless fastener apparatus comprising	Circuit with differential amplifier for
receiving apertures for plurality of articles,	synthesizing capacitance multiplier with
self-locked condition, and capable of using	microminiaturized feedback components
nonmalleable materials in both ends	[NASA-CASE-NPO-11948-1] c10 N73-15255
[NASA-CASE-XFR-05302] C15 N71-23254	Design of integrated circuit with two amplifiers
Development of resilient fastener for attaching	and feedback stabilization for single channel
skin of aerospace vehicles to permit movement	gyrator
of skin relative to framework	[NASA-CASE-MFS-22343-1] c09 N73-18224
[NASA-CASE-XLA-G1027] c31 N71-24035	PREDBACK CIRCUITS
Pneumatic mechanism for releasing hook and loop	Low power drain transistor feedback circuit
fasteners between large rigid structures	[NASA-CASE-XGS-04999] c09 N69-24317
[NASA-CASE-XMS-10660-1] C15 N71-25975	Linear three-tap feedback shift register
PATIGUE (MATERIALS)	[NASA-CASE-NPO-10351] CO8 N71-12503
Servocontrol system for measuring local stresses	Prequency control network for current feedback
at geometric discontinuity in stressed material	oscillators converting dc voltage to ac or
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Patique resistant shear pin with hollow shaft	Peedback integrating circuit with grounded
and two plugs	capacitor for signal processing
[NASA-CASE-XLA-09122] c15 N69-27505	[NASA-CASE-XAC-10607] C10 N71-23669
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Development of idler feedback system to reduce	to radiation
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Linear shift register with feedback logic for	transistors arranged in tree switching
qenerating pseudonoise linear recurring binary sequences	configuration
[NASA-CASE-NPO-11406] c08 N73-12175	[NASA-CASE-NPO-11333] c08 N72-22162 Single integrated circuit chip with field effect
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Describing continuous analog to digital	[NASA-CASE-GSC-10835-1] c09 N72-33205
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with feedback control and display device [NASA-CASE-XKS-06167] c08 N71-24890	Tool attachment for spreading or moving away
[NASA-CASE-XKS-06167] c08 N71-24890 Feedback control for direct current motor to	loose elements from terminal posts during winding of filamentary elements
achieve constant speed under varying loads	[NASA-CASE-XMF-02107] c15 N71-10809
[NASA-CASE-MFS-14610] c09 N71-28886	Fabrication of filament wound propellant tank
<pre>Peedback controller for sampling error signals within single control formulation time interval</pre>	for cryogenic storage [NASA-CASE-XLE-03803-2] c15 N71-17651
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Feedback controlled dc to dc converter with	Refractory filament series circuitry for radiant
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[NASA-CASE-LAR-10682-1] c02 N73-26004 FREDBACK PREQUENCY MODULATION	FILLERS Filling honeycomb matrix with deaerated paste
Method and apparatus for communicating through	filler
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during reentry into planetary atmospheres [NASA-CASE-XLA-01127] c07 N70-41372	FILM COOLING Multislot film cooled pyrolytic graphite rocket
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FEEDING (SUPPLYING)	film emulsion from parallel radiation source
Automatic pair feeding device for controlled	[NASA-CASE-MFS-20095] c24 N72-11595
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PERROMAGNETISM	[NASA-CASE-LAR-10194-1] c12 N72-11293
High temperature ferromagnetic cobalt-base alloy	PIBS
for electrical power generating equipment [NASA-CASE-XLE-03629] c17 N71-23248	Thrust and attitude control apparatus using jet nozzle in movable canard surface or fin
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Fiber optic transducers for monitoring and	[NASA-CASE-XLE-03583] c31 N71-17629
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[NASA-CASE-XNP-00597] c18 N71-23088	rocket or ground installation
FIELD EFFECT TRANSISTORS	[NASA-CASE-MFS-15063] c14 N72-25412
Constant current source having two matched transistors	Method and device for verifying reliability of fire detectors
[NASA-CASE-NPO-10733] c09 N70-35631	[NASA-CASE-GSC-11600-1] c14 N73-18436
Frequency to analog converters with unipolar	PIREPROOFING
field effect transistor for determining potential charge by pulse duration of input	Fireproof potassium silicate coating
signal	composition, insoluble in water after application
[NASA-CASE-XNP-07040] c08 N71-12500	[NASA-CASE-GSC-10072] c18 N71-14014
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potential of MOS field effect device subjected	mineral acid processed to yield intumescent or

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fire resistant, heat insulating materials	(NASA-CASE-XMF-03498) c15 N71-15986
[NASA-CASE-ARC-10304-1] c18 N73-26572	Shielded flat conductor cable fabricated by
Process for developing flame retardant	electroless and electrolytic plating { NASA-CASE-MFS-13687 } c09 N71-28691
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space suits [NASA-CASE-MSC-14331-1]	wires laminates in thin flexible insulation
	[NASA-CASE-MFS-13687-2] c09 N72-22198
PIRES Device for generating and controlling combustion	Separable flat cable connector with isolated
products for testing of fire detection system	electrical contacts
[NASA-CASE-GSC-11095-1] c14 N72-10375	[NASA-CASE-MFS-20757] c09 N72-28225
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altitude rockets	Reduced gravity liquid configuration simulator
[NASA-CASE-MFS-13130] C10 N72-17173	to study propellant behavior in rocket fuel
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Contamination free separation nut eliminating	[NASA-CASE-XLE-02624] c12 N69-39988
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generated by squib firing	and anvil in apparatus for making diamonds
[NASA-CASE-XGS-01971] c15 N71-15922	[NASA-CASE-MPS-20698] c15 N72-20446
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fluid to high temperatures	[NASA-CASE-XKS-08485] c07 N71-19493
[NASA-CASE-XLE-00321] c22 N70-34572	Plexible bellows joint shielding sleeve for
FITTINGS	propellant transfer pipelines
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flared tube fitting	structures
[NASA-CASE-XLA-05056] c15 N72-11389	[NASA-CASE-XMF-00722] c15 N70-40204
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exposed end to insert installed in honeycomb	switch with flexible operating capability
panel	[NASA-CASE-XNP-09808] c09 N71-12518
[NASA-CASE-MFS-21485-1] c15 N72-31490	Flexible composite membrane structure impervious
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[NASA-CASE-XLA-04451] c02 N71-12243	Development and characteristics of self
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Flame or plasma spraying for molybdenum coating	[NASA-CASE-XLA-00117] c31 N71-17680
of carbon or graphite surfaces to prevent	Design and development of flexible tunnel for
oxidative corrosion	use by spacecrews in performing extravehicular
[NASA-CASE-XLA-00302] c15 N71-16077	activities
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volatile and reactive halogen for fuel fire	accelerating environment
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with temperature reducing coatings against	spacecraft walls and pumping liquid propellants
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FLAHMABILITY	mounting solar cell array to flexible substrate
Flammability test chamber for testing materials	[NASA-CASE-LEW-11069-1] c03 N71-29048 Development of device for simulating cyclic
in certain predetermined environments	thermal loading of flexible materials by
[NASA-CASE-KSC-10126] c11 N71-24985	application of mechanical stresses and
Development of apparatus for testing burning	deformations
rate and flammability of materials	[NASA-CASE-LAR-10270-1] c32 N72-25877
[NASA-CASE-XMS-09690] c33 N72-25913	Development and characteristics of supporting
FLANGES Cassegrain antenna subreflector flange for	frame to isolate payloads from
suppressing ground noise and increasing	multi-gravitational forces
antenna transmitting efficiency	[NASA-CASE-MFS-21680-1] c15 N73-20525
[NASA-CASE-XNP-00683] C09 N70-35425	PLEXIBLE WINGS
Light baffle with oblate hemispheroid surface	Aeroflexible wing structure with air scoop for
and shading flange	inflating stiffeners with ram air
[NASA-CASE-NPO-10337] C14 N71-15604	[NASA-CASE-XLA-06095] CO1 N69-39981
FLAPS (CONTROL SURFACES)	Deployment system for flexible wing with rigid
Upper surface, external flow, jet-augmented flap	superstructure
configuration for high wing jet aircraft for	[NASA-CASE-XLA-01220] c02 N70-41863
noise reduction	Development and characteristics of control
[NASA-CASE-XLA-00087] C02 N70-33332	system for flexible wings
Assembly for opening flight capsule stabilizing	[NASA-CASE-XLA-06958] CO2 N71-11038
and decelerating flaps with reference to	PLEXING
capsule recovery	Two degree inverted flexure from single block of
[NASA-CASE-XMF-00641] c31 N70-36410	material
Direct lift control system having flaps with	[NASA-CASE-ARC-10345-1] c15 N73-12488
slots adjacent to their leading edge and	PLIGHT
particularly adapted for lightweight aircraft	Flow meter for measuring stagnation pressure in .
[NASA-CASE-LAR-10249-1] CO2 N71-26110	boundary layer around high speed flight vehicle
Adjustable airfoil for reversable cowl flap	[NASA-CASE-XFR-02007] c12 N71-24692
inlet thrust augmentation	PLIGHT ALTITUDE
[NASA-CASE-ARC-10754-1] C28 N73-32624	Terminal guidance system for guiding aircraft
FLARED BODIES	into preselected altitude and/or heading at
Development and characteristics of strainer for	terminal point
flared tube fitting	[NASA-CASE-FRC-10049-1]
[NASA-CASE-XLA-05056] c15 N72-11389	Surface based altitude measuring system for
FLAT CONDUCTORS	accurately measuring altitude of airborne
Method of making molded electric connector for use with flat conductor cables	vehicle [NASA-CASE-ERC-10412-1] c09 N73-12211

PLIGHT CONTROL	[NASA-CASE-LAR-10531-1] c02 N73-13023
Aircraft indicator for pilot control of takeoff	PLIP-PLOPS
roll, climbout path and verticle flight path in poor visibility conditions	Bistable multivibrator circuits operating at
[NASA-CASE-XLA-00487] C14 N7G-40157	high speed and low power dissipation [NASA-CASE-XGS-00823] c10 N71-15910
Two axis flight controller with potentiometer	Stepping motor control apparatus exciting
control shafts directly coupled to rotatable ball members	windings in proper time sequence to cause
[NASA-CASE-XFR-04104] c03 N70-42073	motor to rotate in either direction (NASA-CASE-GSC-10366-1) c10 N71-18772
Development of aircraft control system with high	Interrogator and current driver circuit for
performance electrically controlled and mechanically operated hydraulic valves for	combination with transistor flip-flop circuit [NASA-CASE-XGS-03058] c10 N71-19547
precise flight operation	[NASA-CASE-XGS-03058] c10 N71-19547 PLOATING
[NASA-CASE-XAC-00048] c02 N71-29128 Characteristics of system for providing yaw	Inflatability and flotation of one man life raft
control of vehicles at high supersonic and	after puncture to main wall [NASA-CASE-LAR-10241-1] c05 N72-21076
hypersonic speeds by deflecting flaps mounted	Floating baffle for tank drain
on upper wing surface [NASA-CASE-LAR-11140-1] c02 N73-20008	[NASA-CASE-KSC-10639] c15 N73-26472 FLOATS
Development of flight simulator system to show	Magnetically centered liquid column float
position of joystick displacement [NASA-CASE-NPO-11497] c08 N73-25206	[NASA-CASE-XAC-00030] C14 N70-34820
Development and characteristics of system for	PLOTATION Development and characteristics of rescue litter
integrated control of engine power and	with inflatable flotation device for water
aerodynamic confiquration of aircraft during landing approach	rescue application [NASA-CASE-XMS-04170] c05 N71-22748
[NASA-CASE-ARC-10456-1] c02 N73-30938	I NASA-CASE-XMS-04170] c05 N71-22748 FLOW CHARACTERISTICS
FLIGHT CHRWS Survival couch for aircraft or spacecraft crews	Plowmeter for determining changes in dielectric
[NASA-CASE-XLA-00118] c05 N70-33285	constant of fluid in conduit [NASA-CASE-MFS-20974] c14 N72-15430
FLIGHT RECORDERS	FLOW DIRECTION INDICATORS
Event recorder with constant speed motor which rotates recording disk	Electric circuit for reversing direction of current flow
[NASA-CASE-XLA-01832] c14 N71-21006	[NASA-CASE-XNP-00952] c10 N71-23271
PLIGHT SAFETY	Flow angle sensor and remote readout system for
Aerial capsule emergency separation device using jettisonable towers	use with cryoqenic fluids [NASA-CASE-XLE-04503] c14 N71-24864
[NASA-CASE-XLA-00115] c03 N70-33343	PLOW DISTRIBUTION
Development and characteristics of electronic signalling system and data processing	Multiple orifice fluid flow control valve to
equipment for warning systems to avoid midair	provide different flow patterns [NASA-CASE-ERC-10208] c15 N70-10867
collisions between aircraft [NASA-CASE-LAR-10717-1] c21 N73-30641	Photographing surface flow patterns on wind
[NASA-CASE-LAR-10717-1] c21 N73-30641 PLIGHT SIMULATION	tunnel test models [NASA-CASE-XLA-01353] c14 N70-41366
Lunar landing flight research vehicle	Color photointerpretation of interference colors
[NASA-CASE-XFR-00929] c31 N70-34966 Television simulation for aircraft and space	reflected from thin film oil-coated components
flight	in moving gases for gas flow visualization [NASA-CASE-XMF-01779] c12 N71-20815
[NASA-CASE-XFR-03107] c09 N71-19449 Electrical circuit selection device for	Air conditioning system and automatic
simulating stage separation of flight vehicle	distribution device for distributing air flow from opposite directions in supply duct
[NASA-CASE-XKS-04631] c10 N71-23663	[NASA-CASE-GSC-11445-1] c15 N72-28503
FLIGHT SIMULATORS Kinesthetic control simulator with multiple	Laser Doppler velocimeter for simultaneously
degree of freedom of movement similar to lunar	measuring orthogonal fluid velocity components without flow field perturbation
flying vehicles [NASA-CASE-LAR-10276-1] c11 N70-26813	[NASA-CASE-ARC-10637-1] c14 N73-21390
[NASA-CASE-LAR-10276-1] c11 N70-26813 Centrifuge mounted motion simulator with	PLOW MEASUREMENT Collapsible flow test device for obstructed
elevator mechanism	passages
[NASA-CASE-XAC-00399] c11 N70-34815 Table structure and rotating magnet system	[NASA-CASE-XMS-04917] c14 N69-24257
simulating gravitational forces on spacecraft	Simulated fuel assembly-type flow measurement apparatus for coolant flow in reactor core
and displaying trajectories between Earth, Venus, and Mercury	[NASA-CASE-XLE-00724] c14 N70-34669
[NASA-CASE-XNP-00708] c14 N70-35394	Mass flow meter containing beta source for measuring nonpolar liquid flow
Wind tunnel test section for simulating high	[NASA-CASE-MFS-20485] c14 N72-11365
Reynolds number over transonic speed range [NASA-CASE-MFS-20509] c11 N72-17183	Instrument for measuring magnitude and direction
Device for applying simulated g-forces to arm of	of flow velocity in flow field [NASA-CASE-LAR-10855-1] c14 N73-13415
aircraft simulator pilot	PLOW REGULATORS
[NASA-CASE-LAR-10550-1] c11 N72-27271 Development of flight simulator system to show	Antibacklash circuit for hydraulic drive system [NASA-CASE-XNP-01020] c03 N71-12260
position of joystick displacement	Tubular flow restrictor for gas flow control in
[NASA-CASE-NPO-11497] c08 N73-25206 FLIGHT TESTS	pipeline
Device for measuring drag forces in flight tests	[NASA-CASE-NPO-10117] c15 N71-15608 Pluid flow control valve for regulating fluids
[NASA-CASE-XLA-00113] c14 N70-33386 PLIGHT VEHICLES	in molecular quantities
Construction of leading edges of surfaces for	[NASA-CASE-XLE-00703] c15 N71-15967 Control of gas flow from pressurized vessel by
aerial vehicles performing from subsonic to	thermal expansion of metal pluq
above transonic speeds [NASA-CASE-XLA-01486] c01 N71-23497	[NASA-CASE-NPO-10298] c12 N71-17661
Electro-optical attitude sensing device for	Semitoroidal diaphragm cavitating flow control valve
landing approach of flight vehicle	[NASA-CASE-XNP-09704] c12 N71-18615
Design and development of active control system	Describing device for changing flow rate of fluid in duct in response to change in
for air cushion vehicle to reduce or eliminate	temperature
effects of excessive vertical vibratory acceleration	[NASA-CASE-MFS-14259] c15 N71-19213

SUBJECT INDEX PLOW STABILITY

Pneumatic servoamplifier for controlling flow	Flow meter for measuring stagnation pressure in
regulation	boundary layer around high speed flight vehicle [NASA-CASE-XFR-02007] c12 N71-24692
[NASA-CASE-MSC-12121-1] c15 N71-27147	Doppler shifted laser beam as fluid velocity
Gas flow control device, including housing and input port	sensor
[NASA-CASE-NPO-11479] c15 N73-13462	[NASA-CASE-XAC-10770-1] c16 N71-24828
FLOW STABILITY	Flowmeters for sensing low fluid flow rate and pressure for application to respiration rate
Detonation reaction engine comprising outer housing enclosing pair of inner walls for	studies
continuous flow	[NASA-CASE-FRC-10022] c12 N71-26546
[NASA-CASE-XMF-06926] C28 N71-22983	Mass flow meter containing beta source for measuring nonpolar liquid flow
Constant flow velocity generator for calibrating hot-wire anemometers	[NASA-CASE-MFS-20485] c14 N72-11365
[NASA-CASE-MFS-21424-1] c12 N73-16248	Flowmeter for determining changes in dielectric
PLOW VELOCITY	constant of fluid in conduit (NASA-CASE-MFS-20974) c14 N72-15430
Continuous variation of propellant flow and	[NASA-CASE-MFS-20974] c14 N72-15430 Design and operation of electromagnetic flow
thrust by application of liquid foam flow theory to injection orifice	rate meter for liquid metals
[NASA-CASE-XLE+00177] C28 N70-40367	[NASA-CASE-LEW-10981-1] C14 N72-20406
Measuring density of single and two-phase	Respiratory analysis system to determine qas flow rate and frequency of respiration and
cryogenic fluids in rocket fuel tanks [NASA-CASE-XLE-00688] c14 N70-41330	expiration cycles in real time
Device for adding water to high velocity exhaust	[NASA-CASE-MSC-13436-1] c05 N73-32015
jets to reduce velocity, noise, and temperature	Low power electromagnetic flowmeter system producing zero output signal for zero flow
[NASA-CASE-XHF-01813] c28 N70-41582 Positive displacement flowmeter for measuring	[NASA-CASE-ARC-10362-1] c14 N73-32326
extremely low flows of fluid with self	FLOID AMPLIFIERS
calibrating features	Fluid jet amplifier with fluid from jet nozzle deflected by inlet pressure
[NASA-CASE-XMF-02822] c14 N7C-41994 Zeta potential flowmeter for measuring very slow	[NASA-CASE-XLE-03512] c12 N69-21466
to very high flows	Multiple vortex amplifier system as fluid valve
[NASA-CASE-XNP-06509] C14 N71-23226	[NASA-CASE-XMF-04709] c15 N71-15609 Shear modulated fluid amplifier of high pressure
Device for simultaneously determining density, velocity, and temperature of streaming gas	hydraulic vortex amplifier type
[NASA-CASE-XLA-03375] c16 N71-24074	[NASA-CASE-MFS-10412] C12 N71-17578
Doppler shifted laser beam as fluid velocity	Fluid amplifier circuit for control of fluidic
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[NASA-CASE-XAC-10770-1] c16 N71-24828 Flowmeters for sensing low fluid flow rate and	Development of vortex fluid amplifier for
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studies [NASA-CASE-FRC-10022] c12 N71-26546	[NASA-CASE-LEW-10374-1] c28 N73-13773 PLOID FILMS
[NASA-CASE-FRC-10022] C12 N/1-26546 Force balanced throttle valve for fuel control	Journal bearing sectors for lubricant films
in rocket engines	[NASA-CASE-LEW-11076-1] c15 N72-21473
[NASA-CASE-NPO-10808] c15 N71-27432	<pre>PLUID FILTERS Absorbent apparatus for separating qas from</pre>
Flow rate switch for detecting variations in fluid flow velocity through conduits of	liquid-gas stream used in environmental
pressurized systems	control under zero gravity conditions
[NASA-CASE-NPO-10722]	[NASA-CASE-XMS-G1492] CO5 N70-41297 Compact high pressure filter for rocket fuel lines
Instrument for measuring magnitude and direction	[NASA-CASE-XNP-00732] C28 N70-41447
of flow velocity in flow field [NASA-CASE-LAR-10855-1] c14 N73-13415	Development of liquid separating system using
[NASA-CASE-LAR-10855-1] c14 N73-13415 Constant flow velocity generator for calibrating	Development of liquid separating system using capillary device connected to flexible bladder
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[NASA-CASE-LAR-10855-1] c14 N73-13415 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Procedure for generating uniform flow at varying velocities in wind tunnel test section [NASA-CASE-ARC-10710-1] c11 N73-27175	Development of liquid separating system using capillary device connected to flexible bladder storage chamber [NASA-CASE-XMS-13052] c14 N71-20427 Design and characteristics of system for reqenerating fluid filter to remove trapped particles with application to space shuttle systems
[NASA-CASE-LAR-10855-1] c14 N73-13415 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Procedure for generating uniform flow at varying velocities in wind tunnel test section [NASA-CASE-ARC-10710-1] c11 N73-27175 FLOW VISUALIZATION Method and apparatus for measuring shock layer	Development of liquid separating system using capillary device connected to flexible bladder storage chamber [NASA-CASE-XMS-13052] c14 N71-20427 Design and characteristics of system for requestaing fluid filter to remove trapped particles with application to space shuttle systems [NASA-CASE-MSC-14273-1] c12 N73-28179
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[NASA-CASE-LAR-10855-1] c14 N73-13415 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Procedure for generating uniform flow at varying velocities in wind tunnel test section [NASA-CASE-ARC-10710-1] c11 N73-27175 FLOW VISUALIZATION Method and apparatus for measuring shock layer radiation distribution about high velocity objects	Development of liquid separating system using capillary device connected to flexible bladder storage chamber [NASA-CASE-XMS-13052] c14 N71-20427 Design and characteristics of system for requenerating fluid filter to remove trapped particles with application to space shuttle systems [NASA-CASE-MSC-14273-1] c12 N73-28179 PLUID PLOW Fluid jet amplifier with fluid from jet nozzle deflected by inlet pressure
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liquid through pipes without use of mechanical	[NASA-CASE-LAR-10868-1] c09 N72-27232
pumps [NASA-CASE-LAR-10799-1]	FLUIDICS Fluidic-thermochromic display device
[NASA-CASE-LAR-10799-1] C12 N/3-12295 Design and development of device to prevent	[NASA-CASE-ERC-10031] c12 N71-18603
geysering during convective circulation of	Plasma-fluidic hybrid display system combining
cryogenic fluids [NASA-CASE-KSC-10615] c15 N73-12486	high brightness and memory characteristics [NASA-CASE-ERC-10100] c09 N71-33519
Constant flow velocity generator for calibrating	Continuous gas flow control by fluidic
hot-wire anemometers	proportional thruster system [NASA-CASE-ARC-10106-1] c28 N72-22769
[NASA-CASE-MFS-21424-1] c12 N73-16248 Laser Doppler velocimeter for simultaneously	Fluid amplifier circuit for control of fluidic
measuring orthogonal fluid velocity components	input signal
without flow field perturbation [NASA-CASE-ARC-10637-1] c14 N73-21390	[NASA-CASE-LAR-10868-1] c09 N72-27232 PLUIDS
[NASA-CASE-ARC-10637-1] c14 N73-21390 Design and development of thermomechanical pump	Automated fluid chemical analyzer for
for transmitting warming fluid through fluid	microchemical analysis of small quantities of
circuit to control temperature of spacecraft	liquids by use of selected reagents and analyzer units
instrumentation [NASA-CASE-NPO-11417] c15 N73-24513	[NASA-CASE-XNP-09451] c06 N71-26754
Design and characteristics of system for	Detection of bacteria in biological fluids and
regenerating fluid filter to remove trapped particles with application to space shuttle	foods [NASA-CASE-GSC-11533-1] c14 N73-13435
systems	Fluid polydimethylsiloxane resin with low
[NASA-CASE-MSC-14273-1] c12 N73-28179	outgassing properties in cured state
PLUID INJECTION Solid propellant ignition with hypergolic fluid	[NASA-CASE-GSC-11358-1] c06 N73-26100 PLUORESCENCE
injected to predetermined portions of propellant	Spectrophotofluorometer with 3-dimensional
[NASA-CASE-XLE-00207] C28 N70-33375	display to identify fluorescence spectra of
Method for igniting solid propellant rocket motors by injecting hypergolic fluids	carcinogenic and noncarcinogenic hydrocarbons [NASA-CASE-XGS-01231] c14 N70-41676
[NASA-CASE-XLE-01988] C27 N71-15634	Sealed fluorescent tube light unit capable of
Constructing fluid spike nozzle to eliminate	connection with other units to form string of work lights
heat transfer and high temperature problems inherent in physical spikes	[NASA-CASE-XKS-05932] c09 N71-26787
[NASA-CASE-XGS-01143] c31 N71-15647	FLUORIDES
Method and apparatus for producing fine	Self lubricating fluoride-metal composite materials for outer space applications
particles in cryogenic liquid bath for gelled	[NASA-CASE-XLE-08511] c18 N71-23710
[NASA-CASE-NPO-1025C] c23 N71-16212	Development of fluoride coating to prevent
Fluid transferring system design for purging	oxidation of beryllium surfaces at elevated
toxic, corrosive, or noxious fluids and fumes from materials handling equipment for	temperatures [NASA-CASE-LEW-10327] c17 N71-33408
cleansing and accident prevention	Perfluoro polyether acyl fluorides
[NASA-CASE-XMS-01905] c12 N71-21089	[NASA-CASE-NPO-10765] c06 N72-20121 FLUORINATION
Tertiary flow injection system for thrust vectoring of propulsive nozzle flow	Fluorinated esters of polycarboxylic acid and
[NASA-CASE-MFS-20831] c28 N71-29153	lubricating compositions for use at extreme

temperature			[NASA-CASE-XLA-04126]	-20 "74 0(770
[NASA-CASE-MFS-21040-1]	c06 N73-30098		Foam insulation thickness measur	c28 N71-26779
PLUOBINE			injection device for spacecraf	t applications
Reaction of polyperfluoropolyenes w	ith fluorine		NASA-CASE-MFS-202611	C14 N71-27005
to produce saturated polymer chai reactive sites on chain	n or create		Description of method for making	homogeneous
[NASA-CASE-NPO-10862]	c06 N72-22107		foamed materials in weightless	environment
PLUORO COMPOUNDS	•		using materials having differe	nt physical
Synthesis of polyfluorobutadiene by			[NASA-CASE-XMF-09902]	c15 N72-11387
polymerization of perfluorobutadi	ene with		Polyimide foams produced in pres	ence of
diisopropyl peroxydicarbonate [NASA-CASE-NPO-10863]	.06 970 44064	-	alkanolamine or siloxane-qlyco.	l polymer
Low pressure perfluorobutadiene pol	c06 N70-11251		[NASA-CASE-ARC-10464-1]	c06 N72-21102
with peroxide catalysts	Amerizacion		POCUSING	. .
[NASA-CASE-NPO-10447]	c06 N70-11252		X ray collimating structure for radiation directly onto detect	tocusing
Oxygen difluoride in synthesis of f	luoropolymers		[NASA-CASE-XHQ-04106]	c14 N70-40240
[NASA-CASE-NPO-12061-1]	c06 N72-21100		Apertured electrode focusing syst	tem for ion
Preparation of fluorohydroxy ethers fluoroalkylene oxides with alkali	by reacting		sources with nonuniform plasma	density
polyfluoroalkylene diol	salt of		[NASA-CASE-XNP-03332]	c09 N71-10618
[NASA-CASE-MFS-10507]	c06 N73-30101		Development and characteristics	of Petzval type
Preparation of fluorinated polyethe	rs from		objective including field shap focusing light of specified way	ing lens for
2-hydro-perhaloisopropyl alcohols			curved photoreceptor	verength band on
[NASA-CASE-MFS-11492]	c06 N73-30102		[NASA-CASE-GSC-10700]	c23 N71-30027
Chemical and elastic properties of	fluorinated		Absolute focus locking device for	microscopes to
polyurethanes [NASA-CASE-NPO-10767-1]	c06 N72 22070		maintain set focus for extended	l time period
FLUOROCARBONS	c06 N73-33076		[NASA-CASE-LAR-10184]	C14 N72-22445
Electrically conductive fluorocarbon	polymers		Electron beam controller using ma refocus spent electron beam in	quetic field to
[NASA-CASE-XLE-06774-2]	c06 N72-25150		oscillator tube	mTCLOM946
PLUOROSCOPY			[NASA-CASE-LEW-11617-1]	c09 N72-28227
Self-scanning chromatographic-fluore	ographic drug		FOILS (MATERIALS)	
detector with optical readout syst	c05 N73-22048		Foil seal between parts moving re	lative to each
PLUTTER			other [NASA-CASE-XLE-05130]	-45 960 04064
Antiflutter check valve for use with	n high		Procedure for making insulating f	c15 N69-21362
pressure fluid flow			multilayer insulating system	off for use in
[NASA-CASE-XNP-01152]	c15 N70-41811		[NASA-CASE-LEW-11484-1]	c15 N73-22415
Development of aerodynamic control s control flutter over large range of	system to		FOLDING	
oscillatory frequencies using stal)I \ili+v		Characteristics of device for fol	ding thin
augmentation techniques	Jiii		flexible sheets into compact co [NASA-CASE-XLA-00137]	
[NASA-CASE-LAR-10682-1]	c02 N73-26004		FOLDING STRUCTURES	c15 N70-33180
PLOX (RATE)			Lenticular vehicle with foldable	aerodynamic
Solid state device for mapping flux nuclear reactor cores	and power in		 control flaps and reaction jets 	for operation
[NASA-CASE-XLE-00301]	c14 N70-36808		above and within earth's atmosp	here
Fluxgate magnetometer for measuring	magnetic		[NASA-CASE-XGS-00260]	c31 N70-37924
field along two axes using one ser	sor		Collapsible, space erectable loop for space vehicle	antenna system
[NASA-CASE-GSC-10441-1]	c14 N71-27325		[NASA-CASE-XMF-00437]	c07 N70-40202
Particle beam power density detection			Unfolding boom assembly with knuc	kle joints for
measurement apparatus	n and		positioning equipment for space	craft
	c14 N70-38602		[NASA-CASE-XGS-00938] Foldable conduit capable of sprin	c32 N70-41367
FLUXES			self erecting structural member	qing back as
Hydrazine monoperfluoro alkanoate so	lder flux		[NASA-CASE-XLE-00620]	c32 N70-41579
leaving corrosion resistant coatin	q, for		Foldable, double cone and parabol	ic reflector
metals such as copper [NASA-CASE-XNP-03459-2]	-10 N74 15600		system for solar ray concentrat	ion
Metal soldering with hydrazine monop	c18 N71-15688		[NASA-CASE-XLA-04622]	CO3 N70-41580
alkanoate for corrosion resistant	coatings		Method for deployment of flexible	wing glider
[NASA-CASE-XNP-03459]	c15 N71-21078		from space vehicle with minimum loading	impact and
POAMS			[NASA-CASE-XMS-00907]	c02 N70-41630
Fire retardant polyisocyanurate foam temperature resistance	with high		Development and characteristics of	f variable
	c18 N70-34695		sweep wing control system for s	upersonic
Plastic foam generator for space weh	icle		aircraft	
instrument payload package flotati	on in water		[NASA-CASE-XLA-03659] Hydraulic actuator design for space	c02 N71-11041
landing			or neat radiators	e gehtolmegr
[NASA-CASE-XLA-00838]	c03 N70-36778		[NASA-CASE-MSC-11817-1]	c15 N71-26611
Continuous variation of propellant f thrust by application of liquid fo	low and		Apparatus and method of assembling	n huilding
theory to injection orifice	am ilow		blocks by folding pre-cut flat :	sheets of
	c28 N70-40367		material during on-site construct [NASA-CASE-MSC-12233-1]	
Development of foam insulation for f	ilament		Electrically conductive wire store	c15 N72-25454
wound cryogenic storage tank			capsule that allows for unfolding	ide III hTA2£1C
[NASA-CASE-XLE-03803]	c15 N71-23816		[NASA-CASE-LAR-10168-1]	c09 N73-22151
Carboxyl terminated polyester prepol foams produced from prepolymers an	ymers and		FOOD	
[NASA-CASE-NPO-10596]	c06 N71-25929		Detection of bacteria in biologica foods	l fluids and
Storage stable, thermally activated	foaming		[NASA-CASE-GSC-11533-1]	c14 N73-13435
compositions for erecting and rigi	dizing		FORCE	
mechanisms of thin sheet solar col. [NASA-CASE-LAR-10373-1]			Electromechanical actuator for pro	ducing
Method of making solid propellant ro	c18 N71-26155		mechanical force and/or motion i	n response to
having reliable high altitude capa	bilities.		electrical signals [NASA-CASE-NPO-11738-1]	-00 1122
long shelf life, and capable of fire	ring with		PORCE DISTRIBUTION	c09 N73-30185
nozzle closure with foamed plastic mandrel	permanent		Device for handling heavy loads by	distributing
manaret			forces	
		I-66		

[NASA-CASE-XNP-04969] c11 N69-27466	Pree flight suspension system for use with
Development of two force component measuring device	aircraft models in wind tunnel tests [NASA-CASE-XLA-00939] c11 N71-15926
[NASA-CASE-XAC-04886-1] C14 N71-20439	FREEZE DRYING
Tensile strength testing device having pulley	Rice preparation process consisting of cooking,
quides for exerting multiple forces on test	two freezing-thawing cycles, and then freeze drying
specimen [NASA-CASE-XNP-05634] c15 N71-24834	[NASA-CASE-MSC-13540-1] .c05 N72-33096
Development and characteristics of device for	PREQUENCY ANALYZERS
indicating and recording magnitude of force	Describing frequency discriminator using digital logic circuits and supplying single binary
applied in axial direction [NASA-CASE-MSC-15626-1] c14 N72-25411	output signal
Variable direction force coupler for	[NASA-CASE-MFS-14322] CO8 N71-18692
transmitting force along selectable curve path	Broadband frequency discriminator with resistive captive inductive networks
[NASA-CASE-MFS-20317] c15 N73-13463 FORMALDEHYDE	[NASA-CASE-NPO-10096] C07 N71-24583
Chemical synthesis of formaldehyde based	Audio frequency analysis circuit for
disinfectants without penetrating odor and eye	determining, displaying, and recording frequency of sweeping audio frequency signal
and ear irritation properties [NASA-CASE-NPO-12115-1] c06 N73-17153	[NASA-CASE-NPO-11147] c14 N72-27408
FORMATES	Continuous Fourier transform method and apparatus
Preparation of polyurethane polymer by reacting	[NASA-CASE-ARC-10466-1] COS N73-21199
hydroxy polyformal with organic diisocyanate [NASA-CASE-MFS-10509] c06 N73-30103	FREQUENCY CONTROL Automatic control of voltage supply to direct
FORMING TECHNIQUES	current motor
Apparatus for forming wire grids for electric	[NASA-CASE-XMS-C4215-1] c09 N69-39987
strain qaqes [NASA-CASE-XLE-00023] c15 N70-33330	Variable frequency magnetic coupled multivibrator with temperature compensated
Hot forming of plastic sheets	frequency control circuit
[NASA-CASE-XMS-05516] c15 N71-17803	[NASA-CASE-XGS-00458] c09 N70-38604
Forming tubes from long thin flat metal strips [NASA-CASE-XGS-04175] c15 N71-18579	Variable frequency magnetic coupled multivibrator with output signal of constant
Portable magnetomotive hammer for metal working	amplitude and waveform
[NASA-CASE-XMF-03793] c15 N71-24833	[NASA-CASE-XGS-00131] c09 N70-38995
Forming mold for polishing and machining curved	Development of automatic frequency discriminators and control for phase lock loop
solar magnesium reflector with reinforcing ribs [NASA-CASE-XLE-08917-2] c15 N71-24836	providing frequency preset capabilities
Heat treatment and tooling for forming shapes	[NASA-CASE-XMF-08665] C10 N71-19467
from thermosetting honeycomb core sheets [NASA-CASE-NFO-11036] c15 N72-24522	Linear accelerator frequency control system [NASA-CASE-XGS-05441] c10 N71-22962
[NASA-CASE-NPO-11036] c15 N72-24522 Pressurized heat treatment of formed superalloy	Tuning arrangement for frequency control of
powder products	magnetron-type electron discharge device
[NASA-CASE-LEW-10805-3] c17 N72-28542 Compression molding apparatus for thermosetting	[NASA-CASE-XNP-09771] c09 N71-24841 Low loss dichroic plate for passing radiation
plastic compositions	within selected frequency band for Cassegrain
[NASA-CASE-LAR-10489-2] c15 N73-31446	antenna feed
POUNDATIONS Base support for expansible and contractible	[NASA-CASE-NPO-13171-1] c07 N73-12150 Automatic frequency control circuit for FM
coupling between two members	television transmitter
[NASA-CASE-NPO-11059] c15 N72-17454	[NASA-CASE-MFS-21540-1] c07 N73-18177 Development of acoustical controlled distributed
POUBLER TRANSFORMATION Photographic film restoration system using	feedback laser with continuous frequency
Fourier transformation lenses and spatial filter	spectrum tuning
[NASA-CASE-MSC-12448-1] c14 N72-20394 Continuous Fourier transform method and apparatus	[NASA-CASE-NPO-13175-1] c16 N73-27431 FREQUENCY CONVERTERS
[NASA-CASE-ARC-10466-1] c08 N73-21199	Frequency to analog converters with unipolar
FRACTIONATION	field effect transistor for determining
Purification apparatus for vaporization and fractional distillation of liquids	potential charge by pulse duration of input signal
[NASA-CASE-XNP-08124] c15 N71-27184	[NASA-CASE-XNP-07040] CO8 N71-12500
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Apparatus for testing metallic and nonmetallic beams or rods by bending at high temperatures	multiple phase output [NASA-CASE-XMF-00663] c08 N71-18752
in vacuum or inert atmosphere	Voltage controlled, variable frequency
[NASA-CASE-XLE-01300] c15 N70-41993	relaxation oscillator with MOSFET wariable current feed
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assembly	Development of family of frequency to amplitude
[NASA-CASE-MSC-11253] c05 N71-12343	converters for frequency analysis of complex
Pliable frame for sunglasses in emergency survival kits	input signal waveforms [NASA-CASE-MSC-12395] c09 N72-25257
[NASA-CASE-XMS-06064] CO5 N71-23096	FREQUENCY DISTRIBUTION
Expandable space frames with high expansion to	Monopole antenna system for maximum
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FRANING CAMERAS	Variable frequency subcarrier oscillator with
High speed photo-optical time recorder for	temperature compensation [NASA-CASE-XNP-03916] c09 N71-28810
indicating time at exposure of each frame of high speed movie camera film	FREQUENCY DIVIDERS
[NASA-CASE-KSC-10294] c14 N72-18411	Modification of conventional digital frequency
FREE FLIGHT TEST APPARATUS	divider to extend frequency range [NASA-CASE-LAR-10730-1] c10 N72-27255
Hydraulic support equipment for full scale dynamic testing of large rocket vehicle under	Low phase noise frequency divider for use with
free flight conditions	deep space network communication system
[NASA-CASE-XMF-01772] c11 N70-41677 Hydraulic support apparatus for dynamic testing	[NASA-CASE-NPO-11569] c10 N73-26229 PREQUENCY DIVISION MULTIPLEXING
of space vehicles under near-free flight	Earth satellite relay station for frequency
conditions	multiplexed voice transmission [NASA-CASE-GSC-10118-1] c07 N71-24621
[NASA-CASE-XMF-03248] c11 N71-10604	RESE-CESE-CISC-19 110-1]

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System for monitoring condition responsive	FREQUENCY STANDARDS
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[NASA-CASE-KSC-10521] c07 N73-20176 PREQUENCY MEASUREMENT	at several ground stations based on signals received from spacecraft or satellites
Measurement system for physical quantity	[NASA-CASE-XNP-08875] c10 N71-23099 FREQUENCY SYNCHRONIZATION
represented by or converted to variable frequency signal	Synchronized digital communication system
[NASA-CASE-MFS-20658-1] c14 N73+30386	[NASA-CASE-XNP-03623] c09 N73-28084 FREQUENCY SYNTHESIZERS
PREQUENCY MODULATION	Digitally controlled frequency synthesizer for
Accelerometer with FM output signals indicative of mechanical strain on it	pulse frequency modulation telemetry systems
[NASA-CASE-XLA-00492] C14 N7G-34799	[NASA-CASE-XGS-02317] c09 N71-23525 FRICTION FACTOR
Circuitry for generating sync signals in FM	Self lubricating gears and other mechanical
communication systems including video , information	parts having surface adapted to frictional
[NASA-CASE-XNP-1683C] CO7 N71-11281	contact [NASA-CASE-MFS-14971] c15 N71-24984
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modulating ac signal carriers close in frequency [NASA-CASE-XMF-C1160]	Kinetic and static friction force measurement
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patterns 90 deg out of phase [NASA-CASE-XGS-05715] c23 N71-16100	FRICTION REDUCTION
[NASA-CASE-XGS-05715] c23 N71-16100 Atomic hydrogen maser with bulb temperature	Development of low friction magnetic recording tape
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television transmitter	[NASA-CASE-LEW-11026-1] c15 N73-33383
[NASA-CASE-MFS-21540-1] c07 N73-18177 Device for locating electrically nonlinear	PRICTIONLESS ENVIRONMENTS
objects and determining distance to object by	Air bearings for near frictionless transfer of loads from one body to another
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[NASA-CASE-KSC-10108] c14 N73-25461 PREQUENCY MULTIPLIERS	Platform with several ground effect pads and plenum chambers
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[NASA-CASE-XMF-04958-1] c10 N71-26414	gravity conditions [NASA-CASE-MFS-12750] c27 N71-16223
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Variable frequency nuclear magnetic resonance spectrometer providing drive signals over wide	Inorganic ion exchange membrane electrolytes for fuel cell use
frequency range and minimizing noise effects	[NASA-CASE-XNP-04264] c03 N69-21337
[NASA-CASE-XNP-09830] c14 N71-26266 Modification of conventional digital frequency	Operation method for combined electrolysis
divider to extend frequency range	device and fuel cell using molten salt to produce power by thermoelectric regeneration
[NASA-CASE-LAR-10730-1] c10 N72-27255	mechanism
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structure with welded seams [NASA-CASE-MFS-20335-1] c14 N72-27421	powdered plastic and metal
NASA-CASE-MFS-20335-1] c14 N72-27421 FREQUENCY SHIFT	[NASA-CASE-XMS-01625] c15 N71-23022 Development and characteristics of ion-exchange
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[NASA-CASE-XGS-02749] c07 N69-39978	[NASA-CASE-XMS-02063] c03 N71-29044 Method for producing asbestos matrix suitable
Serrodyne traveling wave tube reentrant	for use in fuel cell or electrolysis cell
amplifier for synchronous communication satellites operating at microwave frequencies	[NASA-CASE-MSC-12568-1] c18 N73-16577 PUEL CONTROL
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Multiplexed communication system design including automatic correction of transmission	liquid propellant rocket vehicles
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[NASA-CASE-XNP-01306] c07 N71-20814	spacecraft fuel tank
Doppler shifted laser beam as fluid velocity sensor	[NASA-CASE-LAR-10317-1] c32 N7 1-16103
[NASA-CASE-XAC-10770-1] c16 N71-24828	Submerged fuel tank baffles to prevent sloshing in liquid propellant rocket flight
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Gas laser frequency stabilized by position of mirrors in resonant cavity	aircraft gas turbine engine fuel control
[NASA-CASE-XGS-03644] c16 N71-18614	PUBL PLOW
Solid state broadband stable power amplifier [NASA-CASE-XNP-10854] c10 N71-26331	Development of system for preheating vaporized
Transistor circuit with piezoelectric crystal	fuel for use with internal combustion engines
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[NASA-CASE-GSC-11513-1] c09 N73-16185	Solenoid two-step valve for bipropellant flow
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GALLIUM ARSEBIDES SUBJECT INDEX

[NASA-CASE-XMS-04890-1] c15 N70-22192	Filler valve design for supplying liquid
water electrolysis rocket engine with Seli-	propellants at high pressure to space vehicles
regulating stoichiometric fuel mixing regulator	[NASA-CASE-XNP-01747] c15 N71-23024 PUNCTION GENERATORS
[BESE CESE ECO CO.ES]	Mechanical function generators with
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[NASA-CASE-MFS-11204] C14 N71-29134	Digital quasi-exponential function generator
FORL INJECTION	[NASA-CASE-NPO-11130] CO8 N72-20176 Service life of electromechanical device for
Apparatus for cooling and injecting hypergolic propellants into combustion chamber of small	qenerating sine/cosine functions
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[NASA-CASE-NPO-10046] C28 N72-17843 Improved injector with porous plug for bubbles	Purlable antenna for spacecraft
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[NASA-CASE-MSC-12139-1] c28 N71-14058	[NASA-CASE-XLE-04026] C14 N71-2326/ Electric furnace for vacuum and zero gravity
FUEL SYSTEMS	melting of high melting point materials during
Internal labyrinth and shield structure to improve electrical isolation of propellant	earth orbit
feed source from ion thrustor	[NASA-CASE-MFS-20710] c11 N72-23215
rnasa-case-lew-10210-11 c28 N71-26781	PUSION (HELTING)
Development of system for preheating vaporized	Silver chloride use in technique for fusion bonding of graphite to silver, glass,
fuel for use with internal combustion engines [NaSa-Case-NPO-12072] c28 N72-22772	ceramics, and certain other metals
[NASA-CASE-NPO-12072] C28 N72-22772 Development of electronic circuit for	[NASA-CASE-XGS-00963] c15 N69-39735
measurement transducer power supply to be used	process for fiberizing ceramic materials with
med Bulle month of the state of	high fusion temperatures and tensile strength
for liquid level measurement in liquid	High resion temperatures and constraint and account
for liquid level measurement in liquid propellant rocket engines	[NASA-CASE-XNP-00597] c18 N71-23088
propellant rocket engines [NASA-CASE-MFS-21698-1] c09 N73-26196	[NASA-CASE-XNP-00597] c18 N71-23088 PUSION WELDING
propellant rocket engines [NASA-CASE-MFS-21698-1] c09 N73-26196 PRIL TANK PRESSUBIZATION	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers
propellant rocket engines [NaSA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PRESSUBIZATION Fuel tank pressure-relief device for venting	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267
propellant rocket engines [NaSA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PRESSUBIZATION Fuel tank pressure-relief device for venting cryogenic liquid vapors through tubes with	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of
propellant rocket engines [NASA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PRESSUBIZATION Fuel tank pressure-relief device for venting cryoqenic liquid vapors through tubes with portous plug [NASA-CASE-XLE-00288] c15 N70-34247	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire
propellant rocket engines [NaSA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PRESSUBIZATION Fuel tank pressure-relief device for venting cryoqenic liquid vapors through tubes with porous pluq [NaSA-CASE-XLE-00288] c15 N70-34247 Automatically reciprocating, high pressure pump	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393
propellant rocket engines [NASA-CASE-MFS-21698-1]	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Solid state welding of butt joint by fusion
propellant rocket engines [NASA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PERSSUBIZATION Fuel tank pressure-relief device for venting cryoqenic liquid vapors through tubes with porous pluq [NASA-CASE-XLE-00288] c15 N70-34247 Automatically reciprocating, high pressure pump for use in spacecraft cryoqenic propellants [NASA-CASE-XNP-04731] c15 N71-24042	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Solid state welding of butt joint by fusion welding, surface cleaning, and heating in air [NASA-CASE-LEW-11387-1] c15 N72-25471
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propellant rocket engines [NASA-CASE-MFS-21698-1] c09 N73-26196 FUEL TANK PERSSUBIZATION Fuel tank pressure-relief device for venting cryoqenic liquid vapors through tubes with porous pluq [NASA-CASE-XLE-00288] c15 N70-34247 Automatically reciprocating, high pressure pump for use in spacecraft cryoqenic propellants [NASA-CASE-XNP-04731] c15 N71-24042	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Solid state welding of butt joint by fusion welding, surface cleaning, and heating in air [NASA-CASE-LEW-11387-1] c15 N72-25471 Electrical resistance butt welder for welding fine gauge tungsten/thenium thermocouple wire
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propellant rocket engines [NASA-CASE-XNF-01698-1] FUEL TANK PERSSURIZATION Fuel tank pressure-relief device for venting cryoqenic liquid vapors through tubes with porous pluq [NASA-CASE-XLE-00288] Automatically reciprocating, high pressure pump for use in spacecraft cryoqenic propellants [NASA-CASE-XNF-04731] Method and apparatus for pressurizing propellant tanks used in propulsion motor feed system [NASA-CASE-XNP-00650] FUEL TANKS Reduced gravity liquid configuration simulator to study propellant behavior in rocket fuel tanks [NASA-CASE-XLE-02624] Flexible ring slosh damping baffle for spacecraft fuel tank	[NASA-CASE-XNP-00597] c18 N71-23088 FUSION WELDING Fabricating solar cells with dielectric layers to improve glass fusion [NASA-CASE-XGS-04531] c03 N69-24267 Control of fusion welding through use of thermocouple wire [NASA-CASE-MFS-06074] c15 N71-20393 Solid state welding of butt joint by fusion welding, surface cleaning, and heating in air [NASA-CASE-LEW-11387-1] c15 N72-25471 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASF-LAR-10103-1] c15 N73-14468 GADOLINIUM Doping silicon material with gadolinium to increase radiation resistance of solar cells
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Graded band gap p-n junction gallium	moving heavy loads
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I NASA-CASE-LAR+11174-1] cO3 N73-26047 GALVANIC SKIN RESPONSE	GAS CHROMATOGRAPHY
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[NASA-CASE-MFS-21441-1] c14 N73-30392 GANTEY CRANES	I NASA-CASE-ARC-10344-11 616 N72-21/122
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[NASA-CASE-XFR-10856] c05 N71-11189	containers including vacuum chamber, mass
GAS ANALYSIS	spectrometer, and gas chromatography [NASA-CASE-GSC-10903-1] C14 N73-12444
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absorption cell for gas analysis	measurement
[NASA-CASE-LAR-10305] c14 N71-26137	[NASA-CASE-XAC-02877] c14 N70-41681
Ion microprobe mass spectrometer with cooled	Device for simultaneously determining density,
electrode target for analyzing traces of fluids	velocity, and temperature of streaming gas
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Nondispersive gas analysis using radiation	minimizing power distribution and perturbation
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[NASA-CASE-XMF-07808] c15 N71-23812 Low friction gas bearing system for fluid power	accelerator with interconnected annular and
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I NASA-CASE-ERC-100971	[NASA-CASE-XLA-03103]
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·	Zeolite, silica gel, and charcoal
T=70	1

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Method and apparatus for producing very low	Laser utilizing infrared rotation transitions of diatomic gas for production of different
temperature refrigeration based on gas	wavelengths
pressure balance [NASA-CASE-XNP-08877] c15 N71-23025	[NASA-CASE-ARC-10370-1] c16 N72-10432
[NASA-CASE-XNP-08877] C15 N/1-23025 Gas-operated actuator with cyclic motion of	GAS LUBRICANTS
expansion chamber	High temperature gas lubricant consisting of two
[NASA-CASE-NPO-11340] c15 N72-33477	fluoro-bromo-methanes
GAS PLOW	[NASA-CASE-XLE-00353] c18 N70-39897
Tubular flow restrictor for gas flow control in	GAS MASERS
pipeline	Solid state chemical source for ammonia beam
[NA SA-CASE-NPO-10117] C15 N71-15608	masers NASA-CASE-XGS-015641
Developing high pressure gas purification and	[NASA-CASE-XGS-01564] c16 N70-41578 Atomic hydrogen maser with bulb temperature
filtration system for use in test operations	control by output frequency difference signal
of space vehicles [NASA-CASE-MFS-12806] c14 N71-17588	for wall shift elimination
Burst diaphragm flow initiator for installation	[NASA-CASE-HQN-10654-1] c16 N73-13489
in short duration wind tunnels	GAS HIXTURES
[NASA-CASE-MFS-12915] C11 N71-17600	Gas analyzer for bi-qaseous mixtures suitable
Color photointerpretation of interference colors	for use in test facilities
reflected from thin film oil-coated components	[NASA-CASE-XLA-01131] c14 N71-10774
in moving gases for gas flow visualization	Equipment for measuring partial water vapor pressure in gas tank
[NASA-CASE-XMF-01779] c12 N71-20815	[NASA-CASE-XMS-01618] c14 N71-20741
Transducer for monitoring oxygen flow in	Separation cell with permeable membranes for
respirator [NASA-CASE-FRC-10012] c14 N72-17329	fluid mixture component separation
Design, development, and operation of shock tube	[NASA-CASE-XMS-02952] C18 N71-20742
with bypass piston tunnel	Gas chromatographic method for analyzing
[NASA-CASE-NPO-12109] c11 N72-22245	hydrogen deuterium mixtures
Continuous gas flow control by fluidic	[NASA-CASE-NPO-11322] c06 N72-25146
proportional thruster system	GAS PIPES Tubular flow restrictor for gas flow control in
[NASA-CASE-ARC-10106-1] C28 N72-22769	pipeline
Development of filter apparatus for gas separation and characteristics of filter cell	[NASA-CASE-NPO-10117] c15 N71-15608
support frame for improved operation	GAS PRESSURE
[NASA-CASE-MSC-12297] C14 N72-23457	Expulsion and measuring device for determining
Pressurized inert gas feed for lighting system	quantity of liquid in tank under conditions of
[NASA-CASE-KSC-10644] CO9 N72-27227	weightlessness
Development of method for controlling vapor	. [NASA-CASE-XMS-01546] c14 N70-40233
content of gas	Dynamic sensor for qas pressure or density measurement
[NASA-CASE-NPO-10633]	
Gas flow control device, including housing and	[NASA-CASE-XAC-02877] c14 N70-41681
Gas flow control device, including housing and input port	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment
Gas flow control device, including housing and input port	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density,
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] Device for measuring stagnation pressure of
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-HFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERBATORS	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GEMERATORS Chlorine generator for purifying water in life	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density,
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XIA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TURBINE ENGINES
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GEMERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TURBINE ENGINES Variable-orifice hydraulic mechanism for
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator	[NASA-CASE-XAC-02877] c14 N70-41681 Mide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TORBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TURBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TORBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in qas turbine engines
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TURBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in gas turbine engines [NASA-CASE-LEW-111593-1] c28 N73-25816
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TUBBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in gas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-NLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TOBBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in qas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance qas turbine engines
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TURBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in gas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine engines [NASA-CASE-LEW-11326-1] c23 N73-30665
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NEO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TUBBINE BUGINES Variable-orifice hydraulic mechanism for aircraft gas turbine enqine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in qas turbine enqines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine enqines [NASA-CASE-LEW-11326-1] c23 N73-30665
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479]	NASA-CASE-XAC-02877]
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic gas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming gas [NASA-CASE-XLA-03375] c16 N71-24074 GAS TUBBINE BNGINES Variable-orifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in gas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine engines [NASA-CASE-LEW-11326-1] c23 N73-30665 GAS TUBBINES Method for maintaining good performance in gas turbine during air flow distortion [NASA-CASE-LEW-10286-1] c28 N71-28915
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479]	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-LAR-11139-1] c16 N71-24074 GAS TUBBINE BNGINES Variable enrifice hydraulic mechanism for aircraft gas turbine engine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in qas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine engines [NASA-CASE-LEW-11326-1] c23 N73-30665 GAS TURBINES Method for maintaining qood performance in qas turbine during air flow distortion [NASA-CASE-LEW-10286-1] Exhaust nozzle for reducing noise in qas
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NPO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants	NASA-CASE-XAC-02877 c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment (NASA-CASE-ARC-10263-1) c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas (NASA-CASE-XLA-03375 c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams (NASA-CASE-LAR-11139-1) c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas (NASA-CASE-XLA-03375 c16 N71-24074 GAS TUBBINE ENGINES Variable-orifice hydraulic mechanism for aircraft gas turbine enqine fuel control (NASA-CASE-LEW-11187-1) c28 N73-19793 Airflow distribution control in qas turbine enqines (NASA-CASE-LEW-11593-1) c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine enqines (NASA-CASE-LEW-11326-1) c23 N73-30665 GAS TUBBINES Method for maintaining qood performance in qas turbine during air flow distortion (NASA-CASE-LEW-10286-1) c28 N71-28915 Exhaust nozzle for reducing noise in qas turbines by mixing low velocity air with high
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819	[NASA-CASE-XAC-02877] c14 N70-41681 Wide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment [NASA-CASE-ARC-10263-1] c14 N72-22438 GAS STREAMS Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-XLA-03375] c16 N71-24074 Device for measuring stagnation pressure of supersonic qas streams [NASA-CASE-LAR-11139-1] c14 N73-20483 GAS TEMPERATURE Device for simultaneously determining density, velocity, and temperature of streaming qas [NASA-CASE-LAR-11139-1] c16 N71-24074 GAS TUBBINE BNGINES Variable-orifice hydraulic mechanism for aircraft gas turbine enqine fuel control [NASA-CASE-LEW-11187-1] c28 N73-19793 Airflow distribution control in qas turbine engines [NASA-CASE-LEW-11593-1] c28 N73-25816 Swirl can, full-annulus combustion chambers for high performance gas turbine engines [NASA-CASE-LEW-11326-1] c23 N73-30665 GAS TUBBINES Method for maintaining qood performance in qas turbine during air flow distortion [NASA-CASE-LEW-10286-1] c28 N71-28915 Exhaust nozzle for reducing noise in qas turbines by mixing low velocity air with high velocity engine exhaust
Gas flow control device, including housing and input port [NASA-CASE-NPO-11479]	NASA-CASE-XAC-02877 c14 N70-41681 Nide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment (NASA-CASE-ARC-10263-1) c14 N72-22438 GAS STREAMS
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-LAR-0319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819 GAS IONIZATION Flectrostatic modulator for communicating	NASA-CASE-XAC-02877]
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819 GAS IONIZATION Electrostatic modulator for communicating through plasma sheath formed around spacecraft	NASA-CASE-XAC-02877 c14 N70-41681 Nide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment (NASA-CASE-ARC-10263-1) c14 N72-22438 GAS STREAMS
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XIE-03494] c27 N71-21819 GAS IONIZATION Electrostatic modulator for communicating through plasma sheath formed around spacecraft during reentry	NASA-CASE-XAC-02877]
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Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-LAR-0319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819 GAS IONIZATION Electrostatic modulator for communicating through plasma sheath formed around spacecraft during reentry [NASA-CASE-XLE-03494] c07 N70-41331 Hultichannel photoionization chamber for measuring absorption, photoionization yield, and coefficients of gases	NASA-CASE-XAC-02877]
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENBRATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-XLA-08913] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NPO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-XAC-00319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819 GAS IONIZATION Electrostatic modulator for communicating through plasma sheath formed around spacecraft during reentry [NASA-CASE-XLA-01400] c07 N70-41331 Hultichannel photoionization chamber for measuring absorption, photoionization yield, and coefficients of gases [NASA-CASE-ERC-10044-1] c14 N71-27090	NASA-CASE-XAC-02877 c14 N70-41681 Nide range dynamic pressure sensor with vibrating diaphragm for measuring density and pressure of gaseous environment (NASA-CASE-ARC-10263-1) c14 N72-22438 C15 N72-22438 C16 N71-22438 C16 N71-22438 C16 N71-24074 C16 N71-
Gas flow control device, including housing and input port [NASA-CASE-NFO-11479] c15 N73-13462 Constant flow velocity generator for calibrating hot-wire anemometers [NASA-CASE-MFS-21424-1] c12 N73-16248 Development and characteristics of device for removing condensate from heat exchangers with straight through gas flow [NASA-CASE-MSC-14143-1] c33 N73-32823 GAS GENERATORS Chlorine generator for purifying water in life support systems of manned spacecraft [NASA-CASE-XLA-08913] c14 N71-28933 Gas operated quick disconnect coupling for umbilical connectors [NASA-CASE-NFO-11202] c15 N72-25450 Actuator operated by electrolytic drive gas generator and evacuator [NASA-CASE-NFO-11369] c15 N73-13467 Development and operating principles of gas generator for deploying recovery parachutes from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898 GAS GUNS Electric arc device for minimizing electrode ablation and heating gases to supersonic or hypersonic wind tunnel temperatures [NASA-CASE-LAR-0319] c25 N70-41628 GAS INJECTION Pressurized gas injection for burning rate control of solid propellants [NASA-CASE-XLE-03494] c27 N71-21819 GAS IONIZATION Electrostatic modulator for communicating through plasma sheath formed around spacecraft during reentry [NASA-CASE-XLE-03494] c07 N70-41331 Hultichannel photoionization chamber for measuring absorption, photoionization yield, and coefficients of gases	NASA-CASE-XAC-02877]

Three-port transfer valve with one port open	[NASA-CASE-MFS-14971] c15 N71-24984
continuously suitable for manned space flight	Development and characteristics of concentric
[NASA-CASE-XAC-01158] c15 N71-23051	output differential gearing system
GAS_WELDING	[NASA-CASE-ARC-10462-1] c15 N73-29459
Emission spectroscopy method for contamination	GELLED ROCKET PROPELLANTS
monitoring of inert gas metal arc welding	Method and apparatus for producing fine
[NASA-CASE-XMF-02039] c15 N71-15871	particles in cryogenic liquid bath for gelled
GASEOUS DIFFUSION	rocket propellants
Gas purged dry box glove reducing permeation of	[NASA-CASE-NPO-10250] c23 N71-16212
air or moisture into dry box or isolator by	GELS 6252 210 10250) 623 N/1210212
diffusion through glove	Intermittent type silica gel adsorption
[NASA-CASE-XLE-02531] cc5 N71-23080	refrigerator for providing to adsorption
Gaseous core diffusion nuclear reactor for	refrigerator for providing temperature control
thermal energy generation	for spacecraft components
[NASA-CASE-LEW-10250-1] c22 N71-28759	[NASA-CASE-XNP-00920] c15 N71-15906
GASEOUS FISSION REACTORS	Chemical synthesis of formaldehyde based
Nuclear gaseous reactor for heating working	disinfectants without penetrating odor and eye
fluid to high temperatures	and ear irritation properties
	[NASA-CASE-NPO-12115-1] c06 N73-17153
	GENERATORS
Gaseous core diffusion nuclear reactor for	Constant flow velocity generator for calibrating
thermal energy generation	not-wire anemometers
[NASA-CASE-LEW-10250-1] c22 N71-28759	[NASA-CASE-MFS-21424-1] c12 N73-16248
GASEOUS ROCKET PROPELLANTS	GINBALS
Electrostatic ion engines using high velocity	Gimbaled partially submerged nozzle for solid
electrons to ionize propellant	propellant rocket engines for providing
[NASA-CASE-XLE-00376] c28 N70-37245	directional control
Detonation reaction engine comprising outer	[NASA-CASE-XMF-01544] C28 N70+34162
housing enclosing pair of inner walls for	Inertial qimbal aliqnment system for spacecraft
continuous flow	quidance
[NASA-CASE-XMF-06926] c28 N71-22983	[NASA-CASE-XMF-01669] c21 N71-23289
GASES	Three stage motion restraining mechanism for
Apparatus and process for volumetrically	restraining and damping three dimensional
dispensing reagent quantities of volatile	vibrational movement of gimballed package
chemicals for small batch reactions	during launch of spacecraft
[NASA-CASE-NPO-10070] c15 N71-27372	
High speed scanner for measuring mass of	[NASA-CASE-GSC-10306-1] c15 N71-24694
preselected gases at high sampling rate	Hermetically sealed vibration damper design for
[NASA-CASE-LAR-10766-1] C14 N72-21432	use in gimbal assembly of spacecraft inertial
Observation window for internal gas confining	quidance system
chamber	[NASA-CASE-MSC-10959] c15 N7 1-26243
[NASA-CASE-NPO-10890] C11 N73-12265	Low friction bearing and lock mechanism for
Device for detection of combustion light	two-axis gimbal carrying satellite payload
preceding gaseous explosions	[NASA-CASE-GSC-10556-1] c31 N71-26537
[NASA-CASE-LAR-10739-1] c14 N73-16484	GLANDS (SEALS)
GASKETS	Development of mating flat surfaces to inhibit
Leakproof soft metal seal for use in very high	leakage of fluid around shafts
vacuum systems operating at cryogenic	[NASA-CASE-XLE-10326-2] c15 N72-29488 GLASS
temperatures	
[NASA-CASE-XGS-02441] c15 N70-41629	Fabricating solar cells with dielectric layers to improve glass fusion
Laminated polyquinoxaline resin/fiberglass	F. 11.01
gasket, resistant to ionizing radiation and	Reduced gravity liquid configuration simulator
liquid hydrogen temperatures	to study propellant behavior in rocket fuel
[NASA-CASE-MFS-21364] c15 N72-20460	tanks
GATES (CIRCUITS)	f vaca and and and and and and and and and an
Flux gate magnetometer with toroidal gating coil	NASA-CASE-XLE-02624] c12 N69-39988
and solenoidal output coil for signal	Metal pattern bonding technique for cover glass
modulation or amplification	attachment to silicon solar cells for space
[NASA-CASE-XGS-01881] C09 N70-40123	applications
Silicon controlled rectifier pulse gate	[NASA-CASE-XLE-08569] c03 N71-23449
amplifier for blocking false gating caused by	Apparatus for applying thin glass slides to
negative transient voltages	solar cells
[NASA-CASE-XLA-07497] c09 N71-12514	[NASA-CASE-NPO-10575] c03 N72-25019
Logic AND gate for fluid circuits	Silicon solar cell with plastic film binding to
[NASA-CASE-XLA-07391] c12 N71-17579	cover glass
Synchronous counter design incorporating	[NASA-CASE-LEW-11065-2] c03 N73-26048
cascaded binary stages driven by previous	GLASS COATINGS
stages and inpute themat warp and	Method of attaching cover glass to silicon solar
stages and inputs through NAND gates [NASA-CASE-XGS-02440] c08 N71-19432	cell without using adhesive
[NASA-CASE-XGS-02440] c08 N71-19432	[NASA-CASE-XLE-08569-2] c03 N71-24681
Switching series regulator with gating control network	Helium outqassing process for fused glass
F N 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	coating on ion accelerator grid
[NASA-CASE-XMS-09352] c09 N71-23316	[NASA-CASE-LEW-10278-1] c15 N71-28582
Gated compressor, distortionless signal limiter	Development of process for constructing
with plurality of channels	protective covers for solar cells
[NASA-CASE-NPO-11820-1] c07 N72-28166	[NASA-CASE-GSC-11514-1] c03 N72-24037
GATES (OPENINGS)	GLASS ELECTRODES
Longitudinalfilm gate and lock mechanism for	Liquid junction for glass electrode or pH meters
securing film in motion picture cameras under	[NASA-CASE-NPO-10682] c15 N70-34699
vibration and high acceleration loads	GLASS PIBERS
[NASA-CASE-LAR-10686] C14 N71-28935	Nonmagnetic hermetically sealed battery case
GEARS	made of epoxy resin and woven glass tape for
Precision stepping drive device using cam disk	use with electrochemical cells in spacecraft
[NASA-CASE-MFS-14772]	[NASA-CASE-XGS-008861
Gearing system for eliminating backlash and	Lathe tool and holder combination for machining
filtering input torque fluctuations from high	resin impregnated fiberglass cloth laminates
inertia load	[NASA-CASE-XLA-10470] C15 N72-21/00
[NASA-CASE-XGS-04227] c15 N71-21744	Development of procedure for repairing
Self lubricating gears and other mechanical	fiberglass structures which retains geometry
parts having surface adapted to frictional	and attended to the second to
contact	and strength of original structure [NASA-CASE-LAR-10416-1] c15 N72-27527

Development and characteristics of po	-1-1-11	•	
impregnated laminates with fibergla	oranide	GRAVITY GRADIENT SATELLITES	
backing for application as printed	circuit	Stabilization system for gravity-or satellites using single damper ro	riented
broads		[NASA-CASE-XAC-01591]	oa c31 N71-17729
[NASA-CASE-MFS-20408]	c18 N73-12604	Method of stationkeeping for lentic	ular gravity
GLIDE PATHS		dradient satellites	Jarar gravity
Development and characteristics of sy integrated control of engine power	ystem for	[NASA-CASE-XLA-03132]	c31 N71-22969
aerodynamic configuration of aircra	and aft during	GRAVITY GRADIOMETERS	
landing approach	are during	Gravity device for accurate and rap	id indication
[NASA-CASE-ARC-10456-1]	02 N73-30938	of relative gravity conditions ab accelerating carrier	oard
GLOBES		[NASA-CASE-XMF-00424]	c11 N70-38196
Orbital and entry tracking accessory	mounted on	Gravity gradient attitude control s	vstem with
<pre>global map to provide range require reentry vehicles to any landing sit</pre>	ements for	gravity gradiometer and reaction	wheels for
	:14 N72-21416	artificial satellite attitude con	
GLOVES		[NASA-CASE-GSC-10555-1]	c21 N71-27324
Gas purged dry box glove reducing per	meation of	Process for fabricating matched pai	rs of dishod
air or moisture into dry box or iso	olator by	screen and accelerator grids for	ion thruster
diffusion through glove [NASA-CASE-XLE-02531]	:05 N71-23080	accelerator system	
GLOW DISCHARGES	303 N/1-23080	[NASA-CASE-LEW-11694-1]	c28 N73-22721
Development of method for applying me	etal allov	GRINDING (MATERIAL REMOVAL) Laser device for removing material	
film or coating to irregular shaped	metal object	object for dynamic balancing	from rotating
[NASA-CASE-LEW-11262-1] C	:17 N71-34455	[NASA-CASE-MFS-11279 1	c16 N71-20400
Use of enzyme hexokinase and glucose		Grinding mixtures of powdered metal	s and inert
inherent light levels of ATP in luc	to reduce	fillers for conversion to halide	
compositions	rrerase	[NASA-CASE-LEW-10450-1]	c15 N72-25448
[NASA-CASE-XGS-05533] C	:04 N69-27487	GRINDING MACHINES Tool positioning holder for grinding	- 1 1 11
GLYCOLS		nose milling cutter	g by ball
Polyimide foams produced in presence	of	[NASA-CASE-LAR-10450-1]	c15 N73-10504
alkanolamine or siloxane-qlycol pol [NASA-CASE-ARC-10464-1] c		GROOVES	
GOLD COATINGS	06 N72-21102	Nonreuseable energy absorbing device	e comprising
Lithium drifted silicon radiation det	ector with	ring member with plurality of reco	99999
qold rectifying contacts	cotor with	cutting members, and guide member each recess	mounted in
[NASA-CASE-XLE-10529] C	14 N69-23191	[NASA-CASE-XMF-10040]	o15 N71 00077
GONDOLAS		Spiral groove seal for rotating sha	c15 N71-22877
System for controlling torque buildup	in	[NASA-CASE-XLE-10326-4]	c15 N72-27522
suspension of qondola connected to parachute shroud lines	balloon by	GROUND EFFECT MACHINES	
	02 N73-13008	Hovering type flying vehicle design	and
GRANULAR MATERIALS		principle mechanisms for manned on [NASA-CASE-MSC-12111-1]	
Development of device for separating,		Platform with several ground effect	c02 N71-11039
collecting, and viewing soil partic		plenum chambers	paus and
[NASA-CASE-XNP-09770] C	15 N71-20440	[NASA-CASE-MFS-14685]	c31 N71-15689
Silver chloride use in technique for	fucion	Tubular guideway for high speed grou	ind effect
bonding of graphite to silver, glass	rusion S.	machines	
ceramics, and certain other metals	-,	[NASA-CASE-LAR-10256-1] Design and development of active con	c11 N72-20253
[NASA-CASE-XGS-00963] c	15 N69-39735	IOF all Cushion vehicle to reduce	or oliminata
Diffusion bonded graphite reinforced a composites	aluminum	effects of excessive vertical vibr	catory
****	10 871 20502	acceleration	
GRATINGS (SPECTRA)	18 N71-34502	[NASA-CASE-LAR-10531-1]	c02 N73-13023
Concave grating spectrometer for use i	in near and	GROUND HANDLING	
vacuum ultraviolet regions		Supporting and protecting frame stru plug for empty thrust chamber asse	cture and
	14 N70-40003	handling, and shipping	:mDIY,
GRAVIMETERS		[NASA-CASE-XMF-00580]	c11 N70-35383
Device for determining acceleration of by interferometric measurement of tr	r gravity	GROUND STATIONS	
falling body	ravel of	Traffic control system for supersoni	c transports
[NASA-CASE-XMF-05844] C1	14 N71-17587	using synchronous satellite for da between vehicles and ground statio	ta relay
GRAVITATION		I NASA-CASE-GSC-10087-11	c02 N71-10207
Design of precision vertical alignment	system	Spacecraft transponder and ground st	ation radar
using laser with gravitationally sen	asiti v e	system for mapping planetary surfa	ces
• • • • • • • • • • • • • • • • • • • •	16 N73-33397	NASA-CASE-NPO-110011	c07 N72-21118
GRAVITATIONAL CONSTANT		GROUND SUPPORT EQUIPMENT	
Gravity device for accurate and rapid	indication	Equipment for testing of ground stat equipment and spacecraft transpond	ion ranging
of relative gravity conditions aboar	:d		ers c07 N71-12391
accelerating carrier		Controlled release device for use in	launching
[NASA-CASE-XMF-00424] c1 GRAVITATIONAL RFFECTS	11 N70-38196	rockets or missiles	2 delicating
Computation method and apparatus for p	redicting	[NASA-CASE-XKS-03338]	c15 N71-24043
solar flares by correlating planetar	.A	GROUND-AIR-GROUND COMMUNICATIONS	
ephemeris data with gravitational fo	rce	Fabry-Perot interferometer retrodire reflector modulator for optical co	ctive
effects on sun		I NASA-CASE-XGS-044801	C16 N6C-27001
[NASA-CASE-ERC-10323-1] c3	6 N70-22183	Closed loop radio communication range	ing eyetom
Gravity environment simulation by loco restraint aid for studying manual op	motion and	to determine distance between moving	ng airborne
performance of astronauts at zero gr	ergrion	vehicle and fixed ground station	
[NASA-CASE-ARC-10153] c0	5 N71-28619	[NASA-CASE-XNP-01501]	c21 N70-41930
GRAVITATIONAL FIELDS		Location identification system with c transmitter and aircraft borne rec	ground based
Difference indicating circuit used in		[NASA-CASE-ERC+10324]	elver/decoder c07 N72-25173
conjunction with device measuring		GUIDANCE (MOTION)	
gravitational fields [NASA-CASE-XNP-08274] c1	0 x71-12527	Hovering type flying vehicle design :	and
, can ant 002143 C3	0 N71-13537 I-7	principle mechanisms for manned or	unmanned use
	1-/	J	

[NASA-CASE-MSC-12111-1]	c02 N71-11039	ш	
Development of adjustable attitude q for setting pins perpendicular to	uide block irregular	н	
convex work surface		HAPHIUM	
[NASA-CASE-XLA-079111	c15 N71-15571	Thermal shock resistant hafnia cera [NASA-CASE-LAR-10894-1]	c18 N73-14584
Longitudinalfilm gate and lock mecha securing film in motion picture ca	nism for meras under	HALIDES	
wibration and high acceleration lo	ads	Grinding mixtures of powdered metal:	s and inert
f na sa - case - lar - 10686 1	c14 N71-28935	fillers for conversion to halide [NASA-CASE-LEW-10450-1]	c15 N72-25448
Combination guide and rotary bearing moving shaft	. IOI ILEGIA	HALL EPPECT	
[NASA-CASE-XLA-00013]	c15 N71-29136	Current measurement by use of Hall	effect
Guide member for stabilizing cable o	f open shaft	qenerator [NASA-CASE-XAC-01662]	c14 N71-23037
elevator [NASA-CASE-KSC-10513]	c15 N72-25453	Brushless dc tachometer design with	Hall effect
GUIDANCE SENSORS		crystals and output voltage magni proportional to rotor speed	tude
Light sensitive digital aspect sensor attitude control of earth satellit	or for es or space	[NASA-CASE-MPS-20385]	c09 N71-24904
probes		Development of Hall effect transduc	er for
	c14 N70-34158	converting mechanical shaft rotat proportional electrical signals	ions into
Guidance analyzer having suspended s simulating sphere for astronavigat	ion	[NASA-CASE-LAR-10620-1]	c09 N72-25255
r na sa - case - x np - 09572 1	C14 N/1-15621	Development and characteristics of with single Bi2Se3 crystal as sen	magnetometer
Optical gauging system for monitoring	ng machine	[NASA-CASE-LEW-11632-1]	c14 N72-25440
tool alignment [NASA-CASE-XAC-09489-1]	c15 N71-26673	Hall effect magnetometer for measur	ing magnetic
Development of light sensing system	for	fields [NASA-CASE-LEW-11632-2]	c14 N73-29437
controlled orientation of object r sun or other light source	celative to	Speed control system for dc motor e	
[NASA-CASE-NPO-11311]	c14 N72-25414	brushless Hall effect device	c09 N73-32107
CULTUR VANES	rhino inlet	[NASA-CASE-MFS-20207-1] HALL GENERATORS	CU9 N/3-32107
Design and development of movable to quide vanes to provide aerodynamic	choking for	Current measurement by use of Hall	effect
jet engine		<pre>qenerator [NASA-CASE-XAC-01662]</pre>	14 N71-23037عـ
[NASA-CASE-LAR-10642-1]	c28 N72-27820	HALOGENS	
GUN LAUNCHERS Self-obturating gas-operated launche	er for	Modification of polyurethanes with	alkyl halide
launching projectiles in decontam:	inated medium c11 N72-22247	resins, inorganic salts, and enca volatile and reactive halogen for	fuel fire
[NASA-CASE-NPO-11013] GUNN EFFECT	CT1 N/2-22247	control	
Voltage tunable Gunn effect semicon	ductor for	[NASA-CASE-ARC-10098-1]	c06 N71-24739
microwave generation	c09 N71-18721	HAMBERS Exponential horn, copper plate, mag	netic hammer,
[NASA-CASE-XER-07894] Gunn effect microwave diodes with R	P shielding	and anvil in apparatus for making	g diamonds
r na sa - case - erc - 10 119 1	c26 N72-21701	[NASA-CASE-MPS-20698] HAND (ANATOMY)	c15 N72-20446
Multiterminal Gunn-type semiconduct generator for producing stable si	gnals	Mechanically operated hand which ca	n depress
[NASA-CASE-XER-07895]	c26 N72-25679	trigger using touch control device	c15 N72-21463
Microwave generator using Gunn effe	ct for	[NASA-CASE-MFS-20413] HANDLING EQUIPMENT	C15 1172 21405
magnetic tuning [NASA-CASE-NPO-12106]	c09 N73-15235	Supporting and protecting frame str	ucture and
GYRATORS	mational	plug for empty thrust chamber as: handling, and shipping	semptà,
Design of gyrator circuit using ope amplifiers to replace ungrounded	inductors	[NASA-CASE-XMF-00580]	c11 N70-35383
f nasa-case-xac-10608-1]	CO9 N/1-1251/	Handling tool for printed circuit of NASA-CASE-MFS-20453]	cards c15 N71-29133
Design of integrated circuit with t and feedback stabilization for si	wo ampilitiers	HARDENING	
gyrator		Boron radiation hardening for stab:	ilizing gate
[NASA-CASE-MFS-22343-1] Gyrator circuit using MOS field eff	c09 N73-18224	threshold potential of MOS device [NASA-CASE-GSC-11425-2]	c09 N73-32114
[NASA-CASE-MFS-21433]	c09 N73-20232	HARMONIC GENERATORS	
Integrated circuit power gyrator wi	th Z-matrix	Wideband generator for producing s quadrature and second harmonic o	ine wave f input signal
design using parallel transistors [NASA-CASE-MFS-22342-1]	c09 N73-24236	[NASA-CASE-NPO-11133]	c10 N72-20223
GYROSCOPRS	_	HARNESSES	for
Externally pressurized air bearing	for qyros	Helmet and torso tiedown mechanism shortening pressure suits upon i	nflation
operating in high temperature, lo	of drawity	[NASA-CASE-XMS-00784]	c05 N71-12335
[NASA-CASE-XMF-00515]	c15 N70-34664	One hand backpack harness [NASA-CASE-LAR-10102-1]	c05 N72-23085
Air bearings for spacecraft gyros [NASA-CASE-XMF-00339]	c15 N70-39896	Combined shoulder harness and lap	belt restraint
Development of spacecraft experimen		system for use in aircraft or au	tomobiles c05 N72-31117
and attitude control system	c21 N71-14132	[NASA-CASE-ARC-10519-1] HATCHES	COS 1172-31117
[NASA-CASE-XLA-05464] Spin stabilized gyroscope having sp		Design and specifications of emerg	ency escape
and stationary platform		system for spacecraft structures [NASA-CASE-MSC-12086-1]	c05 N71-12345
[NASA-CASE-GSC-11479-1] Temperature corrected circuit for o	c21 N73-11680	HEART FUNCTION	
accelerometer of digital rebalance	ce type	Ultrasonic biomedical system for m recording movements of organs su	easuring and
[NASA-CASE-NPO-13044-1] Strapped down gyroscope aligned wit	c14 N73-13436	recording movements of organs su valves	
star tracker optical axis calibra	ating roll,	[NASA-CASE-ARC-10597-1]	c05 N72-31116
yaw and pitch values	c31 N73-32784	Development of instantaneous readi for measuring electrocardiogram	ny tacmometer signal rate
(NASA-CASE-ARC-10716-1) GYBOSTABILIZERS	C31 N/3-32/84	[NASA-CASE-MFS-20418]	c14 N73-24473
Spin stabilized gyroscope having s	pining rotor	HEART RATE	ting circuit
and stationary platform [NASA-CASE-GSC-11479-1]	c21 N73-11680	Digital cardiotachometer incorpora for measuring heartbeat rate of	subject over
[NEOR-CHOE-GOC-114/5-1]	221 2.3 11000	predetermined portion of one min	ute also

converting rate to beats per minute	HEAT RADIATORS
[NA SA-CASE-XMS-02399] c05 N71-22896	Capillary radiator for carrying heat transfer
Cardiotachometer for instantaneous heart rate measurement	liquid in planetary spacecraft structures
[NASA-CASE-MFS-20284] C05 N72-22098	[NASA-CASE-XLE-03307] c33 N71-14035 Bydraulic actuator design for space deployment
Development of instantaneous reading tachometer	of heat radiators
for measuring electrocardiogram signal rate [NASA-CASE-MFS-20418] c14 N73-24473	[NASA-CASE-MSC-11817-11
[NASA-CASE-MFS-20418] c14 N73-24473	Development of method and equipment for testing
Thermionic converter for converting heat energy	heat radiative properties of material under controlled environmental conditions
directly into electrical energy	[NASA-CASE-MFS-20096] c14 N71+30026
. [NASA-CASE-XLE-01903] c22 N71-23599 HEAT EXCHANGERS	HEAT RESISTANT ALLOYS
Electrothermal rocket engine using resistance	Preparation of nickel alloys for jet turbine
heated heat exchanger	blades operating at high temperatures [NASA-CASE-XLE-00151] c17 N70-33283
[NASA-CASE-XLE-00267] c28 N70-33356	Nickel alloy series for aerospace structures
Space suit body heat exchanger design composed of thermal conductance yarn and liquid coolant	subjected to high temperatures
loops	[NASA-CASE-XLE-00283] c17 N70-36616
[NASA-CASE-XMS-09571] c05 N71-19439	High temperature cobalt-base alloy resistant to corrosion by liquid metals and to sublimation
Dual solid crycgens for spacecraft refrigeration	in vacuum environment
insuring low temperature cooling for extended periods	[NASA-CASE-XLE-02991] c17 N71-16025
[NASA-CASE-GSC-10188-1] c23 N71-24725	Brazing allow adapted for brazing corrosion
Shell-side liquid metal boiler employing tube	resistant steel to refractory metals, also for brazing refractory metals to other refractory
and shell heat exchanger	metals
[NASA-CASE-NPO-10831] c33 N72-20915 Heat exchanger and decontamination system for	[NASA-CASE-XNP-03063] c17 N71-23365
multistage refrigeration unit	Pressure tight seal for superalloy used in
[NASA-CASE-NPO-10634] c23 N72-25619	hypersonic aircraft fuel tank joints [NASA-CASE-LAR-10170-1] c15 N72-21471
Development and characteristics of device for	NASA-CASE-LAR-10170-1] c15 N72-21471 Superalloy material from prealloyed powders
removing condensate from heat exchangers with straight through gas flow	[NASA-CASE-LEW-10805-21
[NASA-CASE-MSC-14143-1] c33 N73-32823	Intermetallic coating for nickel based superalloy
HEAT FLUX	[NASA-CASE-LEW-11348-1] c17 N72-25517 Pressurized heat treatment of formed superalloy
Heat flux sensor assembly with proviso for heat	powder products
shield to reduce radiative transfer between sensor elements	[NASA-CASE-LEW-10805-3] C17 N72-285M2
[NASA-CASE-XMS-05909-1] c14 N69-27459	Superalloys from prealloyed powders at high
Heat flux sensor adapted for mounting on	temperatures [NASA-CASE-LEW-10805-1] c15 N73-13465
aircraft or spacecraft to measure aerodynamic	Refractory porcelain enamel passive thermal
heat flux inflow to aircraft skin	control coating for high temperature allows
[NASA-CASE-XFR-03802] c33 N71-23085 Radial heat flux transformer for use in heating	I NASA-CASE-MFS-22324-11 c18 N73-21071
and cooling processes	Development of method for fabricating cermets
[NASA-CASE-NPO-10828] c33 N72-17948	and analysis of various compositions to show electrical and physical properties
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT	electrical and physical properties [NASA-CASE-NPO-13120-11
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT MEASUREMENT Electromagnetic energy detection by thermal	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with provise for heat
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] c14 N69-27459
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] c14 N69-27459 Oven for heat treating heat shields
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] c14 N69-27459 Oven for heat treating heat shields [NASA-CASE-XMS-04318] c15 N69-27871
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] c14 N69-27459 Oven for heat treating heat shields
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-004861] C33 N70-22200
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBERNT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] c14 N69-27459 Oven for heat treating heat shields [NASA-CASE-XMS-04318] c15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] c33 N70-33344 Sandwich panel structure for removing heat from
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XMF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of	electrical and physical properties [NASA-CASE-NPO-13120-1] c18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] c14 N69-27459 Oven for heat treating heat shields [NASA-CASE-IMS-04318] c15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] c33 N70-33344 Sandwich panel structure for removing heat from shield between hot and cold areas
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055 Hicrowave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-MS-05909-1] Oven for heat treating heat shields [NASA-CASE-MS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-MS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-MAS-00349]
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURPHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-HFS-20333] c09 N71-13486	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-ILA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURPHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] C31 N70-11631
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-NAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-NHF-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353 Production of iodine isotope by high energy	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-026771] C31 N70-4075
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-IMS-004442] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-IMS-02677] Synthesis of azine polymers for heat shields by
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBERET Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-NFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-21] c24 N73-20763	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-IMS-04142] C31 N70-41631 Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-IMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURPHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XMS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] C31 N70-41631 Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMS-026561]
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMF-08656] Synthesis of schiff bases for heat shields by acetal amine reactions
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBERET Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-NFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-31] c11 N73-20120	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIBLDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XHS-05909-1] Oven for heat treating heat shields [NASA-CASE-XHS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XHS-00486] C33 N70-33344 Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XIA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XHS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding fNASA-CASE-XHS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XHS-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XHS-08652]
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] c11 N73-28128 Structural heat pipe for spacecraft wall thermal insulation system	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] C33 N70-33344 Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00486] C33 N70-37979 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-IMS-00442] C31 N70-41631 Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-IMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-IMF-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-IMF-08652] C06 N71-11243 Preparation and characteristics of lightweight
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASUREHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XMF-05843] c03 N71-11055 Hicrowave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] c11 N73-28128 Structural heat pipe for spacecraft unsulation system [NASA-CASE-GSC-11619-1] c33 N73-32828	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-MS-05909-1] Oven for heat treating heat shields [NASA-CASE-MS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-MS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-MS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-MS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-MS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-MS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-MF-08656] CO6 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-MF-08652] CO6 N71-11243 Preparation and characteristics of lightweight refractory insulation [NASA-CASE-MF-05279] C18 N71-16124
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[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BLAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-GSC-11619-1] C33 N73-32828 BHAT PUPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] C33 N71-17610	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLS-00442] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMF-08656] COG N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XMF-08652] Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XMF-08652] Preparation and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-HEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] c11 N73-28128 Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-GSC-11619-1] c33 N73-32828 HEAT PUMPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] c33 N71-17610 Manually activated heat pump for mechanically	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLS-00442] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMF-08656] COG N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XMF-08652] Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XMF-05279] Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XMF-05279] Design and development of spacecraft with outer
[NASA-CASE-NPO-10828] c33 N72-17948 HEAT HEASURBHENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] c09 N71-18830 HEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] c33 N70-41524 Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] c03 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-HFS-20333] c09 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] c33 N71-25353 Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] c24 N73-20763 Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] c11 N73-28128 Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-GSC-11619-1] c33 N73-32828 HEAT PUMPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] c33 N71-17610 Manually activated heat pump for mechanically converting human operator output into heat	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIBLDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XHS-05909-1] Oven for heat treating heat shields [NASA-CASE-XHS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-XHS-00486] CNASA-CASE-XHS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XIA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XIA-00349] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XHS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XHS-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XHF-08652] C06 N71-11243 Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XHF-08652] C18 N71-16124 Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XHF-05279] C33 N71-24145 Design and development of spacecraft with outer shell structure heat shielding and built-in.
[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-HFS-20333] CO9 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-CSC-11619-1] CASA N73-2828 BEAT PUMPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] CASA-CASE-NPO-106771 MANAA-CASE-NPO-106771 COS N72-11088	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIBLDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] CASE-IMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00486] CASE-IMS-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-IMS-00442] CASE-IMS-00442] CASE-IMS-004142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-IMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-IMF-08656] Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-IMF-08652] Preparation and characteristics of lightweight refractory insulation [NASA-CASE-IMF-08652] Preparation and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-IMF-03432] Design and development of spacecraft with outer shell structure heat shielding and built-in, removable excursion module
[NASA-CASE-NPO-10828] ELECTROMAGNETIC ENERGY DETAILS OF STREET PROPOSED FOR THE PROPOSED F	PREAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-NIS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-04486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLS-04442] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-04742] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMF-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XMF-08652] Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XMF-05279] Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XLE-03432] Design and development of spacecraft with outer shell structure heat shielding and built-in, removable excursion module [NASA-CASE-MSC-13047-1] C31 N71-25438
[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BLAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-LEW-11390-3] C11 N73-28128 Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-SE-CSC-11619-1] C33 N71-17610 Manually activated heat pump for mechanically converting human operator output into heat energy [NASA-CASE-NID-01677] Design and development of thermomechanical pump for transmitting varming fluid through fluid	electrical and physical properties [NASA-CASE-NPO-13120-1] C18 N73-23629 HEAT SHIBLDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-IMS-05909-1] Oven for heat treating heat shields [NASA-CASE-IMS-04318] Compact heat shielding for interplanetary space vehicles [NASA-CASE-IMS-00486] C33 N70-33344 Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-IMS-00489] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-IMS-04142] C31 N70-41631 Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-IMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-IMS-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-IMF-08652] C06 N71-11243 Preparation and characteristics of lightweight refractory insulation [NASA-CASE-IMF-08652] C18 N71-21445 Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-IMF-05279] C18 N71-16124 Design and development of spacecraft with outer shell structure heat shielding and built-in, removable excursion module [NASA-CASE-MSC-13047-1] Structure of fabric layers for micrometeoroid
[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-GSC-11619-1] CA3 N73-32828 HEAT PUMPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] CA3 N71-17610 Hanually activated heat pump for mechanically converting human operator output into heat energy [NASA-CASE-NPO-10677] Design and development of thermomechanical pump for transmitting warming fluid through fluid circuit to control temperature of spacecraft	electrical and physical properties [NASA-CASE-NPO-13120-1] HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-XMS-05909-1] Oven for heat treating heat shields [NASA-CASE-XMS-04318] C15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XMS-00486] Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-02677] Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XMF-08656] C06 N71-11242 Synthesis of schiff bases for heat shields by acetal amine reactions [NASA-CASE-XMF-08652] C06 N71-11243 Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XMF-08652] C16 N71-16124 Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XHF-03279] C18 N71-24145 Design and development of spacecraft with outer shell structure heat shielding and built-in, removable excursion module [NASA-CASE-MSC-13047-1] C31 N71-25434 Structure of fabric layers for micrometeoroid protection garment with capability for eliminating heat shorts for use in
[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-NFP-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] CO9 N71-13486 Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-MFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-HFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-LEW-11390-3] C11 N73-28128 Structural heat pipe for converting solar energy [NASA-CASE-XLA-00377] C33 N71-17610 Manually activated heat pump for mechanically converting human operator output into heat energy [NASA-CASE-NPO-10677] Design and development of thermomechanical pump for transmitting warming fluid through fluid circuit to control temperature of spacecraft insurrementation	HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-NMS-05909-1]
[NASA-CASE-NPO-10828] BLAT MEASUREMENT Electromagnetic energy detection by thermal sensor with vibrating electrode [NASA-CASE-XAC-10768] CO9 N71-18830 BEAT PIPES Heat transfer device with restraint mechanism for supporting wick against wall of shell [NASA-CASE-NPO-11120] Electric power system utilizing thermionic plasma diodes in parallel and heat pipes as cathodes [NASA-CASE-XHF-05843] CO3 N71-11055 Microwave power receiving antenna solving heat dissipation problems by construction of elements as heat pipe devices [NASA-CASE-MFS-20333] Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft insulation cover [NASA-CASE-HFS-20355] Production of iodine isotope by high energy bombardment of cesium heat pipe causing spallation reaction [NASA-CASE-LEW-11390-2] Heat pipe production of high purity radioiodine for thyroid measurements [NASA-CASE-LEW-11390-3] Structural heat pipe for spacecraft wall thermal insulation system [NASA-CASE-GSC-11619-1] CA3 N73-32828 HEAT PUMPS Thermal pump-compressor for converting solar energy [NASA-CASE-XLA-00377] CA3 N71-17610 Hanually activated heat pump for mechanically converting human operator output into heat energy [NASA-CASE-NPO-10677] Design and development of thermomechanical pump for transmitting warming fluid through fluid circuit to control temperature of spacecraft	HEAT SHIELDING Heat flux sensor assembly with proviso for heat shield to reduce radiative transfer between sensor elements [NASA-CASE-NHS-05909-1] c14 N69-27459 Oven for heat treating heat shields [NASA-CASE-XHS-04318] c15 N69-27871 Compact heat shielding for interplanetary space vehicles [NASA-CASE-XHS-00486] c33 N70-33344 Sandwich panel structure for removing heat from shield between hot and cold areas [NASA-CASE-XLA-00349] c33 N70-37979 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XHS-04142] c31 N70-41631 Transpirationally cooled heat ablation system for interplanetary spacecraft reentry shielding [NASA-CASE-XMS-04142] c31 N70-42075 Synthesis of azine polymers for heat shields by azine-aromatic aldehyde reaction [NASA-CASE-XHF-08656] c06 N71-11242 Synthesis of schiff bases for heat shields by accetal amine reactions [NASA-CASE-XHF-08656] c06 N71-11243 Preparation and characteristics of lightweight refractory insulation [NASA-CASE-XHF-08652] c18 N71-16124 Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XHF-03432] Development and characteristics of thermal radiation shielding of refractory metal foil used for induction furnace [NASA-CASE-XLE-03432] c33 N71-24145 Design and development of spacecraft with outer shell structure heat shielding and built-in, removable excursion module [NASA-CASE-NSC-13047-1] c31 N71-25434 Structure of fabric layers for micrometeoroid protection garment with capability for eliminating heat shorts for use in manufacturing space suits [NASA-CASE-MSC-12109]

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HEAT SINKS	[NASA-CASE-LEW-11227-1] c33 N71-35153
Thermal conductive, electrically insulated	HEAT TREATMENT High speed infrared furnace
cleavable adhesive connection between electronic module and heat sink	[NASA-CASE-XLE-10466] C17 N69-25147
(NASA-CASE-XMS-020871 C09 N70-41717	Oven for heat treating heat shields
Development and characteristics of calorimeter	[NASA-CASE-XMS-04318] c15 N69-27871
with integral heat sink for maintenance of	Vacuum method for molding thermosetting compounds used as ablative materials
constant temperature	[NASA-CASE-XLA-01091] C15 N71-10672
NASA-CASE-AHI-042001	Production of refractory bodies with controlled
HEAT SOURCES Black body radiometer design with temperature	porosity by pressing and heating mixtures of
sensing and cavity heat source cone winding	refractory and inert metal powders
rnasa-case-xnp-097011 c14 N71+264/5	[NASA-CASE-LEW-10393-1] c17 N71-15468
Radioactive isotope capsule container design for	White paint production by heating impure aluminum silicate clay having low solar
atmospheric reentry protection and heat	absorptance
transmission to spacecraft [NASA-CASE-LEW-11227-1] c33 N71-35153	f NASA-CASE-XNP-02139 1 c18 N71-24184
Thermally cascaded thermoelectric generator with	Method for diffusion welding dissimilar metals
radioisotopic heat source	in vacuum chamber
[NASA-CASE-NPO-10753] c03 N72-26031	[NASA-CASE-GSC-10303] c15 N72-22487 Pressurized heat treatment of formed superalloy
HEAT TRANSFER	powder products
Thermal switch for transferring excess heat from	[NASA-CASE-LEW-10805-3] C17 N72-28542
one region to another heat dissipating one [NASA-CASE-XNP-00463] c33 N70-36847	Development of method for fabricating cermets
Sandwich panel structure for removing heat from	and analysis of various compositions to show
shield between hot and cold areas	electrical and physical properties
[NASA-CASE-XLA-00349] C33 N70-37979	[NASA-CASE-NPO-13120-1] C18 N73-23629
Apparatus for cryogenic liquid storage with heat	HEATING Development of system for preheating vaporized
transfer reduction and for liquid transfer at	fuel for use with internal combustion engines
zero gravity conditions [NASA-CASE-XLE-00345] c15 N70-38020	[NASA-CASE-NPO-12072] C28 N72-22772
Method for improving heat transfer	Solid state welding of butt joint by fusion
characterístics in nucleate boiling process	welding, surface cleaning, and heating in air
rnasa-case-xms-042681 c33 N71-16277	I MASA CASE ELM 1100)
Design and development of device for cooling	HEATING EQUIPMENT Using heat control unit to preheat circulating
inner conductor of coaxial cable [NASA-CASE-XNP-09775] c09 N71-20445	fluid
Heat sensing instrument, using thermocouple	[NASA-CASE-XMF-04237] C33 N71-16278
junction connected under heavy conducting	Electric arc heater with supersonic nozzle and
material	fixed arc length for use in high temperature
[NASA-CASE-XLA-01551] C14 N71-22989	wind tunnels [NASA-CASE-XAC-01677] c09 N71-20816
Mixed liquid and vapor phase analyzer design with thermocouples for relative heat transfer	Radial heat flux transformer for use in heating
measurement	and cooling processes
rnasa-case-npo-106911 c14 n71-26199	[NASA-CASE-NPO-10828] C33 N72-17948
Development and characteristics of cooling	Tank heater for lowering viscosity of highly
system to maintain temperature of rack mounted	viscous liquids in storage tanks [NASA-CASE-WLP-10040-1] c15 N73-13475
electronic modules	Self-cycling fluid heater for heating continuous
[NASA-CASE-MSC-12389] c33 N71-29052 Development of method and equipment for testing	fluid stream to ultrahigh temperatures to
heat radiative properties of material under	facilitate chemical reactions
controlled environmental conditions	[NASA-CASE-MSC-15567-1] c33 N73-16918
[NASA-CASE-MFS+20096] C14 N71-30026	Cyclically heated auxiliary chamber for heating
Manually activated heat pump for mechanically	and mixing stored fluids [NASA-CASE-ARC-10442-1] c14 N73-30415
converting human operator output into heat	HELICAL ANTENNAS
energy [NASA-CASE-NPO-10677] cos N72-11084	Weatherproof helix antenna
High intensity radiant energy pulse source for	[NASA-CASE-XKS-08485] C07 N71-19493
calibrating heat transfer gages with	Collapsible high gain antenna which can be
thermoluminescent shutter activation	automatically expanded to operating state [NASA-CASE-KSC-10392] c07 N73-26117
[NASA-CASE-ARC-10178-1] c09 N72-17152	HELICOPTER WAKES
Development of thermocouple instrument for measuring temperature of wall heated by	Variable geometry rotor system for direct
flowing fluid without disturbing boundary layer	control over wake vortex
[NASA-CASE-XLE-05230] C14 N72-27410	[NASA-CASE-LAR-10557] c02 N72-11018
Design and development of device for moving	HELIUM Helium refining by superfluidity
liquid through pipes without use of mechanical	[NASA-CASE-XNP-00733] c06 N70-34946
pumps [NASA-CASE-LAR-10799-1] c12 N73-12295	Apparatus and method capable of receiving large
Development and characteristics of thermal	quantity of high pressure helium, removing
control system for maintaining constant	impurities, and discharging at received pressure
temperature within spacecraft module with wide	[NASA-CASE-XMF-06888] c15 N71-24044
variations of component heat transfer	HELIUM-NEON LASERS Design and development of multichannel laser
[NASA-CASE-GSC-11018-1] c31 N73-30829 Temperature control of welding equipment by	remote control system using modulated
detection of discrete bands of infrared	helium-neon laser as transmitter and light
radiation from objects being heated	collector as receiving antenna
[NASA-CASE-MFS-20781-2] C14 N73-31401	[NASA-CASE-LAR-10311-1] c16 N73-16536
Thermal flux transfer system for maintaining	HELMETS Transparent polycarbonate resin, shell helmet
thrust chamber of operative reaction motor at	and latch design for high altitude and space
qiven temperatures [NASA-CASE-NPO-12070-1] c28 N73-32606	flight
Electrostatically controlled heat transfer	rnasa-case-xms-049351 c05 N71-11190
system for conducting thermal energy	Electrode attached to helmets for detecting low
[NASA-CASE-NPO-11942-1] c33 N73-32818	level signals from skin of living creatures
HEAT TRANSMISSION	[NASA-CASE-ARC-10043-1] C05 N71-11193 Venting device for pressurized space suit helmet
Radioactive isotope capsule container design for atmospheric reentry protection and heat	to eliminate womit expelled by crewmen
transmission to spacecraft	[NASA-CASE-XMS-09652-1] c05 N71-26333

HEMISPHERICAL SHELLS	in audio range
Light baffle with oblate hemispheroid surface and shading flange	[NASA-CASE-XGS-01418] c09 N71-23573 HIGH POLYMERS
[NASA-CASE-NPO-10337] c14 N71-15604	Shock and vibration damping device using
HERMETIC SEALS	temperature sensitive solid amorphous polymers
Piston in bore cutter for severing parachute control lines and sealing cable hole to	[NASA-CASE-XAC-11225] c14 N69-27486
prevent water leakage into load	HIGH PRESSURE High-temperature, high-pressure spherical
[NASA-CASE-XMS-04072] c15 N70-42017	segment valve
Hermetically sealed explosive release mechanism for actuator device	[NASA-CASE-XAC-00074] c15 N70-34817
[NASA-CASE-XGS-00824] c15 N71-16078	High pressure four-way valve with 0 ring adapted to pass across inlet port
Sealing apparatus for joining two pieces of	[NASA-CASE-XNP-002141
frangible materials [NASA-CASE-XLA-01494] c15 N71-24164	Compact high pressure filter for rocket fuel lines
NASA-CASE-XLA-01494] c15 N71-24164 Method for locating leaks in hermetically sealed	[NASA-CASE-XNP-00732] c28 N70-41447 Antiflutter check valve for use with high
containers	pressure fluid flow
[NASA-CASE-ERC-10045] c15 N71-24910 Hermetically sealed vibration damper design for	[NASA-CASE-XNP-01152] c15 N70-41811
use in gimbal assembly of spacecraft inertial	High pressure liquid flow sight assembly for
guidance system	wide temperature range applications including cryogenic fluids
[NASA-CASE-MSC-10959] c15 N71-26243 Method of forming ceramic to metal seals	[NASA-CASE-XLE-02998] C14 N70-42074
impervious to gaseous and liquid mercury at	Structural design of high pressure regulator valve
high temperature	[NASA-CASE-XNP-00710] c15 N71-10778 Hypersonic test facility for studying ablation
[NASA-CASE-XNP-01263-2] c15 N71-26312	in models under high pressure and high
Pressure seals suitable for use in environmental test chambers	temperature
[NASA-CASE-NPO-10796] c15 N71-27068	[NASA-CASE-XLA-00378] c11 N71-15925 Development and characteristics of high pressure
Hermetic sealing device for ends of tubular	control valve
bodies during materials testing operations [NASA-CASE-NPO-10431] c15 N71-29132	[NASA-CASE-MSC-11010] c15 N71-19485
Hermetically sealed elbow actuator for use in	Valve seat with resilient support ring for venting valves subjected to high pressure
severe environments	sealing loads
[NASA-CASE-MFS-14710] c09 N72-22195 Portable device for detecting pneumatic pressure	[NASA-CASE-XKS-02582] c15 N71-21234
leaks in hermetically sealed housings	Apparatus and method capable of receiving large quantity of high pressure helium, removing
[NASA-CASE-MFS-21761-1] c14 N73-18444	impurities, and discharging at received pressure
Use of enzyme hexokinase and glucose to reduce	I NASA-CASE-XMF-06888] c15 N71-24044
inherent light levels of ATP in luciferase	Liquid aerosol dispenser with explosively driven
compositions	piston to compress light gas to extremely high pressure
[NASA-CASE-XGS-05533] c04 N69-27487 HIGH ACCELERATION	[NASA-CASE-MPS-20829] c12 N72-21310
Astronaut restraint suit for high acceleration	HIGH RESOLUTION
protection	High resolution attitude sensor for sensing spacecraft attitude relative to light source
[NASA-CASE-XAC-00405] c05 N70-41819	[NASA-CASE-LAR-10586-1] C14 N73-11406
Compact bellows spirometer for high speed and	High resolution radar transmitting system for
high altitude space travel	transmitting optical pulses to targets [NASA-CASE-NPO-11426] c67 N73-26119
[NASA-CASE-XAR-01547] CC5 N69-21473 HIGH ALTITUDE ENVIRONMENTS	Focusing optical collimator for high resolution
Method of making solid propellant rocket motor	scanning of electromagnetic radiations,
having reliable high altitude capabilities,	neutrons, and other particles [NASA-CASE-MFS-20932-1] c14 N73-27380
long shelf life, and capable of firing with nozzle closure with foamed plastic permanent	HIGH SPEED
mandrel	Compact bellows spirometer for high speed and high altitude space travel
[NASA-CASE-XLA-04126] c28 N71-26779	[NASA-CASE-XAR-01547] c05 N69-21473
HIGH ASPECT RATIO Aerospace configuration with low and high aspect	High speed low level voltage commutating switch
ratio variability for high and low speed flight	[NASA-CASE-XAC-00060] c09 N70-39915 Impact testing machine for imparting large
[NASA-CASE-XLA-00142] c02 N70-33286	impact forces on high velocity packages
Aerodynamic configuration for aircraft capable of high speed flight and low drag for low	[NASA-CASE-XNP-04817]
speed takeoff or landing upon presently	Flow meter for measuring stagnation pressure in boundary layer around high speed flight vehicle
existing airfields	NASA-CASE-XFR-02007 c12 N71-24692
[NASA-CASE-XLA-00806] c02 N70-34858 HIGH ENERGY INTERACTIONS	Method for reducing mass of ball bearings for
Converging coaxial plasma accelerator for	long life operation at high speed [NASA-CASE-LEW-10856-1] c15 N72-22490
generating dense high velocity plasma bursts	[NASA-CASE-LEW-10856-1] c15 N72-22490 HIGH SPEED CAMERAS
[NASA-CASE-ARC-10109] c25 N71-29181 HIGH PREQUENCIES	Electrically operated rotary shutter for
Apparatus for ballasting high frequency	television camera aboard spacecraft [NASA-CASE-XNP-00637] c14 N70-40273
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[NASA-CASE-XGS-05003] c09 N69-24318 Holder for high frequency crystal resonators	Method for making fiber composites with high
[NASA-CASE-XNP-03637] c15 N71-21311	strength at high temperatures
Multiple varactor for generating high	I NASA-CASE-LEW-10424-2-2] c18 N72-25539 HIGH STRENGTH ALLOYS
frequencies with high power and high conversion efficiency	High strength, corrosion resistant cobalt-based
[NASA-CASE-XMF-04958-1] C1C N71-26414	alloys for aerospace structures
HIGH GRAVITY ENVIRONMENTS	I NASA-CASE-XLE-00726] c17 N71-15644 High strength aluminum casting alloy for
Shock absorber for supporting bearings subjected to omnidirectional shock loading in high	cryogenic applications in aerospace engineering
gravity environments	[NASA-CASE-XMF-02786] c17 N71-20743 Production of high strength refractory compounds
[NASA-CASE-NPO-10626] c15 N72-15465	and microconstituents into refractory metal
HIGH PASS FILTERS Radio frequency coaxial filter to provide dc	matrix
isolation and low frequency signal rejection	[NASA-CASE-XLE-03940] c18 N71-26153
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HIGH TEMPERATURE

High strength nickel based alloys	Fatigue testing apparatus with light shield and
[NASA-CASE-LEW-10874-1] c17 N72-22535	infrared reflector for high temperature
Cobalt-tungsten alloys with superior strength at	evaluation of loaded sheet samples [NASA-CASE-XLA-01782] c14 N71-26136
elevated temperatures rnasa-case-leu-10436-11 c17 N73-32415	HIGH TEMPERATURE TESTS
[NASA-CASE-LEW-10436-1] c17 N73-32415 HIGH TEMPERATURE	High-temperature, high-pressure spherical
High temperature source of thermal radiation	segment valve
[NASA-CASE-XLE-00490] c33 N70-34545	[NASA-CASE-XAC-00074] c15 N70-34817
Thermionic diode switch for use in high	Test apparatus for determining mechanical
temperature region to chop current from dc	properties of refractory materials at high temperatures in vacuum or inert atmospheres
source	[NASA-CASE-XLE-00335] c14 N70-35368
[NASA-CASE-NPO-10404] c03 N71-12255	Apparatus for testing metallic and nonmetallic
Hypersonic test facility for studying ablation in models under high pressure and high	beams or rods by bending at high temperatures
temperature	in vacuum or inert atmosphere
[NASA-CASE-XLA-00378] c11 N71-15925	[NASA-CASE-XLE-01300] c15 N70-41993
Process for fiberizing ceramic materials with	HIGH VACUUM
high fusion temperatures and tensile strength	Epoxy resin sealing device for electrochemical
[NASA-CASE-XNP-00597] C18 N71-23088	cells in high vacuum environments [NASA-CASE-XGS-02630] c03 N71-22974
Induction heating of metallurgical specimens to	[NASA-CASE-XGS-02630] c03 N71-22974 Device for high vacuum film deposition with
high temperatures in coil furnace	electromagnetic ion steering
[NASA-CASE-XLE-04026] c14 N71-23267 Method of forming ceramic to metal seals	[NASA-CASE-NPO-10331] c09 N71-26701
impervious to gaseous and liquid mercury at	Absolute pressure measuring device for measuring
high temperature	gas density level in high vacuum range
[NASA-CASE-XNP-01263-2] c15 N71-26312	[NASA-CASE-LAR-10000] c14 N73-30394
Method for making fiber composites with high	HIGH VACUUM ORBITAL SIMULATOR
strength at high temperatures	Space environmental work simulator with portions of space suit mounted to vacuum chamber wall
[NASA-CASE-LEW-10424-2-2] c18 N72-25539	[NASA-CASE-XMF-07488] C11 N71-18773
Superalloys from prealloyed powders at high	HIGH VOLTAGES
temperatures [NASA-CASE-LEW-10805-1] c15 N73-13465	Hollow spherical electrode for shielding
HIGH TEMPERATURE AIR	dielectric junction between high voltage
Apparatus and method for generating large mass	conductor and insulator
flow of high temperature air at hypersonic	[NASA-CASE-XLE-03778] c09 N69-21542
speeds	High voltage cable for use in high intensity
[NASA-CASE-LAR-10612-1] c12 N73-28144	ionizing radiation fields [NASA-CASE-XNP-00738] c09 N70-38201
HIGH TEMPERATURE ENVIRONMENTS	High voltage pulse generator for testing flash
High speed infrared furnace [NASA-CASE-XLE-10466] c17 N69-25147	and ignition limits of nonmetallic materials
Nickel alloy series for aerospace structures	in controlled atmospheres
subjected to high temperatures	[NASA-CASE-MSC-12178-1] c09 N71-13518
[NASA-CASE-XLE-00283] c17 N70-36616	High voltage transistor circuit
Water cooled gage for strain measurements in	[NASA-CASE-XNP-06937] C09 N71-19516 High voltage divider system for attenuating high
high temperature environments [NASA-CASE-XNP-09205] c14 N71-17657	voltages to convenient levels suitable for
(NASA-CASE-XNP-09205) C14 N/1-1/65/ HIGH TEMPERATURE FLUIDS	introduction to measuring circuits
Self-cycling fluid heater for heating continuous	[NASA-CASE-XLE-02008] CO9 N71-21583
fluid stream to ultrahigh temperatures to	High-voltage isolator design for injecting
facilitate chemical reactions	hydrogen bubbles into liquid metal feed lines
[NASA-CASE-MSC-15567-1] c33 N73-16918	to interrupt electrical continuity [NASA-CASE-NPO-11075] C09 N71-34208
HIGH TEMPERATURE GASES	[NASA-CASE-NPO-11075] CO9 N71-34208 HISTOGRAMS
Multiple wavelength radiation measuring	System for storing histogram data in optimum
instrument for determining hot body or gas temperature	number of elements
[NASA-CASE-XLE-00011] c14 N70-41946	[NASA-CASE-XNP-09785] c08 N69-21928
Ablative resins used for retarding regression in	HOLDERS
ablative material	Water cooled contactors for holding rotating
[NASA-CASE-XLE-05913] C33 N71+14032	carbon arc anode [NASA-CASE-XMS-03760] c15 N69-24266
Transient heat transfer gage for measuring total	Quick disconnect latch and handle combination
radiant intensity from far ultraviolet and	for mounting articles on walls or supporting
ionized high temperature gases [NASA-CASE-XNP-09802] c33 N71-15641	bases in spacecraft under zero gravity
Generation of high temperature, high mass flow,	conditions
and high Reynolds number air at hypersonic	[NASA-CASE-MFS-11132] c15 N71-17649
speeds	Holder for high frequency crystal resonators [NASA-CASE-XNP-03637] c15 N71-21311
[NASA-CASE-LAR-10578-1] c12 N73-25262	[NASA-CASE-XNP-03637] c15 N71-21311 Design and construction of mechanical probe for
HIGH TEMPERATURE LUBRICANTS Production of barium fluoride-calcium fluoride	determining if object is properly secured
composite lubricant for bearings or seals	[NASA-CASE-MFS-20760] c14 N72-33377
[NASA-CASE-XLE-08511-2] C18 N71-16105	HOLE DISTRIBUTION (MRCHANICS)
Self lubricating fluoride-metal composite	Adjustable hole cutter for forming circular
materials for outer space applications	openings rwisi-cisr-mrs-22649-11 c15 N73-32376
[NASA-CASE-XLE-08511] c18 N71-23710	[NASA-CASE-MFS-22649-1] c15 N73-32376 HOLE MOBILITY
HIGH TEMPERATURE PLASMAS Apparatus for producing highly conductive, high	Hole mobility of deposited semiconductor films
temperature electron plasma with homogenous	in vacuum utilizing thermal gradient
temperature and pressure distribution	[NASA-CASE-XKS-04614] c15 N69-21460
[NASA-CASE-XLA-00147] c25 N70-34661	HOLOGRAPHY
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Development of system for delivering vaporized	exposure steps to reduce exposure time of desired information
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[NASA-CASE-NPO-10737] c28 N72-11709 HIGH TEMPERATURE RESEARCH	Development of focused image holography with
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	[NASA-CASE-ERC-10019] c16 N71-15551
[NASA-CASE-ARC-10280-1] c18 N70-34695	[NASA-CASE-ERC-10019] c16 N71-15551 Hybrid holographic system using reference,
[NASA-CASE-ARC-10280-1] c18 N79-34695 Gas cooled high temperature thermocouple	[NASA-CASE-ERC-10019] c16 N71-15551 Hybrid holographic system using reference, transmitted, and reflected beams simultaneously
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reference beam	horizon from space, independent of season and
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stations and other construction	temperature to cause bonding of metal coatings, and tested for thermal stability
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O. [NASA-CASE-XMS-10269] C05 N71-24147 Elastomeric extensometer for measuring surface	Development of aircraft control system with high
area changes of human body caused by body	performance electrically controlled and
expansion and contraction	mechanically operated hydraulic valves for
[NASA-CASE-MFS-21049-1] c14 N73-11405	precise flight operation [NASA-CASE-XAC-00048] c02 N71-29128
Tilting table for testing human body in variety of positions while exercising on ergometer or	Development and characteristics of variable
other biomedical devices	displacement fluid pump for tranforming
[NASA-CASE-MFS-21010-1] c05 N73-30078	hydraulic pressures
HUMAN FACTORS ENGINEERING	[NASA-CASE-MFS-20830] c15 N71-30028 Design and characteristics of mechanically
Shock absorbing couch for body support under	extended and telescoping boom on crane assembly
high acceleration or deceleration forces [NASA-CASE-XMS-01240] c05 N70-35152	[NASA-CASE-NPO-11118] C03 N72-25021
Harness assembly adapted to support man on	Design and development of device to prevent
ground based apparatus which simulates	geysering during convective circulation of
weightlessness	cryogenic fluids [NASA-CASE-KSC-10615] c15 N73-12486
[NASA-CASE-MFS-14671] CUS N/1-12341 Multiple circuit switch apparatus requiring	Redundant hydraulic control system for actuators
minimum hand and eye movement by operator	with three main valve combination
[NASA-CASE-XAC-03777] C10 N71-15909	[NASA-CASE-MFS-20944] c15 N73-13466
Remote control device operated by movement of	Development and characteristics of combined pressure regulator and shutoff valve with
finger tips for manual control of spacecraft	variable pressure response characteristics
attitude [NASA-CASE-XAC-024C5] c09 N71-16089	r NASA-CASE-NPO-13201-11 c15 N73-26474
Design and development of flexible tunnel for	Rocket propellant injector with porous faceplate
use by spacecrews in performing extravehicular	for rocket engine combustion chamber [NASA-CASE-LEW-11071-1] c27 N73-27695
activities [NASA-CASE-MSC-12243-1]	[NASA-CASE-LEW-11071-1] c27 N73-27695 Design and characteristics of system for
[NASA-CASE-MSC-12243-1] CO5 N/1-24/28 Development of apparatus and method for	regenerating fluid filter to remove trapped
quantitatively measuring brain activity as	particles with application to space shuttle
automatic indication of sleep state and level	systems [NASA-CASE-MSC-14273-1]
of consciousness	[NASA-CASE-MSC-14273-1] c12 N73-28179 HYDRAZINE NITROFORM
[NASA-CASE-MSC-13282-1] c05 N71-24729	Solid propellant containing hydrazinium
Optical vision testing unit for testing eyes and	nitroformate oxidizer and polymeric
visual system of human subject	hydrocarbon binder FNASA-CASE-NPO-120151 c27 N73-16764
[NASA-CASE-MSC-13601-1] c05 N72-11088	[NASA-CASE-NPO-12015] c27 N73-16764 HYDRAZINES
Color perception tester for testing color code perceptiveness of individuals	Catalyst bed ignition system for hydrazine
[NASA-CASE-KSC-10278] c05 N72-16015	propellants
HUMAN REACTIONS	[NASA-CASE-XNP-00876] C28 N70-41311 Hydrazine monoperfluoro alkanoate solder flux
Reaction tester for testing reaction to light	leaving corrosion resistant coating, for
stimuli [NASA-CASE-MSC-13604-1]	metals such as copper
HUMAN WASTES	[NASA-CASE-XNP-03459-2] c18 N71-15688
Reduced-gravity fecal collector seat and urinal	Rubber composition for expulsion bladders and diaphragms for use with hydrazine
[NASA-CASE-MFS-22102-1] c05 N73-20141	[NASA-CASE-NPO-11433] c18 N71-31140
HYBRID PROPELLANTS Liner for hybrid solid propellants to bind	HYDROCARBON FUELS
propellant to rocket motor case	Apparatus for producing hydrocarbon slurry
[NASA-CASE-XNP-09744] c27 N71-16392	containing small particles of magnesium for
HYDRAULIC CONTROL	use as jet aircraft fuel [NASA-CASE-XLE-00010] c15 N7G-33382
Shear modulated fluid amplifier of high pressure hydraulic wortex amplifier type	HYDROCARBONS
f NASA-CASE-MFS-104121	Solid propellant containing hydrazinium
Throttle valve for regulating fluid flow volume	nitroformate oxidizer and polymeric
[NASA-CASE-XNP-09698] C15 N71-18580	hydrocarbon binder [NASA-CASE-NPO-12015] c27 N73-16764
Fluidic-thermochromic display device [NASA-CASE-ERC-10031] c12 N71-18603	HYDROFOILS
Development and characteristics of variable	Efficient operation of improved hydrofoil design
displacement fluid pump for tranforming	[NASA-CASE-XLA-00229] c12 N70-33305
hydraulic pressures [NASA-CASE-MFS-20830]	HYDROPORMING Cold metal hydroforming techniques using epoxy
[NASA-CASE-MFS-20830] c15 N71-30028 HYDRAULIC EQUIPMENT	molds for counteracting creep or stretch
Hydraulic support equipment for full scale	[NASA-CASE-XLE-05641-1] c15 N71-26346
dynamic testing of large rocket vehicle under	HYDROGEN
free flight conditions [NASA-CASE-XMF-01772] c11 N70-41677	Method and transducer device for detecting presence of hydrogen gas
[NASA-CASE-XMF-01772] c11 N70-41677 Hydraulic support apparatus for dynamic testing	r nasa-case-xmf-038731 c06 N69-39733
of space vehicles under near-free flight	preventing pressure buildup in electrochemical
conditions	cells by reacting palladium oxide with evolved
[NASA-CASE-XMF-03248] c11 N71-10604 Hydraulic drive mechanism for leveling isolation	hydrogen [NASA-CASE-XGS-01419] c03 N70-41864
Hydraulic drive mechanism for leveling isolation platforms	Development of pulse-activated polarographic
(NASA-CASE-XMS-03252) c15 N71-10658	hydrogen detector
Antibacklash circuit for hydraulic drive system	[NASA-CASE-XMF-06531] c14 N71-17575 Development of device for detecting hydrogen in
[NASA-CASE-XNP-01020] c03 N71-12260	ambient environments
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SUBJECT INDEX IGNITION SYSTEMS

[NASA-CASE-MFS-11537] c14 N71-20442	Variable geometry manned orbital vehicle having
High-voltage isolator design for injecting	high aerodynamic efficiency over wide speed
hydrogen bubbles into liquid metal feed lines	range and incorporating auxiliary pivotal wings
to interrupt electrical continuity [NASA-CASE-NPO-11075] c09 N71-34208	[NASA-CASE-XLA-03691] c31 N71-15674 Supersonic or hypersonic vehicle control system
Gas chromatographic method for analyzing	comprising elevons with hinge line sweep and
hydrogen deuterium mixtures	free of adverse aerodynamic cross coupling
[NASA-CASE-NPO-11322] c06 N72-25146	[NASA-CASE-XLA-08967] c02 N71-27088
Hydrogen fire blink detector for high altitude rocket or ground installation	Generation of high temperature, high mass flow, and high Reynolds number air at hypersonic
[NASA-CASE-MFS-15063] C14 N72-25412	speeds
Separation of dissolved hydrogen from water and	[NASA-CASE-LAR-10578-1] c12 N73-25262
coating with palladium black [NASA-CASE-MSC-13335-1] c06 N72-31140	Apparatus and method for generating large mass flow of high temperature air at hypersonic
Atomic hydrogen maser with bulb temperature	speeds
control by output frequency difference signal	[NASA-CASE-LAR-10612-1] c12 N73-28144
for wall shift elimination [NASA-CASE-HON-10654-1] C16 N73-13489	HYPERSONIC VEHICLES Carbon dioxide purge systems to prevent
[NASA-CASE-HQN-10654-1] c16 N73-13489 Method for producing storage bulb for atomic	condensation in spaces between cryogenic fuel
hydrogen maser	tanks and hypersonic vehicle skin
[NASA-CASE-NPO-13050-1] c16 N73-18508	[NASA-CASE-XLA-01967] c31 N70-42015
HYDROGEN OXYGEN FUEL CELLS Electrolytically regenerative hydrogen-oxygen	HYPERVELOCITY GUNS Method and apparatus for use in forming highly
fuel cells	collimated beam of microparticles with high
[NASA-CASE-XLE-04526] c03 N71-11052	charge to mass ratio and injecting beam into
Water electrolysis rocket engine with self-	electrostatic accelerating tube [NASA-CASE-XGS-06628] c24 N71-16213
regulating stoichiometric fuel mixing regulator [NASA-CASE-XGS-08729] c28 N71-14044	Implosion driven, light gas, hypervelocity qun
HYDROGEN PEROXIDE	[NASA-CASE-XAC-05902] C11 N71-18578
Unit for generating thrust from catalytic	Collapsible piston for hypervelocity gun
<pre>decomposition of hydrogen peroxide, for high altitude aircraft or spacecraft reaction control</pre>	[NASA-CASE-MSC-13789-1] c11 N73-32152 HYPERVELOCITY PROJECTILES
[NASA-CASE-XMS-00583] c28 N70-38504	Impact measuring technique for determining size
HYDROGENATION	of hypervelocity projectiles
Producing high purity silicon carbide on carbon	[NASA-CASE-LAR-10913] c14 N72-16282
<pre>base by hydrogen reduction of silicon tetrachloride</pre>	Multiple image storing system for obtaining holographic record on film of high speed
[NASA-CASE-XLA-00158] c26 N70-36805	projectile
Hydrogenation unit with reaction chamber of	[NASA-CASE-MFS-20596] c14 N72-17324
hydrogen-permeable palladium alloy [NASA-CASE-NPO-11682] c15 N72-21474	HYPERVELOCITY WIND TUNNELS Hypersonic test facility for studying ablation
HYDROXIDES	in models under high pressure and high
Method for determining presence and type of OH	temperature
in MgO	[NASA-CASE-XLA-00378] c11 N71-15925
[NASA-CASE-NPO-10774] c06 N72-17095	Design of hypersonic test facility for ablation
	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic quides
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c16 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERPINE STRUCTURE	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-
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[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c16 N71-24934 HYPERDLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750- IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-2 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERPINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-2 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket
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[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELIANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] Requencative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS Solid propellant iquition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Requerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] Method for iquiting solid propellant rocket	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-2 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NP0-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NP0-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Regenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-0685] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Requencrative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00665] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01888] c27 N71-15634 HYPERSONIC AIRCRAFT	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-2 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NP0-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NP0-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTUBE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERFOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Regenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-0665] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAPT Pressure tight seal for superalloy used in	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c16 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERPINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERPINE STRUCTURE Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Reqenerative cooling system for small rocket engine having restart capability and using noncryoqenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAFT Pressure tight seal for superalloy used in hypersonic aircraft fuel tank joints	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials
[NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTUBE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERFOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Regenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-0665] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAPT Pressure tight seal for superalloy used in	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash
NASA-CASE-NPO-10774 c06 N72-17095	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518
NASA-CASE-NPO-10774 C06 N72-17095	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid
NASA-CASE-NPO-10774 c06 N72-17095	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518
NASA-CASE-NPO-10774 C06 N72-17095	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Ignition system for monopropellant combustion
NASA-CASE-NPO-10774 C06 N72-17095	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12176-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Ignition system for monopropellant combustion devices
NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c16 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERFOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-0207] c28 N70-33375 Requenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAFT Pressure tight seal for superalloy used in hypersonic aircraft fuel tank joints [NASA-CASE-LAE-10170-1] c15 N72-21471 HYPERSONIC FLOW Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-LAE-05378] c11 N71-21475 HYPERSONIC SPEED Leading edge design for hypersonic reentry vehicles	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-2750-7 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Ignition system for monopropellant combustion devices [NASA-CASE-XNP-00249] c28 N70-38249
NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTUBE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Regenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAPT Pressure tight seal for superalloy used in hypersonic aircraft fuel tank joints [NASA-CASE-XLE-01988] c77 N71-15634 HYPERSONIC FLOW Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYPERSONIC SPEED Leading edge design for hypersonic reentry vehicles [NASA-CASE-XLA-00165] c31 N70-33242 Aerospace vehicle with variable planform for	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-MFS-21675-1] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12176-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XE-00207] c28 N70-33375 Iqnition system for monopropellant combustion devices [NASA-CASE-XNP-00249] c28 N70-33275 Iqnitior capsule for chemical ignition of liquid rocket propellants
NASA-CASE-NPO-10774 C06 N72-17095 BYGROSCOPICITY Nethod of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] C16 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] C07 N73-26144 HYPERFINE STRUCTURE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] C17 N71-24142 HYPERFOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] C28 N70-33375 Requestrative cooling system for small rocket enqine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992 Nethod for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAFT Pressure tight seal for superalloy used in hypersonic aircraft fuel tank joints [NASA-CASE-LAR-10170-1] c15 N72-21471 HYPERSONIC PLOW Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYPERSONIC SPEED Leading edge design for hypersonic reentry vehicles [NASA-CASE-XLA-00165] c31 N70-33242 Aerospace vehicle with variable planform for hypersonic and subsonic flight	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-XLA-00327] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12178-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Ignition system for monopropellant combustion devices [NASA-CASE-XLE-00207] c28 N70-33375 Igniter capsule for chemical ignition of liquid rocket propellants [NASA-CASE-XLE-00323] c28 N70-38505
NASA-CASE-NPO-10774] c06 N72-17095 BYGROSCOPICITY Method of evaluating moisture barrier properties of materials used in electronics encapsulation [NASA-CASE-NPO-10051] c18 N71-24934 HYPERBOLIC SYSTEMS Development of radio locating system for monitoring qeographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 HYPERFINE STRUCTUBE Process for producing dispersion strengthened nickel with aluminum comprising metallic matrices embedded with oxides or other hyperfine compounds [NASA-CASE-XLE-06969] c17 N71-24142 HYPERGOLIC ROCKET PROPELLANTS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XLE-00207] c28 N70-33375 Regenerative cooling system for small rocket engine having restart capability and using noncryogenic hypergolic propellants [NASA-CASE-XLE-00685] c28 N70-41992 Method for igniting solid propellant rocket motors by injecting hypergolic fluids [NASA-CASE-XLE-01988] c27 N71-15634 HYPERSONIC AIRCRAPT Pressure tight seal for superalloy used in hypersonic aircraft fuel tank joints [NASA-CASE-XLE-01988] c77 N71-15634 HYPERSONIC FLOW Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYPERSONIC SPEED Leading edge design for hypersonic reentry vehicles [NASA-CASE-XLA-00165] c31 N70-33242 Aerospace vehicle with variable planform for	Design of hypersonic test facility for ablation tests and performance tests of vehicles under conditions of high temperature and pressure [NASA-CASE-XLA-05378] c11 N71-21475 HYSTERESIS Belleville spring assembly with elastic guides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 IGNITERS Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 Remote fire stack igniter on vent stack with flame cage near top [NASA-CASE-MFS-21675-1] c33 N73-31826 IGNITION Magnetically controlled plasma accelerator capable of ignition in low density gaseous environment [NASA-CASE-MFS-21675-1] c25 N71-29184 IGNITION LIMITS High voltage pulse generator for testing flash and ignition limits of nonmetallic materials in controlled atmospheres [NASA-CASE-MSC-12176-1] c09 N71-13518 IGNITION SYSTEMS Solid propellant ignition with hypergolic fluid injected to predetermined portions of propellant [NASA-CASE-XE-00207] c28 N70-33375 Iqnition system for monopropellant combustion devices [NASA-CASE-XNP-00249] c28 N70-33275 Iqnitior capsule for chemical ignition of liquid rocket propellants

[NASA-CASE-XNP-00876]	c28 N70-41311	imidazopyrrolone/imide copolymers	
IGNITION TEMPERATURE		[NASA-CASE-XLA-08802] c06 N71-	
Test chamber for determining de autoignition of materials us		Molding process using imidazopyrrolone polyme	
under controlled environment		[NASA-CASE-LAR-10547-1] c15 N72-	22505
[NASA-CASE-KSC-10198]	c11 N71-28629	Synthesis of polymeric schiff bases by	
ILLUMINATORS		schiff-base exchange reactions	
Camera adapter design for imag		[NASA-CASE-XMF-08651] c06 N71-	
including lens and illuminate [NASA-CASE-XMF-03844-1]	or c14 N71-26474	Direct synthesis of polymeric schiff bases for	COD
Illumination system design for		two amines and two aldehydes [NASA-CASE-XMF-08655] c06 N71-	11220
simulator in space environme		Synthesis of schiff bases for heat shields by	
multiple light sources refle	cted to single	acetal amine reactions	•
virtual source	.02 #24 20200	[NASA-CASE-XMF-08652] c06 N71-	
[NASA-CASE-HQN-10781] IMAGE CONTRAST	c23 N71-30292	Synthesis of aromatic diamines and dialdehydon polymers using Schiff base	e
Video signal enhancement of signal	gnal component	[NASA-CASE-XMF-03074] c06 N71-	24746
representing brightness of s		IMMOBILIZATION	24,40
low contrast		Stretcher with rigid head and neck support w	
[NASA-CASE-NPO-10343] IMAGE CONVERTERS	c07 N71-27341	capability of supporting immobilized person	
Device for converting optical	images into	<pre>vertical position for removal from vehicle hatch to exterior also useful as splint</pre>	
electron beams		stretcher	
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Multilayer porous refractory metal ionizer	[NASA-CASE-LAR-10511-1] c09 N72-29172
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and larger diameter accelerator system	degradation rates
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detector used in gas chromatograph [NASA-CASE-XNP-03128] c10 N70-41991	temperature resistance [NASA-CASE-ARC-10280-1] c18 N70-34695
Electric rocket engine with electron bombardment	ISOLATORS
ionization chamber	Internal labyrinth and shield structure to
[NASA-CASE-XNP-04124] c28 N71-21822 Multichannel photoionization chamber for	<pre>improve electrical isolation of propellant feed source from ion thrustor</pre>
measuring absorption, photoionization yield,	[NASA-CASE-LEW-10210-1] c28 N71-26781
and coefficients of gases	High-voltage isolator design for injecting
[NASA-CASE-ERC-10044-1] c14 N71-27096 Development and characteristics of apparatus for	hydrogen bubbles into liquid metal feed lines to interrupt electrical continuity
ionization analysis	[NASA-CASE-NPO-11075] CO9 N71-34208
[NASA-CASE-ARC-10017-1] c14 N72-29464	Development and characteristics of supporting
IONIZATION GAGES	frame to isolate payloads from multi-gravitational forces
Ionization vacuum gage [NASA-CASE-XNP-00646] c14 N70-35666	[NASA-CASE-MFS-21680-1] c15 N73-20525
Ionization control system design for monitoring	ISOPROPYL ALCOHOL
separately located ion gage pressures on	Preparation of fluorinated polyethers from
vacuum chambers [NASA-CASE-XLE-00767] c14 N71-21090	2-hydro-perhaloisopropyl alcohols [NASA-CASE-MFS-11492] c06 N73-30102
Development and characteristics of apparatus for	ISOTHERMAL LAYERS
ionization analysis	Double-wall isothermal cylinder containing heat
[NASA-CASE-ARC-10017-1] c14 N72-29464 Ionization gage for measuring ultrahigh vacuum	transfer fluid thermal reservoir as spacecraft insulation cover
levels	[NASA-CASE-MFS-20355] c33 N71-25353
[NASA-CASE-XLA-05087] c14 N73-30391	
IONIZATION POTENTIALS Electrodes having array of small surfaces for	J
field ionization	JET AIRCRAPT
[NASA-CASE-ERC-10013] c09 N71-26678	Deflector for preventing objects from entering
IONIZED GASES	nacelle inlets of jet aircraft [NASA-CASE-XLE-00388] c28 N70-34788
Plasma probes having quard ring and primary sensor at same potential to prevent stray wall	[NASA-CASE-XLE-00388] c28 N70-34788 JET AIRCRAFT NOISE
current collection in ionized gases	Upper surface, external flow, jet-augmented flap
[NASA-CASE-XLE-00690] c25 N69-39884	configuration for high wing jet aircraft for
Transient heat transfer gage for measuring total radiant intensity from far ultraviolet and	noise reduction [NASA-CASE-XLA-00087] c02 N70-33332
	, and once and over, ,

JET AMPLIFIERS

Jet aircraft exhaust nozzle for noise reduction

SUBJECT INDEX space research [NASA-CASE-XMF-03169]

[NASA-CASE-LAR-10951-1] c28 N73-19819
Reduction of jet engine noise due to turbulent mixing of exhaust gases with ambient atmosphere [NASA-CASE-ARC-10712-1] C28 N73-20826 c28 N73-20826 Jet aircraft noise and sonic boom measuring sounding rockets device which converts sound pressure into [NASA-CASE-GSC-10590-1] electric current JOINING [NASA-CASE-LAR-11173-1]

c14 N73-22387 Development of annular acoustically porous elements for installation in exhaust and inlet ducts of turbofan engine to reduce aircraft engine noise intensity
[NASA-CASE-LAR-11141-1] c02 N73-22975

Development of aircraft configuration for reduction of jet aircraft noise by exhausting engine gases over upper surface of wing [NASA-CASE-LAR-11087-1] c02 N73-260 c02 N73-26008 Method and apparatus for improving operating

efficiency and reducing low speed noise for turbine aircraft engines [NASA-CASE-LAR-11310-1] c28 N73-31699

JET AMPLIPIERS Fluid jet amplifier with fluid from jet nozzle deflected by inlet pressure [NASA-CASE-XLE-03512] c12 N69-21 c12 N69-21466

Fluid control jet amplifiers
[NASA-CASE-XLE-09341]
JET BLAST EFFECTS c12 N71-28741 Separation mechanism for use between stages of

multistage rocket vehicles [NASA-CASE-XLA-00188] c15 N71-22874

JET CONTROL Attitude control device for space vehicles [NASA-CASE-XNP-00294] c21 N70-36938 JET ENGINES

Absorptive, nonreflecting barrier mounted between closely spaced jet engines on supersonic aircraft, for preventing shock wave interference

[NASA-CASE-XLA-02865] c28 N71-15563 Development of thrust dynamometer for measuring

performance of jet and rocket engines [NASA-CASE-XLF-05260] c14 N71-; Afterburner-equipped jet engine nacelle with slotted configuration afterbody c14 N71-20429

[NASA-CASE-XLA-10450] c28 N71-21493 Magnetic force welding to form T joints between jet engine parts of dissimilar thickness [NASA-CASE-LEW-10533-2] c15 N72-254

c15 N72-25479 Process for welding compressor and turbine blades to rotors and discs of jet engines [NASA-CASE-LEW-10533-1] c15 N73 c15 N73-28515

JET EXHAUST Development of aircraft configuration for reduction of jet aircraft noise by exhausting engine gases over upper surface of wing [NASA-CASE-LAR-11087-1] c02 N73-260

JET FLAPS Upper surface, external flow, jet-augmented flap configuration for high wing jet aircraft for noise reduction

[NASA-CASE-XLA-000871 c02 N70-33332 JET PLOW Two-phase flow system with discrete, impinging

two-phase jets [NASA-CASE-NPO-11556] c12 N72-25292 JET MIXING PLOW

Fuel injection system for maximum combustion efficiency of rocket engines [NASA-CASE-XLE-00111]

c28 N70-38199 JET NOZZLES

Fluid jet amplifier with fluid from jet nozzle deflected by inlet pressure [NASA-CASE-XLE-03512] c12 N69-21466 Thrust and attitude control apparatus using jet nozzle in movable canard surface or fin configuration

[NASA-CASE-XLE-03583] c31 N71-17629 JET THRUST System for aerodynamic control of rocket vehicles by secondary injection of fluid into

nozzle exhaust stream [NASA-CASE-XLA-01163] c21 N71-15582 Drive mechanism for operating reactance attitude

control system for aerospace bodies [NASA-CASE-IMP-01598] c21 N71-15583 JETTISON SYSTEMS Describing assembly for opening stabilizing and

decelerating flaps of flight capsules used in c31 N71-15675

System for deploying and ejecting releasable clamshell fairing sections from spinning

Transparent plastic film for attaching cover qlasses to silicon solar cells [NASA-CASE-LEW-11065-1] c03 N72-11064

JOINTS (ANATOMY) Space suit with pressure-volume compensator system [NASA-CASE-XLA-05332] c05 N71-11194

Equipotential space suits utilizing mechanical aids to minimize astronaut energy at bending

[NASA-CASE-LAR-10007-1] c05 N71-11195 Cord restraint system for pressure suit joints [NASA-CASE-XMS-09635] c05 N71-24623 JOINTS (JUNCTIONS)

Hollow spherical electrode for shielding dielectric junction between high voltage conductor and insulator

[NASA-CASE-XLE-03778] c09 N69-21542 Elastic universal joint for rocket motor mounting [NASA-CASE-XNP-00416] c15 N70-36947

Portable device for aligning surfaces of two adjacent wall or sheet sections for joining at point of junction
[NASA-CASE-XMF-01452] c15 N70-4137

Design and development of flexible joint for

pressure suits [NASA-CASE-XMS-09636] c05 N71-12344

Elbow forming in jacketed pipes while maintaining separation between core shape and jacket pipes

[NASA-CASE-XNP-10475] Method and apparatus for precision sizing and joining of large diameter tubes by bulging or

constricting overlapping ends [NASA-CASE-XMF-05114-2]

Universal joints for connecting two displaced shafts or members [NASA-CASE-NPO-10646] c15 N71-28467

Flexible bellows joint shielding sleeve for propellant transfer pipelines [NASA-CASE-XNP-01855] c15 N71 c15 N71-28937

Mechanism for restraining universal joints to prevent separation while allowing bending, angulation, and lateral offset in any position

about axis [NASA-CASE-XNP-02278] c15 N71-28951 Solid state welding of butt joint by fusion

welding, surface cleaning, and heating in air Welding, surface cleaning, and heating in air (NASA-CASE-LEW-11387-1) c15.W72-25471
Reduction of peak shear stress in bonded joint (NASA-CASE-LAR-10900-1) c15.W73-10499
Explosive welding of thin metal scarf joint (NASA-CASE-LAR-11211-1) c15.W73-14480

Improved latching device for joining structural

components in motionless relationship [NASA-CASE-MFS-21606-1] c15 N73-22417 JOULE-THONSON EPPECT

Gas balancing, cryoqenic refrigeration apparatus
with Joule-Thomson valve assembly [NASA-CASE-NPO-10309]

c15 N69-23190 JOURNAL BEARINGS Slit requiated das journal bearing
[NASA-CASE-XNP-00476] c15 l
Journal air bearing with cylindrical cup c15 N70-38620

designed to ride on shaft [NASA-CASE-MFS-20423]

Journal bearing sectors for lubricant films [NASA-CASE-LEW-11076-1] c15 N72 [NASA-CASE-LEW-11076-1] c15 N72-21473
Bearing sectors for controlling self excited

instability of journal bearing shafts rotating at high speeds in low viscosity lubricants [NASA-CASE-LEW-11076-2] c15 N73-2053 c15 N73-20533 JUNCTION DIODES

Phototransistor with base collector junction diode for integration into photo sensor arrays
[NASA-CASE-MFS-20407] c09 N73-1923 c09 N73-19235 JUNCTION TRANSISTORS

Apparatus for ballasting high frequency transistors

[NASA-CASE-XGS-05003] c09 N69-24318 Miniature piezojunction semiconductor transducer with in situ stress coupling

[NASA-CASE-ERC-10087-2]	c14 N72-31446	Spacecraft shock absorbing s	ystem for soft
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N		[NASA-CASE-XMF-02108] Shock absorber for landing q	c31 N70-36845
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Non-reusable kinetic energy absorb		[NASA-CASE-XMF-01045]	c15 N70-40354
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(NRSE-CASE-ALE-000 FO)	C13 M/U-34861	<pre>qear for rough terrain [NASA-CASE-XMF-01174]</pre>	-02 270 24500
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[NASA-CASE-XNP-08680]	c14 N71-22995	planetary landing modules	
XINETICS Micrometeoroid analyzer using array	rc of	[NASA-CASE-XMF-01045]	c15 N70-40354
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Design of mechanical device for sti	rring several	[NASA-CASE-LAR-11341-1]	c16 N73-25564
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[NASA-CASE-XAC-06956] Gas purged dry box glove reducing p	c15 N71-21177	using propagation of surfa	ce waves within
air or moisture into dry box or i		layer of photosensitive ma	
diffusion through glove	SOIDCOL DY	[NASA-CASE-MFS-22040-1] LASER MODE LOCKING	c16 N73-26500
[NASA-CASE-XLE-02531]	c05 N71-23080	Procedure and device for eff	ecting dual mode
Apparatus and process for volumetri		locking in pulsed Nd-YAG l	
dispensing reagent quantities of chemicals for small batch reaction		[NASA-CASE-GSC-11746-1] LASER MODES	c16 N73-32398
[NASA-CASE-NPO-10070]	c15 N71-27372	Overlapping beams of neodymi	um lagen fen
Development of variable angle device		detecting picosecond light	um laser for
positioning test tubes to permit	optimum	[NASA-CASE-ERC-10227]	c14 N70-12626
drying of culture medium [NASA-CASE-LAR-10507-1]	-11 970 05000	Xenon flashlamp driver syste	m for optical laser
Development of method for controlli	c11 N72-25284	pumping [NASA-CASE-ERC-10283]	c16 N72-25485
content of qas	,,	Development of acoustical co	ntrolled distributed
[NASA-CASE-NPO-10633]	c03 N72-28025	feedback laser with contin	uous frequency
Apparatus for mixing two or more li	guids under	spectrum tuning	
zero gravity conditions [NASA-CASE-LAR-10195-1]	c15 N73-19458	[NASA-CASE-NPO-13175-1] LASER OUTPUTS	c16 N73-27431
Self-scanning chromatographic-fluor	ographic drug	Method and apparatus using t	emperature control
detector with optical readout sys		for wavelength tuning of 1	iquid lasers
[NASA-CASE-ARC-10633-1]	c05 N73-22048	[NASA-CASE-ERC-10187]	c16 N69-31343
Laminar flow of liquid coolants in	rocket engines	Describing laser Doppler wel measuring mean velocity an	icometer for
[NASA-CASE-NPO-10122]	c12 N71-17631	fluid flow	d furbulence of
ANINATES		[NASA-CASE-MFS-20386]	c21 N71-19212
Multilayer porous refractory metal design with thick, porous, large-		Development of apparatus for	amplitude
substrates and thin, porous micro		modulation of diode laser in discharge of direct current	by periodic
substrates		[NASA-CASE-XMS-04269]	c16 N71-22895
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Laminated polyquinoxaline resin/fib qasket, resistant to ionizing rad		sensor [NASA-CASE-XAC-10770-1]	-46 X74 04000
liquid hydrogen temperatures	zaczon una	Calibrator for measuring and	c16 N71-24828
[NASA-CASE-MFS-21364]	c15 N72-20460	demodulating laser outputs	
Method for preparing laminates of s		[NASA-CASE-XLA-03410]	c16 N71-25914
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Development and characteristics of		(NASA-CASE-GSC-10216-11	c23 N71-26722
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[NASA-CASE-MFS-20408]	c18 N73-12604	and medical applications [NASA-CASE-HQN-10541-2]	-45 N24 0240C
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[NASA-CASE-LAR-10788-1] ANDING AIDS	c31 N73-20880	[NASA-CASE-HQN-10541-4]	c16 N71-27183
Electro-optical attitude sensing de	wice for	Development of laser illumina	ated device for
landing approach of flight vehicl	e	displaying conditions of cy in two dimensions	Vilndrical surfaces
[NASA-CASE-XMS-01994-1]	c14 N72-17326	[NASA-CASE-NPO-11861-1]	c14 N72-28461
Magnetic method for detection of ai position relative to runway	rcraft	Design and development of mul	ltichannel laser
[NASA-CASE-ARC-10179-1]	c21 N72-22619	remote control system using helium-neon laser as transm	
ANDING GEAR		collector as receiving ante	nna
Pivotal shock absorbing assembly fo		[NASA-CASE-LAR-10311-1]	c16 N73-16536
distributing portion in landing q	ear systems	Development of laser head for	simultaneous
of space vehicles [NASA-CASE-XMF-03856]	021 N70-20160	optical pumping of several	
Nose quar steering system for vehic	c31 N70-34159 les with main	[NASA-CASE-LAR-11341-1] Development of technique for	c16 N73-25564
skids to provide directional stab		using propagation of surface	ce waves within
loss of aerodynamic control		layer of photosensitive mat	erial
[NASA-CASE-XLA-01864] Landing pad assembly for aerospace	c02 N70-34160	[NASA-CASE-MFS-22040-1]	c16 N73-26500
[NASA-CASE-XMF-02853]	vehicles c31 N70-36654	Development of acoustical con feedback laser with continu	trolled distributed
Aircraft wheel spray drag alleviato	r for dual	spectrum tuning	ious frequency
tandem landing gear		[NASA-CASE-NPO-13175-1]	c16 N73-27431
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c02 N70-36825

LASEE RANGER/TEACKER SUBJECT INDEX

Development of technique and apparatus for	Supersonic or hypersonic vehicle control system
optically detonating insensitive high explosives	comprising elevons with hinge line sweep and
rnasa-case-npo-11743-1] c33 N73-29959	free of adverse aerodynamic cross coupling
Performance of ac power supply developed for CO2	[NASA-CASE-XLA-08967] CO2 N71-27088 LATERAL STABILITY
laser system	Strapped down gyroscope aligned with sun and
[NASA-CASE-GSC-11222-1] c16 N73-32391 Procedure and device for effecting dual mode	star tracker optical axis calibrating roll,
locking in pulsed Nd-YAG lasers	yaw and pitch values
[NASA-CASE-GSC-11746-1] c16 N73-32398	[NASA-CASE-ARC-10716-1] c31 N73-32784
LASEE RANGER/TRACKER	LATEX
Laser beam projector for continuous, precise	Nonflammable coatings of synthetic mica and
alignment between target, laser generator, and	silicate gelant solution mixed with latex
astronomical telescope during tracking	paint for use in liquid oxygen or high oxygen
[NASA-CASE-NPO-11087] c23 N71-29125	gaseous atmospheres [NASA-CASE-MFS-20486] c18 N72-21557
LASEBS	LATHES
Laser device for removing material from rotating	Rotary spindle lathe attachments for machining
object for dynamic balancing [NASA-CASE-MFS-11279] c16 N71-20400	geometrical cones
Design and development of optical interferometer	[NASA-CASE-XMS-04292] c15 N71-22722
with laser light source for application to	Lathe tool and holder combination for machining
schlieren systems	resin impregnated fiberglass cloth laminates
rnasa-case-xla-042951 c16 N71-24170	[NASA-CASE-XLA-10470] c15 N72-21489
Self-generating optical frequency waveguide	LAUNCH ESCAPE SYSTEMS Emergency escape cabin system for launch towers
[NASA-CASE-HQN-10541-1] c07 N71-26291	[NASA-CASE-XKS-02342] COS N71-11199
Design and characteristics of laser camera	Ejector for separating astronaut from ejection
system with diffusion filter of small particles with average diameter larger than	seat during prelaunch or initial launch phase
wavelength of laser light	of flight
[NASA-CASE-NPO-10417] c16 N71-33410	[NASA-CASE-XMS-04625] CO5 N71-20718
Ontical sensing of supersonic flows by	LAUNCH VEHICLES
correlating deflections in laser beams through	Support techniques for restraint of slender bodies such as launch vehicles
flow	[NASA-CASE-XLA-02704] c11 N69-21540
[NASA-CASE-MFS-20642] c14 N72-21407	Microleak detector mounted on weld seam of
Measurement of relative azimuth bearing using laser source for projecting collimated beam	propellant tank of launch vehicle
[NASA-CASE-GSC-11262-1] c16 N72-21503	[NASA-CASE-XMF-02307] C14 N71-10779
Laser technique for breaking ice in ship path	Squib actuated disconnect for spacecraft
r NA SA - CASE - LAR - 10815 - 11	coupling to launch vehicle
Short range obstacle detector for surface	[NASA-CASE-NPO-13172-1] c33 N73-17917
vehicles using laser diode array	LAUBCHING PADS Launch pad missile release system with bending
[NASA-CASE-NPO-11856-1] c16 N72-25490 Development of acoustical controlled distributed	moment change rate reduction in thrust
feedback laser with continuous frequency	distribution structure at liftoff
spectrum tuning	[NASA-CASE-XMF-03198] c30 N70-40353
[NASA-CASE-NPO-13175-1] c16 N73-27431	Remotely actuated quick disconnect for tubular umbilical conduits used to transfer fluids
System for maintaining intensity of laser beam	from ground to rocket vehicle
constant in thermomagnetic recording and	[NASA-CASE-XLA-01396] CO3 N71-12259
magneto-optic playback system [NASA-CASE-NPO-11317-2] c16 N73-31468	portable equipment for validating C band launch
Design of precision vertical alignment system	pad antennas and transmission lines used for
using laser with gravitationally sensitive	spacecraft checkout [NASA-CASE-XKS-10543] c07 N71-26292
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[NASA-CASE-ARC-10444-1] c16 N73-33397	LEAD TELLURIDES Bonding method for improving contact between
Bolt-latch mechanism for releasing despin	lead telluride thermoelectric elements and
weights from space vehicle	tungsten electrodes
[NASA-CASE-XLA-00679] c15 N70-38601	[NASA-CASE-XGS-04554] c15 N69-39786
Transparent polycarbonate resin, shell helmet	Procedure for segmenting lead telluride and
and latch design for high altitude and space	silicon germanium thermoelectric elements to
flight	obtain composite elements effective over wide temperature range
[NASA-CASE-XMS-04935] COS N71-11190	[NASA-CASE-XGS-05718] c26 N71-16037
Quick disconnect latch and handle combination for mounting articles on walls or supporting	LEADING EDGES
bases in spacecraft under zero gravity	Leading edge design for hypersonic reentry
conditions	vehicles
[NASA-CASE-MPS-11132] c15 N71-17649	[NASA-CASE-XLA-00165] c31 N70-33242 Construction of leading edges of surfaces for
Design, development, and characteristics of	aerial vehicles performing from subsonic to
latching mechanism for operation in limited	above transonic speeds
access areas [NASA-CASE-XMS-03745] c15 N71-21076	[NASA-CASE-XLA-01486] CO 1 N71-23497
Latching mechanism with pivoting catch and	LEAKAGE
self-contained spring ejector	Rocket chamber leak test fixture using tubular
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Latch for fastening spacecraft docking rings [NASA-CASE-MSC-15474-1] c15 N71-26162	Microleak detector mounted on weld seam of
Fail safe latching mechanism for spacecraft	propellant tank of launch vehicle
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Improved latching device for joining structural	monitoring capability [NASA-CASE-LAR-10323-1] c12 N71-17573
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Three-axis controller operated by hand-wrist	thermal extremes, physical punctures, and
motion for yaw, pitch, and roll control	radiation with high mobility articulation [NASA-CASE-XAC-07043] c05 N71-23161
[NASA-CASE-XAC-01404]	[NASA-CASE-XAC-07043] c05 N71-23161 Development of apparatus and method for testing
Star sensor system for roll attitude control of	leakage of large tanks
spacecraft [NASA-CASE-XNP-01307] c21 N70-41856	[NASA-CASE-XMF-02392] C32 N71-24285

Gas leak detection in evacuated systems using	Inflatability and flotation of one man life raft
ultraviolet radiation probe	after puncture to main wall
[NASA-CASE-ERC-10034] c15 N71-24896	[NASA-CASE-LAR-10241-11
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containers	raft to reduce rocking and preclude capsizing
[NASA-CASE-ERC-10045] c15 N71-24910	[NASA-CASE-MSC-12393-1] c02 N73-26006
Volume displacement transducer for leak	LIFE SUPPORT SYSTEMS
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devices	high acceleration or deceleration forces
[NASA-CASE-ERC-10033] c14 N71-26672	
Test chambers with orifice and helium mass	Portable opgiconmontal cost N70-35152
spectrometer for detecting leak rate of	Portable environmental control and life support
encapsulated semiconductor devices	system for astronaut in and out of spacecraft
[NASA-CASE-ERC-10150] C14 N71-28992	[NASA-CASE-XMS-09632-1] c05 N71-11203
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leaks in hormotically scaled businessure	use by spacecrews in performing extravehicular
leaks in hermetically sealed housings	activities
[NASA-CASE-MFS-21761-1] c14 N73-18444	[NASA-CASE-MSC-12243-1] C05 N71-24728
Leak detector with high vacuum seals	Development of improved convolute section for
[NASA-CASE-LAR-11237-1] c14 N73-32344	pressurized suits to provide high degree of
LENSES	mobility in response to minimum of applied
Optical system for increasing light beam	torque
intensity within solar simulators	*****
[NASA-CASE-NPO-11096] c11 N70-25959	
Lens assembly for solar furnace or solar simulator	Development and characteristics of inflatable
[NASA-CASE-XNP-04111] c14 N71-15622	structure to provide escape from orbit for
Camera adapter design for image magnification	spacecrews under emergency conditions
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	Chlorine generator for purifying water in life
	support systems of manned spacecraft
Development and characteristics of Petzval type	[NASA-CASE-XLA-08913] C14 N71-28933
objective including field shaping lens for	Open loop life support subsystem using breathing
focusing light of specified wavelength band on	bag as reservoir for EVA
curved photoreceptor	[NASA-CASE-HSC-12411-1] c05 N72-20096
[NASA-CASE-GSC-10700] c23 N71-30027	Device for removing air from water for use in
Noise elimination in coherent imaging system by	life support systems in manned space flight
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distribution of degrading affects	INASA-CASE-XLA-8914] c15 N73-12492
[NASA-CASE-GSC-11133-1] c23 N72-11568	Intra- and extravehicular life support space
Photographic film restoration system using	suite for Apollo astronauts
Fourier transformation lenses and spatial filter	[NASA-CASE-MSC-12609-1] c05 N73-32012
[NASA-CASE-MSC-12448-1] C14 N72-20394	LIFT
[NASA-CASE-MSC-12448-1] c14 N72-20394 Plural beam antenna with parabolic reflectors	Turbofans under wings to provide lift and thrust
	for STOL aircraft
[NASA-CASE-GSC-11013-1] c09 N73-19234	[NASA-CASE-LEW-11224-1] c02 N72-10033
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Lenticular vehicle with foldable aerodynamic	Device for handling heavy loads by distributing
control flaps and reaction jets for operation	forces
above and within earth's atmosphere	[NASA-CASE-XNP-04969] C11 N60-27466
	[NASA-CASE-XNP-04969] c11 N69-27466
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL)	Techniques for recovery of multistage rocket
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL)	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Bot-wire liquid level detector for cryogenic propellants	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] c31 N70-34176
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] C31 N70-34176 Direct lift control system having flaps with
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY)	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (BORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] c31 N70-34176 Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] c02 N71-26110
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XHS-062361] c14 N71-21007	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (BORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] [NASA-CASE-LAR-10574-1] C11 N73-13257
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XHS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASSE-XHF-14301] c09 N71-23188	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] [NASA-CASE-LAR-10574-1] C11 N73-13257
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANFITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] c09 N71-23188 LEVELING	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high
[NASA-CASE-IGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANFITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] c09 N71-23188 LEVELING	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASSE-XLA-07911] c15 N71-15571	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DBAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-IAR-04901]
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Bot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASSE-XLA-07911] c15 N71-15571	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIPT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIPTING BODIES
[NASA-CASE-XGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DBAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] C31 N71-24315 LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections
[NASA-CASE-XGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XLR-00389] C31 N70-20126
[NASA-CASE-KGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-100371] c09 N71-19610	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-IAR-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHR-00389] Graphic illustration of lifting body design
[NASA-CASE-KGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NDO-10037] c09 N71-19610 Adjustable support device with jacket screw for	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIPT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLR-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XMF-00389] Graphic illustration of lifting body design [NASA-CASE-FRC-10063]
[NASA-CASE-XGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIPT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLR-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XMF-00389] Graphic illustration of lifting body design [NASA-CASE-FRC-10063]
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XLF-00389] Graphic illustration of lifting body design
[NASA-CASE-XGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XMF-00389] Graphic illustration of lifting body design [NASA-CASE-XMF-00389] Static force balancing system attached to lifting body [NASA-CASE-IRR-10063]
[NASA-CASE-XGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XMF-00389] Graphic illustration of lifting body design [NASA-CASE-XMF-00389] Static force balancing system attached to lifting body [NASA-CASE-IRR-10063]
[NASA-CASE-KGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMS-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] C31 N71-24315 LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-00369] Static force balancing system attached LIFTING DOCUMENTER VEHICLES
[NASA-CASE-KGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] GRASA-CASE-XHF-00389] C31 N70-34176 Graphic illustration of lifting body design [NASA-CASE-KC-10063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REBETTRY VEHICLES Lenticular vehicle with foldable aerodynamic
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIPT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XMF-00389] Graphic illustration of lifting body design [NASA-CASE-XMF-0068] Static force balancing system attached to lifting body [NASA-CASE-LAR-10948-1] LIPTING REBETERY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-TR-10063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REENTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-KER-10063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REBETTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere
[NASA-CASE-KGS-00 260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-0063] Static force balancing system attached to lifting body [NASA-CASE-IRR-10063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REENTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KS-00260] Zal N70-37924 Variable geometry manned orbital vehicle baying
[NASA-CASE-XIS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-00389] Static force balancing system attached to lifting body [NASA-CASE-XHF-10348-1] LIFTING REBENTNY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-IGS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed
[NASA-CASE-XGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions [NASA-CASE-NGS-05533] c04 N69-27487	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IMR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IMR-10574-1] LIPT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] C31 N70-34176 Graphic illustration of lifting body design [NASA-CASE-IMR-00389] C31 N70-34176 Graphic illustration of lifting body design [NASA-CASE-IMR-10348-1] LIPTING REBETRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-IMR-10348-1] LIPTING REBETRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-IMS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings
[NASA-CASE-XIS-00.260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XIE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] C14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] C09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XIA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] C15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions [NASA-CASE-NGS-05533] Describing method for lyophilization of	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-IAR-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Graphic illustration of lifting body design [NASA-CASE-IMF-00389] Graphic illustration system attached to lifting body [NASA-CASE-IMF-10063] Static force balancing system attached to lifting body [NASA-CASE-IMF-00389] LIFTING REENTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-ISS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XIM-03691]
[NASA-CASE-XGS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] C14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] C09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] C15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] C14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions [NASA-CASE-XGS-05533] C04 N69-27487 Describing method for lyophilization of luciferase containing mixtures for use in life	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHA-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHR-1063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REBURNY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KSG-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XLA-03691] Designing spacecraft for flight into space.
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-NFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase compositions [NASA-CASE-XGS-05533] c04 N69-27487 Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHA-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHR-1063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REBURNY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KSG-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XLA-03691] Designing spacecraft for flight into space.
[NASA-CASE-XIS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XIE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] C14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] C09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XIA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions [NASA-CASE-XGS-05533] Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-MGS-05532] C06 N71-17705	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addiacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-IAR-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Graphic illustration of lifting body design [NASA-CASE-IMF-00389] Static force balancing system attached to lifting body [NASA-CASE-IMF-10348-1] LIFTING REENTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-ICSE-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XIM-03691]
[NASA-CASE-KGS-00260] c31 N70-37924 LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] c23 N71-17802 LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] c09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] c15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] c09 N71-19610 Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] c15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] c14 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase compositions [NASA-CASE-XGS-05533] c04 N69-27487 Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-XGS-05532] c06 N71-17705	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-0063] Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIFTING REBHTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KG-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XLA-03691] Designing spacecraft for flight into space, atmospheric reentry, and landing at selected sites
[NASA-CASE-KGS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] CO9 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-NFS-22039-1] C15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-NFS-22039-1] C15 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase compositions [NASA-CASE-XGS-05533] Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-XGS-05532] C06 N71-17705 LIFE RAFTS Design of inflatable life raft for aircrafts and	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHA-00389] Graphic illustration of lifting body design [NASA-CASE-XHR-00389] Graphic illustration of lifting body design [NASA-CASE-XHR-10348-1] LIFTING REBETSY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-XGS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XLA-03691] Designing spacecraft for flight into space, atmospheric reentry, and landing at selected sites [NASA-CASE-XAC-02058]
[NASA-CASE-XIS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XIE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] C14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-IMF-14301] C09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XIA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATP in luciferase compositions [NASA-CASE-XGS-05533] Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-MGS-05532] C06 N71-17705	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] CO2 N71-26110 Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] C11 N73-13257 LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] C31 N71-24315 LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHR-00389] C31 N70-34176 Graphic illustration of lifting body design [NASA-CASE-KRC-10063] C01 N71-12217 Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] C11 N73-12264 LIFTING REEMTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KGS-00260] C31 N70-37924 Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XGS-00260] C31 N71-15674 Designing spacecraft for flight into space, atmospheric reentry, and landing at selected sites [NASA-CASE-XAC-02058] C02 N71-16087
[NASA-CASE-KGS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] C14 N71-21007 Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] C09 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-MFS-22039-1] LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase compositions [NASA-CASE-XGS-05533] Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-KGS-05532] C06 N71-17705 LIFE RAPTS Design of inflatable life raft for aircrafts and boats	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots addacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-LAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high draq-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIFTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-XHF-00389] Graphic illustration of lifting body design [NASA-CASE-XHF-0063] Static force balancing system attached to lifting body [NASA-CASE-IRR-10063] Static force balancing system attached to lifting body [NASA-CASE-IRR-10348-1] LIFTING REBETEN VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KOS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XLA-03691] Designing spacecraft for flight into space, atmospheric reentry, and landing at selected sites [NASA-CASE-XLA-0368] CO2 N71-16087 LIGHT (VISIBLE RADIATION) Light baffle with oblate hemispheroid surface
[NASA-CASE-KGS-00260] LEVEL (HORIZONTAL) Hot-wire liquid level detector for cryogenic propellants [NASA-CASE-XLE-00454] LEVEL (QUANTITY) Gauge for measuring quantity of liquid in spherical tank in reduced gravity [NASA-CASE-XMS-06236] Conversion of positive dc voltage to positive dc voltage of lower amplitude [NASA-CASE-XMF-14301] CO9 N71-23188 LEVELING Development of adjustable attitude quide block for setting pins perpendicular to irregular convex work surface [NASA-CASE-XLA-07911] C15 N71-15571 Electrical switching device comprising conductive liquid confined within square loop of deformable nonconductive tubing also used for leveling [NASA-CASE-NPO-10037] Adjustable support device with jacket screw for altering distance between base and supported member [NASA-CASE-NPO-10721] Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-NFS-22039-1] C15 N72-27484 Automatically operable self-leveling load table with plurality of solenoid valves [NASA-CASE-NFS-22039-1] C15 N73-30428 LIFE DETECTORS Use of enzyme hexokinase and glucose to reduce inherent light levels of ATF in luciferase compositions [NASA-CASE-XGS-05533] Describing method for lyophilization of luciferase containing mixtures for use in life detection reactions [NASA-CASE-XGS-05532] C06 N71-17705 LIFE RAFTS Design of inflatable life raft for aircrafts and	Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-IMF-00389] Direct lift control system having flaps with slots adjacent to their leading edge and particularly adapted for lightweight aircraft [NASA-CASE-IAR-10249-1] Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-IAR-10574-1] LIFT DRAG RATIO Design of ring wing vehicle of high drag-to-weight ratio to withstand reentry stress into low density atmosphere [NASA-CASE-XLA-04901] LIPTING BODIES Techniques for recovery of multistage rocket vehicles by providing lifting surfaces on individual sections [NASA-CASE-KE-00389] Graphic illustration of lifting body design [NASA-CASE-KE-00389] Col N71-12217 Static force balancing system attached to lifting body [NASA-CASE-LAR-10348-1] LIPTING REBERTRY VEHICLES Lenticular vehicle with foldable aerodynamic control flaps and reaction jets for operation above and within earth's atmosphere [NASA-CASE-KGS-00260] Variable geometry manned orbital vehicle having high aerodynamic efficiency over wide speed range and incorporating auxiliary pivotal wings [NASA-CASE-XIA-03691] Designing spacecraft for flight into space, atmospheric reentry, and landing at selected sites [NASA-CASE-XAC-02058] LIGHT (VISIBLE RADIATION)

LIGHT AIRCRAFT SUBJECT INDEX

Maksutov spectrograph for low light level research	transmitted, and reflected beams simultaneously
[NASA-CASE-XLA-10402] c14 N71-29641 Method and apparatus for producing intense,	[NASA-CASE-MFS-20074] c16 N71-15565 Optical characteristics measuring apparatus
coherent, monochromatic light from low	[NASA-CASE-XNP-08840] c23 N71-16365
temperature plasma	Optical monitor panel consisting of translucent
[NASA-CASE-XNP-04167-3] c25 N72-21693	screen with test or meter information
Device for detection of combustion light	projected onto it from rear for application in
preceding qaseous explosions	control rooms of missile launching and tracking stations
[NASA-CASE-LAR-10739-1] c14 N73-16484 LIGHT AIRCRAFT	[NASA-CASE-XKS-03509] c14 N71-23175
Direct lift control system having flaps with	Detecting molecular constituents in radiation
slots adjacent to their leading edge and	transparent media by measuring intensity of
particularly adapted for lightweight aircraft	light transmitted through cell while applying
[NASA-CASE-LAR-10249-1] CO2 N71-26110	electrostatic or electromagnetic field
LIGHT BRAMS	[NASA-CASE-ERC-10021]
Overlapping beams of neodymium laser for detecting picosecond light pulses	Solar cell panel with light transmitting cower plate
[NASA-CASE-ERC-10227] c14 N70-12626	[NASA-CASE-NPO-10747] . c03 N72-22042
Optical system for increasing light beam	Method and system for transmitting and
intensity within solar simulators.	distributing optical frequency radiation
[NASA-CASE-NPO-11096] c11 N70-25959	[NASA-CASE-HQN-10541-3] c23 N72-23695
Cylindrical reflector for resolving wide angle light beam from telescope into narrow beam for	Thin absorbing metallic film for increased visible light transmission
spectroscopic analysis	[NASA-CASE-LAR-10836-1]
[NASA-CASE-XGS-08269]	Transmitting and reflecting diffusers for
Development and characteristics of optical	ultraviolet light
communications system based on modulation of	[NASA-CASE-LAR-10385-2] c23 N72-28694
light beams	LIGHTING EQUIPMENT
[NASA-CASE-XLA-01090] c16 N71-28963 Multiple pattern holographic information storage	Sealed fluorescent tube light unit capable of connection with other units to form string of
and readout system	work lights
[NASA-CASE-ERC-10151] c16 N71-29131	[NASA-CASE-XKS-05932] c09 N71-26787
LIGHT GAS GUNS	Pressurized inert gas feed for lighting system,
Implosion driven, light gas, hypervelocity gun	[NASA-CASE-KSC-10644] c09 N72-27227
[NASA-CASE-XAC-05902] c11 N71-18578	LIGHTNING
Optical retrodirective modulator with focus	Apparatus for determining distance to lighting strokes from single station by magnetic and
spoiling reflector driven by modulation signal	electric field sensing antennas
[NASA-CASE-GSC-10062] c14 N71-15605	[NASA-CASE-KSC-10698] c07 N73-20175
Modulating and controlling intensity of light	System for locating lightning strokes by
beam from high temperature source by	coordination of directional antenna signals
servocontrolled rotating cylinders	[NASA-CASE-KSC-10729-1] c09 N73-32110
[NASA-CASE-XMS-04300] c09 N71-19479 Method and apparatus for optically modulating	Monitoring and recording lightning strokes in predetermined area
light or microwave beam	[NASA-CASE-KSC-10728-1] c14 N73-32319
[NASA-CASE-GSC-10216-1] c23 N71-26722	LIMITER CIRCUITS
Development and characteristics of optical	Transistorized current-limiting voltage
communications system based on modulation of	regulator for use between unregulated voltage
light beams [NASA-CASP-XLA-01090]	source and load [NASA-CASE-MSC-11824-1] c09 N70-35574
Lamp modulator for generating visual indication	Variable duration pulse integrator design for
of presence and magnitude of signal	integrating pulse duration modulated pulses
[NASA-CASE-KSC-10565] c09 N72-25250	with elimination of ripple content
LIGHT SOURCES	[NASA-CASE-XLA-01219] c10 N71-23084
Light radiation direction indicator with baffle	Circuits for amplitude limiting of random noise
of two parallel grids [NASA-CASE-XNP-03930] c14 N69-24331	inputs [NASA-CASE-NPO-10169] c10 N71-24844
High intensity heat and light unit containing	Velocity limiting safety system for motor driven
quartz lamp elements protectively positioned	research vehicle
to withstand severe environmental stress	[NASA-CASE-XLA-07473] c15 N71-24895
[NASA-CASE-XLA-00141] c09 N70-33312	LINEAR ACCELERATORS
Photosensitive light source device for detecting unmanned spacecraft deviation from reference	Linear accelerator frequency control system [NASA-CASE-XGS-05441] c10 N71-22962
attitude	LINEAR RECEIVERS
[NASA-CASE-XNP-00438] c21 N70-35089	Antenna array at focal plane of reflector with
Electro-optical detector for determining	coupling network for beam switching
position of light source	[NASA-CASE-GSC-10220-1] c07 N71-27233
NASA-CASE-XNP-01059] c23 N71-21821	LINEAR SYSTEMS
Optical system for selecting particular wavelength light beams from multiple	Linear three-tap feedback shift register [NASA-CASE-NPO-10351] c08 N71-12503
wavelength light source	Family of m-ary linear feedback shift register
[NASA-CASE-ERC-10248] c14 N72-17323	with binary logic
Electro-optical stabilization of calibrated	[NASA-CASE-NPO-11868] c10 N73-20254
light source	LINEARITY
[NASA-CASE-MSC-12293-1] c14 N72-27411 High resolution attitude sensor for sensing	Semilinear bearing comprising two rows of roller
spacecraft attitude relative to light source	bearings separated by spherical bearings and permitting rotational and translational movement
[NASA-CASE-LAR-10586-1] c14 N73-11406	[NASA-CASE-XLA-02809] c15 N71-22982
Development of temperature compensated light	Mechanical actuator wherein linear motion
source with components and circuitry for	changes to rotational motion
maintaining luminous intensity independent of temperature variations	[NASA-CASE-XGS-04548] c15 N71-24045
[NASA-CASE-ARC-10467-1] c09 N73-14214	Development of collapsible nozzle extension for
Interferometer prism and control system for	rocket engines
precisely determining direction to remote	[NASA-CASE-MFS-11497] c28 N71-16224
light source	Design and construction of mechanical probe for
[NASA-CASE-ARC-10278-1] c14 N73-25463 LIGHT TRANSMISSION	determining if object is properly secured
Hybrid holographic system using reference,	[NASA-CASE-MFS-20760] c14 N72-33377

SUBJECT INDEX LIQUID PHASES

Development of mechanical linkage for lifting	LIQUID HYDROGEN
<pre>pin-supported electronic packages from electronic circuit boards without damage to</pre>	Development of thermal insulation material for insulating liquid hydrogen tanks in spacecraft
connector pins	[NASA-CASE-XMF-05046] c33 N71-28892
[NASA-CASE-NPO-13157-1] c15 N73-26475 LIQUID BEARINGS	Laminated polyquinoxaline resin/fiberglass
Fatigue life of hybrid antifriction bearings at	gasket, resistant to ionizing radiation and liquid hydrogen temperatures
ultrahigh speeds	[NASA-CASE-MFS-21364] c15 N72-20460
[NASA-CASE-LEW-11152-1] c15 N73-32359 LIQUID COOLING	LIQUID INJECTION
Water cooled contactors for holding rotating	Thrust vector control by secondary injection of fluid into rocket nozzle flow field to
carbon arc anode	separate exhaust flow
[NASA-CASE-XMS-03700] c15 N69-24266 External device for liquid spray cooling of qas	[NASA-CASE-XLE-00208] c28 N70-34294 System for aerodynamic control of rocket
turbine blades	vehicles by secondary injection of fluid into
[NASA-CASE-XLE-00037] c28 N70-33372 Water cooled solenoid capable of producing	nozzle exhaust stream
magnetic field intensities up to 100 kilogauss	[NASA-CASE-XLA-01163] c21 N71-15582 Propellant injection assembly having
[NASA-CASE-XNP-01951] c09 N70-41929	individually removable and replaceable nozzles
Laminar flow of liquid coolants in rocket engines [NASA-CASE-NPO-10122] c12 N71-17631	for liquid fueled rocket engines
Space suit body heat exchanger design composed	[NASA-CASE-XMF-00968] c28 N71-15660 LIQUID LASERS
of thermal conductance yarn and liquid coolant loops	Method and apparatus using temperature control
[NASA-CASE-XMS-09571] c05 N71-19439	for wavelength tuning of liquid lasers [NASA-CASE-ERC-10187] c16 N69-31343
Electric power system with circulatory liquid	LIQUID LEVELS
coolant cooling system [NASA-CASE-MFS-14114-2] c09 N71-24807	Control system for maintaining liquid nitrogen
Electric power system with thermionic diodes and	level in cryogenic reservoir [NASA-CASE-XLA-09714] c03 N70-35700
circulatory liquid metal coolant lines	Inductive liquid level detection system
[NASA-CASE-HFS-14114] c33 N71-27862 Apparatus for liquid spray cooling of turbine	[NASA-CASE-XLE-01609] c14 N71-10500 LIQUID METALS
blades	Magnetohydrodynamic generator for mixing
[NASA-CASE-XLE-00027] c33 N71-29152 Automatic control device for regulating inlet	nonconductive gas and liquid metal mist to
water temperature of liquid cooled spacesuit	form slugs [NASA-CASE-XLE-02083] c03 N69-39983
[NASA-CASE-HSC-13917-1] c05 N72-15098	Thermoelectric power conversion by liquid metal
Automatic temperature control for liquid cooled space suit	flowing through magnetic field
[NASA-CASE-ARC-10599-1] c05 N73-26071	[NASA-CASE-XNP-00644] c03 N70-36803 Analytical test apparatus and method for
LIQUID CRYSTALS Development of combined velocimeter and	determining oxygen content in alkali liquid
accelerometer based on color changes in liquid	metal [NASA-CASE-XLE-01997] c06 N71-23527
crystalline material subjected to shear stresses	Electric power system with thermionic diodes and
[NASA-CASE-ERC-10292] c14 N72-25410 Input signal measurement using liquid	circulatory liquid metal coolant lines
crystalline elements	[NASA-CASE-MFS-14114] c33 N71-27862 Flexible barrier membrane comprising porous
[NASA-CASE-ERC-10275] c26 N72-25680	substrate and incorporating liquid gallium or
LIQUID FILLED SHELLS Liquid rocket systems for propulsion and control	indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants
of spacecraft	[NASA-CASE-XNP-08881] c17 N71-28747
[NASA-CASE-XNP-00610] c28 N70-36910 Design and development of fluid sample collector	High-voltage isolator design for injecting
[NASA-CASE-XMS-06767-1] c14 N71-20435	hydrogen bubbles into liquid metal feed lines to interrupt electrical continuity
Manufacture of fluid containers from fused	[NASA-CASE-NPO-11075] CO9 N71-34208
coated polyester sheets having resealable septum [NASA-CASE-NPO-10123] c15 N71-24835	Design and operation of electromagnetic flow rate meter for liquid metals
Omnidirectional liquid filled accelerometer	[NASA-CASE-LEW-10981-1] c14 N72-20406
design with liquid and housing temperature compensation	Shell-side liquid metal boiler employing tube
[NASA-CASE-HQN-10780] c14 N71-30265	and shell heat exchanger [NASA-CASE-NPO-10831] c33 N72-20915
LIQUID FLOW	U shaped heated tube for distillation and
Reduced gravity liquid configuration simulator to study propellant behavior in rocket fuel	purification of liquid metals
tanks	[NASA-CASE-XNP-G8124-2] c06 N73-13129 LIQUID NITROGEN
[NASA-CASE-XLE-02624] c12 N69-39988 Liquid junction for glass electrode or pH meters	Control system for maintaining liquid nitrogen
[NASA-CASE-NPO-10682] C15 N70-34699	level in cryogenic reservoir [NASA-CASE-XLA-09714] c03 N70-35700
Actuator using compressed gas as driving force	Transferring liquid nitrogen through vacuum
to control valve handling large liquid flows [NASA-CASE-XHQ-01208] c15 N70-35409	chamber to cryopanel
Two component valve assembly for cryogenic	[NASA-CASE-LAR-10031] c15 N72-22484 LIQUID OXYGEN
liquid transfer regulation [NASA-CASE-XLE-00397] c15 N70-36492	Dye penetrant and technique for nondestructive
[NASA-CASE-XLE-00397] c15 N70-36492 Positive displacement flowmeter for measuring	tests of solid surfaces contacted by liquid oxygen
extremely low flows of fluid with self	[NASA-CASE-XHF-02221] C18 N71-27170
calibrating features [NASA-CASE-XMF-02822] c14 N70-41994	Nonflammable coatings of synthetic mica and
High pressure liquid flow sight assembly for	silicate qelant solution mixed with latex paint for use in liquid oxygen or high oxygen
wide temperature range applications including	qaseous atmospheres
cryogenic fluids [NASA-CASE-XLE-02998] c14 N70-42074	[NASA-CASE-MFS-20486] c18 N72-21557 LIQUID PHASES
Carrier liquid system containing bodies of	Method and feed system for separating and
ablative material [NASA-CASE-LEW-10359-2] c33 N73-25952	orienting liquid and vapor phases of liquid
[NASA-CASE-LEW-10359-2] c33 N73-25952 Zero gravity liquid transfer device, using	propellants in zero gravity environment [NASA-CASE-XLE-C1182] c27 N71-15635
spiral shaped screen	Hydraulic apparatus for casting and molding of
[NASA-CASE-KSC-10626] c14 N73-27378	liquid polymers
	[NASA-CASE-XNP-07659] CO6 N71-22975

mixed liquid and vapor phase analyzer design	[NASA-CASE-XLE-00454]
with thermocouples for relative heat transfer measurement	Slosh and swirl alleviator for liquid propellant tanks during transport and flight
[NASA-CASE-NPO-10691] c14 N71-26199	[NASA-CASE-XLA-05749] c15 N71-19569
LIQUID PROPELLANT ROCKET ENGINES	Pressure sensor network for measuring liquid dynamic response in flight including fuel tank
High thrust annular liquid propellant rocket engine and exhaust nozzle design	acceleration, liquid slosh amplitude, and fuel
[NASA-CASE-XLE-00078] c28 N70-33284	depth monitoring
Attitude and propellant flow control system for	. [NASA-CASE-XLA-05541] c12 N71-26387 LIQUID-GAS MIXTURES
liquid propellant rocket vehicles [NASA-CASE-XMF-00185] c21 N70-34539	Liquid-gas separator adapted for use in zero
Injector manifold assembly for bipropellant	gravity environment - drawings
rocket engines providing for fuel propellant to serve as coolant	[NASA-CASE-XMS-01624] c15 N70-40062 Absorbent apparatus for separating gas from
[NASA-CASE-XMF-00148] c28 N70-38710	liquid-gas stream used in environmental
Collapsible auxiliary tank for restarting liquid	control under zero gravity conditions [NASA-CASE-XMS-01492] c05 N70-41297
propellant rocket motors under zero gravity [NASA-CASE-XNP-01390] c28 N70-41275	Venting device for liquid propellant storage
Rocket propellant injector with porous faceplate	tank using magnetic field to separate liquid
for rocket engine combustion chamber [NASA-CASE-LEW-11071-1] c27 N73-27695	and gaseous phases [NASA-CASE-XLE-01449] c15 N70-41646
LIQUID ROCKET PROPELLANTS	Liquid-gaseous centrifugal separator for
Maximum density fuming nitric acid used as	weightlessness environment [NASA-CASE-XLA-00415] c15 N71-16079
sterilizable oxidizer in bipropellants [NASA-CASE-NPO-10687] c27 N69-33347	Vapor-liquid separator design with vapor driven
Propellant injectors for rocket combustion	pump for separated liquid pumping for
chambers [NASA-CASE-XLE-00103] c28 N70-33241	application in propellant transfer [NASA-CASE-XMF-04042] c15 N71-23023
Liquid rocket systems for propulsion and control	LIQUID-VAPOR INTERFACES
of spacecraft [NASA-CASE-XNP-00610]	Describing apparatus for separating gas from cryogenic liquid under zero gravity and for
[NASA-CASE-XNP-00610] c28 N70-36910 Igniter capsule for chemical ignition of liquid	venting gas from fuel tank
rocket propellants	[NASA-CASE-XLE-00586] c15 N71-15968
[NASA-CASE-XLE-00323] c28 N70-38505 High temperature spark plug for igniting liquid	Liquid-vapor interface seal design for turbine rotating shafts including helical and
rocket propellants	molecular pumps and liquid cooling of mercury
[NASA-CASE-XLE-00660]	vapor [NASA-CASE-XNP-02862-1] c15 N71-26294
Compact high pressure filter for rocket fuel lines [NASA-CASE-XNP-00732] c28 N70-41447	Response analyzing apparatus for liquid vapor
Venting device for liquid propellant storage	interface sensor of sloshing rocket propellant [NASA-CASE-MFS-11204] c14 N71-29134
tank using magnetic field to separate liquid and gaseous phases	[NASA-CASE-MFS-11204] c14 N71-29134 LIQUIDS
[NASA-CASE-XLE-01449] C15 N70-41646	Liquid-qas separator adapted for use in zero
Liquid propellant tank design with semitoroidal bulkhead	qravity environment - drawings [NASA-CASE-XMS-01624] c15 N7C-40062
[NASA-CASE-XMF-01899] c31 N70-41948	Electrical switching device comprising
Method and feed system for separating and	conductive liquid confined within square loop of deformable nonconductive tubing also used
orienting liquid and vapor phases of liquid propellants in zero gravity environment	for leveling
[NASA-CASE-XLE-01182] c27 N71-15635	[NASA-CASE-NPO-10037] C09 N71-19610
Control valve and coaxial variable injector for controlling bipropellant mixture ratio and flow	Purification apparatus for vaporization and fractional distillation of liquids
[NASA-CASE-XNP-09702] c15 N71-17654	[NASA-CASE-XNP-08124] c15 N71-27184
Slosh and swirl alleviator for liquid propellant tanks during transport and flight	Quantitative liquid measurements in container by resonant frequencies
[NASA-CASE-XLA-05749] c15 N71-19569	[NASA-CASE-XNP-02500] c18 N71-27397
Filler valve design for supplying liquid	Resonant infrasonic qauqing device for measuring liquid quantity in closed bladderless reservoir
propellants at high pressure to space vehicles [NASA-CASE-XNP-01747] c15 N71-23024	[NASA-CASE-MSC-11847-1] c14 N72-11363
Electronic recording system for spatial mass	Ablative system with liquid carrying ablattive
distribution of liquid rocket propellant droplets or vapors ejected from high velocity	<pre>material bodies and forming self-replacing ablative surface</pre>
nozzles	[NASA-CASE-LEW-10359] c33 N72-25911
[NASA-CASE-NPO-10185] c10 N71-26339	Pressurized tank for feeding liquid waste into processing equipment
Flexible barrier membrane comprising porous substrate and incorporating liquid gallium or	[NASA-CASE-LAR-10365-1] c05 N72-27102
indium metal used as sealant barriers for	Automatic liquid collection and disposal system [NASA-CASE-LAR-11071-1] c15 N73-18474
spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747	Apparatus for mixing two or more liquids under
Response analyzing apparatus for liquid vapor	zero gravity conditions [NASA-CASE-LAR-10195-11 c15 N73-19458
interface sensor of sloshing rocket propellant [NASA-CASE-MFS-11204] c14 N71-29134	[NASA-CASE-LAR-10195-1] c15 N73-19458 LITHIUM COMPOUNDS
Development of electronic circuit for	Utilization of lithium p-lithiphenoxide to
measurement transducer power supply to be used	prepare star polymers [NASA-CASE-NPO-10998-1] c06 N73-32029
for liquid level measurement in liquid propellant rocket engines	LOAD DISTRIBUTION (FORCES)
[NASA-CASE-MFS-21698-1] c09 N73-26196	Force measuring instrument for structural members, particularly fastening bolts or studs
LIQUID SLOSHING Slosh damping method for liquid rocket	[NASA-CASE-XMF-00456] c14 N70-34705
propellant tanks	Multiple Belleville spring assembly with even
[NASA-CASE-XMF-00658] c12 N70-38997 Flexible ring slosh damping baffle for	load distribution [NASA-CASE-XNP-00840] c15 N70-38225
spacecraft fuel tank	LOAD TESTING MACHINES
[NASA-CASE-LAR-10317-1] c32 N71-16103 Submerged fuel tank baffles to prevent sloshing	Load cell protection device using spring-loaded breakaway mechanism
in liquid propellant rocket flight	[NASA-CASE-XMS-06782] c32 N71-15974
[NASA-CASE-XLA-04605] c32 N71-16106 Hot-wire liquid level detector for cryogenic	Development of device for transferring load from load cell to bypass mechanism
propellants	[NASA-CASE-XMS-06329-1] c15 N71-20441

SUBJECT INDEX LONG TERM EPPECTS

LOAD TESTS	[NASA-CASE-LAR-10686] C14 N71-28935
Differential pressure cell insensitive to changes in ambient temperature and extreme	Design of quick release locking pin for joining
overload	two or more load-carrying structural members [NASA-CASE-MPS-18495] c15 N72-11385
[NASA-CASE-XAC-00042] c14 N70-34816	LOCOMOTION
LOADING OPERATIONS Air bearings for near frictionless transfer of	Jet shoes for space locomotion
loads from one body to another	[NASA-CASE-XLA-08491] c05 N69-21380 Attitude control training device for astronauts
[NASA-CASE-XMF-01887] c15 N71-10617	permitting friction-free movement with five
LOADS (FORCES) Device for handling heavy loads by distributing	degrees of freedom
forces	[NASA-CASE-XMS-02977] c11 N71-10746 Restraint torso for increased mobility and
[NASA-CASE-XNP-04969] c11 N69-27466	reduced physiological effects while wearing
Two plane balance for simultaneous measurements of multiple forces	pressurized suits
[NASA-CASE-XAC-00073] c14 N70-34813	[NASA-CASE-MSC-12397-1] c05 N72-25119
Improving load capacity and fatigue life of	Technique for deriving logarithm of input signal
rolling element systems in rockets and missiles [NASA-CASE-XLE-02999] c15 N71-16052	using exponentially varying electric signal
Development of device for transferring load from	inversely [NASA-CASE-ERC-10267]
load cell to bypass mechanism	LOGIC CIRCUITS
[NASA-CASE-XMS-06329-1] c15 N71-20441 Valve assembly for controlling simultaneously	Selective gold diffusion on monolithic silicon
more than one fluid flow, and having stable	chips for switching and nonswitching amplifier devices and circuits and linear and digital
qualities under loads	logic circuits
[NASA-CASE-XMS-05890] c09 N71-23191 Solid state force measuring electromechanical	[NASA-CASE-ERC-10072] c09 N70-11148
transducers made of piezoresistive materials	Counter-divider circuit for accuracy and reliability in binary circuits
[NASA-CASE-ERC-10088] c26 N71-25490	[NASA-CASE-XMF-00421] c09 N70-34502
Turn on current transient limiter for	Binary to binary-coded decimal converter using
controlling peak current flow in high capacity load	single set of logic circuits notwithstanding number of shift register decades
[NASA-CASE-GSC-10413] c10 N71-26531	[NASA-CASE-XNP-00432] c08 N70-35423
Synchronous dc direct-drive system comprising	Conversion system for increasing resolution of
multiple-loop hybrid control system controlling load directly connected to actuator	analog to digital converters
[NASA-CASE-GSC-10065-1] c10 N71-27136	[NASA-CASE-XAC-00404] c08 N70-40125 Data processor having multiple sections
Force balanced throttle valve for fuel control	activated at different times by selective
in rocket engines [NASA-CASE-NPO-10808] c15 N71-27432	power coupling to sections
Energy absorption device in high precision gear	[NASA-CASE-XGS-G4767] c08 N71-12494 Binary sequence detector with few memory
train for protection against damage to	elements and minimized logic circuit complexity
Components caused by stop loads [NASA-CASE-XNP-01848] c15 N71-28959	[NASA-CASE-XNP-05415] C08 N71-12505
Air bearing for use in exterior environment for	Bistable multivibrator circuits operating at high speed and low power dissipation
moving heavy loads	[NASA-CASE-XGS-00823] c10 N71-15910
[NASA-CASE-WLP-10002] c15 N72-17451 Penetrometer for empirically determining	Logic AND gate for fluid circuits
load-bearing characteristics of inclined	[NASA-CASE-XLA-07391] c12 N71-17579 Logic circuit to ripple add and subtract binary
surfaces of remotely located bodies of soil	counters for spaceborne computers
[NASA-CASE-NPO-11103] c14 N72-21406 Measuring device for bearing preload using	[NASA-CASE-XGS-04766] c08 N71-18602
spring washers	Constructing Exclusive-Or digital logic circuit in single module
[NASA-CASE-MPS-20434] c11 N72-25288	[NASA-CASE-XLA-07732] c08 N71-18751
Variable direction force coupler for transmitting force along selectable curve path	Stepping motor control apparatus exciting
[NASA-CASE-MFS-20317] c15 N73-13463	windings in proper time sequence to cause motor to rotate in either direction
Turnbuckle device for tensile stress load	[NASA-CASE-GSC-10366-1] c10 N71-18772
measurements [NASA-CASE-MFS-21488-1] c14 N73-23526	Serial digital decoder design with square
Versatile ergometer with work load control	circuit matrix and serial memory storage units [NASA-CASE-NPO-10150] c08 N71-24650
[NASA-CASE-MFS-21109-1] c05 N73-27941	Binary to decimal decoder logic circuit design
Three-axis, adjustable loading structure for testing soundness of aircraft skin by applying	with feedback control and display device
pressure	[NASA-CASE-XKS-06167] c08 N71-24890 Design and development of multistage current
[NASA-CASE-FRC-10051-1] c14 N73-30416	steering switch with inductively coupled
LOCATES SYSTEM System for locating lightning strokes by	magnetic cores
coordination of directional antenna signals	[NASA-CASE-XNP-08567] c09 N71-26000 Logic circuit for generating multibit binary
[NASA-CASE-KSC-10729-1] c09 N73-32110	code word in parallel
LOCKING Releasable coupling device designed to receive	[NASA-CASE-XNP-04623] c10 N71-26103
and retain matching ends of electrical	Adaptive signal generating system and logic circuits for satellite television systems
connectors	[NASA-CASE-GSC-11367] c10 N71-26374
[NASA-CASE-XMS-07846-1] c09 N69-21927 LOCKS (FASTENERS)	Transistorized switching logic circuits with
Ball locking device which releases in response	tunnel diodes [NASA-CASE-GSC-10878-1] c10 N72-22236
to small forces when subjected to high axial	[NASA-CASE-GSC-10878-1] c10 N72-22236 Logical function and circuit generator
loads [NASA-CASE-XMF-01371] c15 N70-41829	[NASA-CASE-XLA-05099] c09 N73-13209
[NASA-CASE-XMF-01371] c15 N70-41829 Low friction bearing and lock mechanism for	Circuit with differential amplifier for
two-axis gimbal carrying satellite payload	synthesizing capacitance multiplier with microminiaturized feedback components
[NASA-CASE-GSC-10556-1] c31 N71-26537	[NASA-CASE-NPO-11948-1] c10 N73-15255
Locking device for retaining turbine rotor blades on turbine wheel	Integrated microcircuits and complementary
[NASA-CASE-XNP-00816] 628 N71-28928	four-phase logic system [NASA-CASE-MSC-14240-1.] c10 N73-21240
Longitudinalfilm gate and lock mechanism for	LONG TERM EFFECTS
securing film in motion picture cameras under vibration and high acceleration loads	Constant current source having two matched
	transistors -95

SUBJECT INDEX LONGITUDINAL CONTROL

[NASA-CASE-NPO-10733]	c09 N70-35631	LOW VOLTAGE
LONGITUDINAL CONTROL	3 2 1 - 4	High speed low level voltage commutating switch (NASA-CASE-XAC-00060) c09 N70-39915
Three-axis controller operated by motion for yaw, pitch, and roll	hand-wrist control	[NASA-CASE-XAC-00060] c09 N70+39915 Flexible monopole antenna with broad bandwidth
[NASA-CASE-XAC-01404]	c05 N70-41581	and low voltage standing wave ratio
LOOP ANTENNAS	antonna evetom	[NASA-CASE-MSC-12101] c09 N71-18720 Circuit design for failure sensing and
Collapsible, space erectable loop for space vehicle	antenna system	protecting low voltage electric generator and
[NASA-CASE-XEF-00437]	c07 N70-40202	power transmission networks
Automatic carrier acquisition sys locked loop receiver	tem for phase	[NASA-CASE-GSC-10114-1] c10 N71-27366 LUBRICANTS
[NASA-CASE-NPO-11628-1]	c07 N73-30113	Metallic film diffusion into metal or ceramic
LOCPS		surfaces for boundary lubrication in aerospace
Tape cartridge with high capacity endless-loop magnetic tape	storage or	environments [NASA-CASE-XLE-01765] c18 N71-10772
[NASA-CASE-XGS-00769]	c14 N70-41647	Metallic film diffusion for boundary lubrication
Endless loop tape transport mecha driving and tensioning recordin		in aerospace engineering [NASA-CASE-XLE-10337] c15 N71-24046
magnetic tape recorder		Journal bearing sectors for lubricant films
[NASA-CASE-XGS-01223]	c07 N71-10609	[NASA-CASE-LEW-11076-1] c15 N72-21473
High speed electrically actuated shuttering optical or fluid pas		Bearing sectors for controlling self excited instability of journal bearing shafts rotating
[NASA-CASE-ARC-10516-1]	c23 N72-27739	at high speeds in low viscosity lubricants
Filter for third order phase lock	ed loops in	[NASA-CASE-LEW-11076-2] c15 N73-20533 Utilization of thiophenyl ether disiloxane and
signal receivers [NASA-CASE-NPO-11941-1]	c10 N73-27171	trisiloxane as lubricant fluids in severe
LOW ASPECT RATIO		environment including space
Aerospace configuration with low ratio variability for high and		[NASA-CASE-MFS-22411-1] c15 N73-28532 Fluorinated esters of polycarboxylic acid and
[NASA-CASE-XLA-00142]	c02 N70-33286	lubricating compositions for use at extreme
Aerodynamic configuration for air	craft capable	temperature [NASA-CASE-MPS-21040-1] c06 N73-30098
of high speed flight and low dr speed takeoff or landing upon p		LUBRICATING OILS
existing airfields		Fluid seal formed by flexible disk on rotating
[NASA-CASE-XLA-00806]	c02 N70-34858	shaft to retain lubricating oils around shaft [NASA-CASE-XLE-05130-2] c15 N71-19570
Low cost efficient thermionic con	verter for use	LUBRICATION
in nuclear reactors	-00 NTO 10700	Variable resistance tension and lubrication
[NASA-CASE-NPO-13121-1] LOW DENSITY MATERIALS	c22 N73-12702	device, using oil-saturated leather wiper [NASA-CASE-KSC-10723-1] c15 N73-23553
Method and photodetector device f		Hollow high strength rolling elements for
abnormal voids in low density m [NASA-CASE-MFS-20044]	aterials c14 N71-28993	antifriction bearings fabricated from preformed components
Development of method and equipme		[NASA-CASE-LEW-11026-1] c15 N73-33383
detecting cracks in materials		LUBRICATION SYSTEMS Development of hybrid bearing lubrication system
subsurface matrix covered by in [NASA-CASE-MSC-14187-1]		with combination of standard type lubrication
LOW FREQUENCIES		and magnetic flux field for earth atmosphere
Determining sway of buildings by device using pendulum	low frequency	and space environment operation [NASA-CASE-XNP-01641] c15 N71-22997
[NASA-CASE-XMF-00479]	c14 N70-34794	Lubrication for bearings by capillary action
LOW MOLECULAR WEIGHTS	lor woight	from oil reservoir of porous material [NASA-CASE-XNP-03972] c15 N71-23048
Process for preparing high molect polyaryloxysilanes from lower to		LUMINAIRES
forms		Visual target luminaires for retrofire attitude
[NASA-CASE-XMF-08674]	c06 N71-28807	control [NASA-CASE-XMS-12158-1] c31 N69-27499
Low phase noise frequency divider		Development of ultraviolet resonance lamp with
deep space network communication	on system c10 N73-26229	improved transmission of radiation [NASA-CASE-ARC-10030] c09 N71-12521
[NASA-CASE-NPO-11569] LOW PRESSURE	CIQ 1175-20229	Lamp modulator for generating visual indication
Flowmeters for sensing low fluid		of presence and magnitude of signal [NASA-CASE-KSC-10565] c09 N72-25250
pressure for application to res studies	spiration rate	[NASA-CASE-KSC-10565] c09 N72-25250 Electrodeless lamp circuit driven by induction
[NASA-CASE-FRC-10022]	c12 N71-26546	[NASA-CASE-MFS-21214-1] c09 N73-30181
LOW SPEED Variable geometry manned orbital	wehicle hawing	LUMINOSITY Mechanism for measuring nanosecond time
high aerodynamic efficiency over		differences between luminous events using
range and incorporating auxilia	ary pivotal wings c31 N71-15674	streak camera [NASA-CASE-XLA-01987] c23 N71-23'976
[NASA-CASE-XLA-03691] Device utilizing RC rate generate		LUMINOUS INTENSITY
continuous slow speed measureme		Filter arrangement for controlling light
[NASA-CASE-XMF-02966] LOW TEMPERATURE ENVIRONMENTS	c10 N71-24863	intensity in motion picture camera used in optical pyrometry
Flexible, frangible electrochemic		[NASA-CASE-XLA-00062] c14 N70-33254
package for operation in low to environment	emperature	Development of star intensity measuring system which minimizes effects of outside interference
f NASA-CASE-XGS-100101	c03 N72-15986	[NASA-CASE-XNP-06510] c14 N71-23797
LOW TEMPERATURE TESTS		LUNAR BASES
Cryostat for flexure fatique tes composite materials	ting of	Development and characteristics of natural circulation radiator for use with nuclear
[NASA-CASE-XMF-02964]	c14 N71-17659	power plants installed in lunar space stations
Cryostat for use with horizontal machines at low temperatures	fatique testing	[NASA-CASE-XHQ-03673] c33 N71-29046
[NASA-CASE-XMP-10968]	c14 N71-24234	Conversion system for transforming slow scan
TOM AVCOOR	na in las	rate of Apollo TV camera on moon to fast scan
Vibration damping system operati environment for spacecraft mec		of commercial TV [NASA-CASE-XMS-07168] c07 N71-11300
[NASA-CASE-XMS-01620]	c23 N71-15673	- 04

SUBJECT IEDEX MAGNETIC COETROL

Three transceiver lunar emergency system to	refractory metals
relay voice communication of astronaut [NASA-CASE-MFS-21042] c07 N72-25171	[NASA-CASE-XLE-06773] c15 N71-23817 Design and development of layout tool for
LUNAR COMPOSITION Development and characteristics of pentrometer	machine shop use to locate point in precise reference to straight or bowed reference edge
for measuring physical properties of lunar	[NASA-CASE-PRC-10005] c15 N71-26145
surface [NASA-CASE-XLA-00934] c14 N71-22765	Optical gauging system for monitoring machine tool alignment
LUNAR REPLORATION	[NASA-CASE-XAC-09489-1] c15 N71-26673
Backpack carrier with retractable legs suitable for lunar exploration and convertible to	Caterpillar micropositioner for positioning machine tools adjacent to workpiece
rescue vehicle	[NASA-CASE-GSC-10780-1] c14 N72-16283
[NASA-CASE-LAB-10056] c05 N71-12351 Development and characteristics of pentrometer	MACHINERY Design of mechanical device for stirring several
for measuring physical properties of lunar	test tubes simultaneously
surface [NASA-CASE-XLA-00934] c14 N71-22765	[NASA-CASE-XAC-06956] c15 N71-21177 Precipitation detector and mechanism for
Lightweight propulsion unit for movement of	stopping and restarting machinery at
personnel and equipment across lunar surface [NASA-CASE-MFS-20130] c28 N71-27585	initiation and cessation of rain [NASA-CASE-XLA-02619] c10 N71-26334
Three transceiver lunar emergency system to	Development and characteristics of concentric
relay voice communication of astronaut [NASA-CASE-MFS-21042] c07 N72-25171	output differential qearing system [NASA-CASE-ARC-10462-1] c15 N73-29459
LUBAR FLYING VEHICLES	Apparatus for manufacturing polyester drive belts
Kinesthetic control simulator with multiple degree of freedom of movement similar to lunar	[NASA-CASE-NPO-13205-1] c15 N73-31442
flying vehicles	Laser machining device with dielectric
[NASA-CASE-LAR-10276-1] c11 N70-26813	functioning as beam wavequide for mechanical and medical applications
Apparatus for training astronaut crews to	[NASA-CASE-HQN-10541-2] c15 N71-27135
perform on simulated lunar surface under conditions of lunar gravity	Elastic mandrel fabrication of thin bottom walls with cavities for temperature measurement
[NASA-CASE-XMS-04798] c11 N71-21474	[NASA-CASE-LAR-10318-1] c14 N72-20396
LUNAR GRAVITY SIMULATOR Lunar and planetary gravity simulator to test	Lathe tool and holder combination for machining resin impregnated fiberglass cloth laminates
vehicular response to landing	[NASA-CASE-XLA-10470] c15 N72-21489
[NASA-CASE-XLA-00493] c11 N70-34786	MAGNESIUM Chemical spot test for identifying magnesium or
Lunar landing flight research vehicle	magnesium alloys used in aerospace applications
[NASA-CASE-XFR-00929] c31 N70-34966	[NASA-CASE-LAR-10953-1] c17 N73-27446
Lightweight propulsion unit for movement of	Procedure for bonding polytetrafluoroethylene
personnel and equipment across lunar surface [NASA-CASE-MFS-20130] c28 N71-27585	thermal protective sleeves to magnesium alloy conical shell components with different
LUNAR ROCKS	thermal coefficients
Impact bit for cutting, collecting, and storing samples such as lunar rock cuttings	[NASA-CASE+XLA-01262] c15 N71-21404 Chemical spot test for identifying magnesium or
[NASA-CASE-XNP-01412] c15 N70-42034	magnesium alloys used in aerospace applications
Development of device for separating,	[NASA-CASE-LAR-10953-1] c17 N73-27446 MAGNESIUM OXIDES
collecting, and viewing soil particles	Method for determining presence and type of OH
[NASA-CASE-XNP-0977C] c15 N71-20440 Device which separates and screens particles of	in MqO [NASA-CASE-NPO-10774] c06 N72-17095
soil samples for vidicon viewing in vacuum and reduced gravity environments	MAGNET COILS Improved alternator with windings of
[NASA-CASE-XNP-09770-3] c11 N71-27036	superconducting materials acting as permanent
System for recovering oxygen and/or water from extraterrestrial soil and iron oxide materials	magnet [NASA-CASE-XLE-02824] c03 N69-39890
[NASA-CASE-MSC-12332-1] c15 N72-15476	Relay circuit breaker with magnetic latching to
Portable penetrometer for analyzing soil characteristics	provide conductive and nonconductive paths for current devices
[NASA-CASE-MFS-20774] c14 N73-19420	[NASA-CASE-MSC-11277] CO9 N71-29008
LUNAR SURFACE VEHICLES Resilient vehicle wheel for lunar surface travel	MAGNETIC CHARGE DENSITY Ion engine with magnetic circuit for optimal
[NASA-CASE-MFS-20400] c31 N71-18611	discharge
Resilient wheel design with woven wire tire and abrasive treads for lunar surface vehicles	[NASA-CASE-XLE-01124] c28 N71-14043
[NASA-CASE-MFS-13929] c15 N71-27091	Ion engine with magnetic circuit for optimal
LUNGS Piston device for producing known constant	discharge [NASA-CASE-XLE-01124]
positive pressure within lungs by using thoracic muscles	MAGNETIC COILS Time division multiplexer with magnetic latching
[NASA-CASE-XMS-01615] c05 N70-41329	relays
AA	[NASA-CASE-XNP-00431] c09 N70-38998 Linear magnetic braking system with nonuniformly
/YI	wrapped primary coil producing constant braking force on secondary coil
MACHINE TOOLS Rotary impact-type rock drill for recovering	[NASA-CASE-XLE-05079] c15 N71-17652
rock cuttings [NASA-CASE-XNP-07478] c14 N69-21923	Electroexplosive safe-arm initiator using electric driven electromagnetic coils and
Description of protective device for providing	magnets to align charge
safe operating conditions around work piece in machine or metal working tool	[NASA-CASE-LAR-10372] c09 N71-18599
[NASA-CASE-XLE-01092] c15 N71-22797	Magnetically opened diaphragm design with camera
Description of device for aligning stacked sheets of paper for repetitive cutting	shutter and expansion tube applications [NASA-CASE-XLA-03660] c15 N71-21060
[NASA-CASE-XMS-04178] c15 N71-22798	Magnetically controlled plasma accelerator
Development and characteristics of frusto-conical die nib for extrusion of	capable of iqnition in low density qaseous environment

MAGNETIC CORBS SUBJECT INDEX

[NASA-CASE-XLA-00327] c25 N71-29184	Torquemeter for determining magnitude of torque
MAGNETIC COBES	generated by interaction of magnetic dipole
Variable frequency magnetic coupled	between test specimen and ambient magnetic field
multivibrator with temperature compensated	[NASA-CASE-XGS-01013] c14 N71-23725
frequency control circuit. [NASA-CASE-XGS-00458]	Fluxgate magnetometer for measuring magnetic field along two axes using one sensor
Variable frequency magnetic coupled	[NASA-CASE-GSC-10441-1] c14 N71-27325
multivibrator with output signal of constant	Segmented superconducting magnet producing
amplitude and waveform	staggered magnetic field and suitable for
[NASA-CASE-XGS-00131] c09 N70-38995	broadband traveling wave masers
Electronic counter circuit utilizing magnetic	[NASA-CASE-XGS-10518] c16 N71-28554
core and low power consumption	Magnetic method for detection of aircraft
[NASA-CASE-XNP-08836] c09 N71-12515	position relative to runway
Pulsed magnetic core memory element with blocking oscillator feedback for interrogation	[NASA-CASE-ARC-10179-1] c21 N72-22619
without loss of digital information	Radial magnetic field for ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770
[NASA-CASE-XGS-03303] c08 N71-18595	Automatic shunting of ion thrustor magnetic
Describing magnetic core current switching	field when thrustor is not operating
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[NASA-CASE-NPO-10567] c08 N71-24633	minimum hand and eye movement by operator
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and strength of original structure	rod to null position
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Transducer for measuring deflections from	tests along orthogonal axes of test specimen
vibrating structures	[NASA-CASE-MFS-20242] c14 N73-19421
[NASA-CASE-XLA-03135] c32 N71-16428	Material testing system with load sensor for
Gage for quality control of sealing surfaces of	applying and measuring cyclic tensile and
threaded boss	compressive loads to test specimens
[NASA-CASE-XMF-04966] c14 N71-17658	[NASA-CASE-MPS-20673] c14 N73-20476
Equipment for measuring partial water vapor	Development of droplet monitoring probe for use
pressure in gas tank	in analysis of droplet propagation in
[NASA-CASE-XMS-01618] c14 N71-20741	mixed-phase fluid stream
Gauge for measuring quantity of liquid in	[NASA-CASE-NPO-10985] c14 N73-20478
spherical tank in reduced gravity [NASA-CASE-XMS-06236] c14 N71-21007	Remotely controlled device for detection of mass
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	changes in selected specimens [NASA-CASE-MFS-21556-11 c14 N73-20487
Nonreuseable energy absorbing device comprising ring member with plurality of recesses,	[NASA-CASE-MFS-21556-1] c14 N73-20487 Jet aircraft noise and sonic boom measuring
cutting members, and guide member mounted in	device which converts sound pressure into
each recess	electric current
[NASA-CASE-XMF-10040] c15 N71-22877	[NASA-CASE-LAR-11173-1] c14 N73-22387
Ablation sensor for measuring surface ablation	Device for measuring tensile forces applied to
rate of material on vehicles entering earths	tension members
atmosphere on entry into planetary atmospheres	[NASA-CASE-MFS-21728-1] c14 N73-25467
[NASA-CASE-XLA-01791] c14 N71-22991	Device for measuring thermoelectric properties
Test fixture for measuring moment of inertia of	of materials under high pressure
irreqularly shaped body with multiple axes	[NASA-CASE-NPO-11749] c14 N73-28486
[NASA-CASE-XGS-01023] c14 N71-22992	Radio frequency source resistance measuring
Electron beam deflection devices for measuring	instruments of varied design
electric fields	[NASA-CASE-NPO-11291-1] c14 N73-30388
[NASA-CASE-XMF-10289] c14 N71-23699	Absolute pressure measuring device for measuring
Device for measuring two orthogonal components	gas density level in high vacuum range
of force with gallium flotation of measuring	[NASA-CASE-LAR-10000]
target for use in vacuum environments [NASA-CASE-XAC-04885] c14 N71-23790	Three-axis, adjustable loading structure for testing soundness of aircraft skin by applying
Gage for measuring internal angle of flare on	pressure
end of tube	[NASA-CASE-PRC-10051-1] c14 N73-30416
[NASA-CASE-XMF-04415] C14 N71-24693	Thin film analyzer utilizing holographic
Device utilizing RC rate generators for	techniques
continuous slow speed measurement	[NASA-CASE-MFS-20823-1] c16 N73-30476
[NASA-CASE-XMF-02966] c10 N71-24863	MECHANICAL DEVICES
Solid state force measuring electromechanical	Mechanical coordinate converter for use with
transducers made of piezoresistive materials	spacecraft tracking antennas
[NASA-CASE-ERC-10088] c26 N71-25490	[NASA-CASE-XNP-00614] c14 N70-36907
Design and development of layout tool for	Load cell protection device using spring-loaded
machine shop use to locate point in precise	breakaway mechanism
reference to straight or bowed reference edge	[NASA-CASE-XMS-06782] c32 N71-15974
[NASA-CASE-FRC-10005] c15 N71-26145	Design and development of satellite despin device
Volume displacement transducer for leak	[NASA-CASE-XMF-08523] c31 N71-20396
detection in hermetically sealed semiconductor devices	Development of two force component measuring device
[NASA-CASE-ERC-10033] c14 N71-26672	[NASA-CASE-XAC-04886-1]
Deformation measuring apparatus with feedback	Design, development, and characteristics of
control for arbitrarily shaped structures	latching mechanism for operation in limited
[NASA-CASE-LAR-10098]	access areas
Foam insulation thickness measuring and	[NASA-CASE-XMS-03745] c15 N71-21076
injection device for spacecraft applications	Design of mechanical device for stirring several
[NASA-CASE+MFS-20261] c14 N71-27005	test tubes simultaneously
Resonant infrasonic gauging device for measuring	[NASA-CASE-XAC-06956] c15 N71-21177
liquid quantity in closed bladderless reservoir	Design and development of random function tracer
[NASA-CASE-MSC-11847-1] c14 N72-11363	for obtaining coordinates of points on contour
Measuring roll alignment of test body with	maps
respect to reference body	[NASA-CASE-XLA-01401] c15 N71-21179
[NASA-CASE-GSC-10514-1] c14 N72-20379	Design and characteristics of device for closing
Sensor for detecting and measuring energy,	canisters under high vacuum conditions
velocity and direction of travel of a cosmic	[NASA-CASE-XLA-01446] c15 N71-21528
dust particle [NASA-CASE-GSC-10503-1] c14 N72-20381	Development of non-magnetic indexing device for orienting magnetic flux sensing instrument in
Pumping and metering dual piston system and	magnetic field without generation of
monitor for reaction chamber constituents	detrimental magnetic fields
[NASA-CASE-GSC-10218+1] c15 N72+21465	[NASA-CASE-XGS-02422]
Capacitive tank gaging device for monitoring one	Design and development of module joint clamping
constituent of two phase fluid by sensing	device for application to solar array
dielectric constant	construction
[NASA-CASE-MFS-21629] c14 N72-22442	[NASA-CASE-XNP-02341] c15 N71-21531
Development of mechanical device for measuring	Hand controller operable about three
distance of point within sphere from surface	respectively perpendicular axes and capable of

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actuating signal generators for attitude control devices [NASA-CASE-XMS-07487] c15 N71-23255	
	Development of apparatus for automatically
	changing carriage speed of welding machine to
	obtain constant speed of torch along work
Metal allow bearing materials for space	surface
applications	[NASA-CASE-XMF-07069] c15 N71-23815
[NASA-CASE-XLE-05033] c15 N71-23810	Drive system for parabolic tracking antenna with
Mechanical actuator wherein linear motion	reversible motion and minimal backlash
changes to rotational motion	[NASA-CASE-NPO-10173] c15 N71-24696
[NASA-CASE-XGS-04548] c15 N71-24045	Synchronous dc direct-drive system comprising
Design and characteristics of device for showing	multiple-loop hybrid control system
amount of cable payed out from winch and load	controlling load directly connected to actuator
imposed	[NASA-CASE-GSC-10065-1] c10 N71-27136
[NASA-CASE-MSC-12052-1] c15 N71-24599	Energy absorption device in high precision gear
Design and development of release mechanism for	train for protection against damage to
spacecraft components, releasable despin	components caused by stop loads
weights, and extensible gravity booms	[NASA-CASE-XNP-01848] c15 N71-28959
[NASA-CASE-XGS-08718] c15 N71-24600	Automatic controlled drive mechanism for
Apparatus for mechanically dispersing ultrafine	portable boring bar
metal powders subjected to shock waves	[NASA-CASE-XLA-03661] c15 N71-33518
[NASA-CASE-XLE-04946] C17 N71-24911	Two speed drive system for driving vehicle wheel
Self lubricating gears and other mechanical	[NASA-CASE-MFS-20645] c15 N72-20463
parts having surface adapted to frictional	
contact	Wheel with omnidirectional movement provided by
	independent drives for rim elements
	[NASA-CASE-MFS-21309-1] c15 N72-25480
Design and development of layout tool for	Rotary actuator for use in environments with no
machine shop use to locate point in precise	rolling and sliding friction
reference to straight or bowed reference edge	[NASA-CASE-NPO-10244] c15 N72-26371
[NASA-CASE-FRC-100C5] c15 N71-26145	Development and characteristics of rotary
Design and development of linear actuator based	actuator for use on spacecraft to deploy and
on bimetallic spring expansion	support pivotal structures such as solar panels
[NASA-CASE-NPO-10637] c15 N72-12409	[NASA-CASE-NPO-10680] c31 N73-14855
Characteristics of lightweight actuator for	Development and characteristics of concentric
imparting linear motion using elongated output	output differential gearing system
shaft	[NASA-CASE-ARC-10462-1] c15 N73-29459
[NASA-CASE-NPO-11222] c15 N72-25456	MECHANICAL MEASUREMENT
'Development of mechanical device for measuring	Air brake device for absorbing and measuring
distance of point within sphere from surface	power from rotating shafts
of sphere	[NASA-CASE-XLE-00720] c14 N70-40201
[NASA-CASE-XLA-06683] c14 N72-28436	Water cooled gage for strain measurements in
Development of thermal compensating structure	high temperature environments
which maintains uniform length with changes in	[NASA-CASE-XNP-09205] c14 N71-17657
temperature	Development of apparatus for measuring
[NASA-CASE-MFS-20433] c15 N72-28496	successive increments of strain on elastomers
Development of mating flat surfaces to inhibit	[NASA-CASE-XMP-04680] c15 N71-19489
leakage of fluid around shafts [NASA-CASE-XLE-10326-2] c15 N72-29488	Development of Hall effect transducer for
Development of solar energy powered heliotrope	converting mechanical shaft rotations into
assembly to orient solar array toward sun	proportional electrical signals
[NASA-CASE-GSC-10945-1] c21 N72-31637	[NASA-CASE-LAR-10620-1]
Design and construction of mechanical probe for	Development of strain gage mounting assembly for
determining if object is properly secured	amplifying measurable deformation applied to
	strain gage [NASA-CASE-NPO-13170-1]
[NACA_CACE_MPC_20760]	[NASA-CASE-NPO-13170-1] c14 N73-28495
[NASA-CASE-MFS-20760] c14 N72-33377	MPCHANTCAI DDADDDTDC
Development and characteristics of rotary	MECHANICAL PROPERTIES Test apparatus for determining mechanical
Development and characteristics of rotary actuator for use on spacecraft to deploy and	Test apparatus for determining mechanical
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels	Test apparatus for determining mechanical properties of refractory materials at high
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-16680] c31 N73-14855 Automatic inoculating device for agar trays	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] C14 N70-35368 Electric resistance spot welding and brazing for
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS)
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 BECHANICS (PHYSICS) Hovering type flying vehicle design and
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 BECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector, pins	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 BECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039 HEDICAL ELECTRONICS
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039 MEDICAL ELECTRONICS Initial systole and dicrotic notch detecting
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASF-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASF-MSC-12111-1] c02 N71-11039 MEDICAL ELECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising device	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 BECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039 HEDICAL ELECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse [NASA-CASE-LEW-11581-1] c05 N73-18139
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising device [NASA-CASE-MSC-11561-1] c05 N73-32014	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039 MEDICAL ELECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse [NASA-CASE-LEW-11581-1] c05 N73-18139 MEDICAL EQUIPMENT
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising device [NASA-CASE-MSC-11561-1] c05 N73-32014 Mechanical exposure interlock device for	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASF-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASF-MSC-12111-1] c02 N71-11039 MEDICAL BLECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse [NASA-CASE-LEW-11581-1] c05 N73-18139 MEDICAL BQUIPMENT Electromedical garment, applying
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising device [NASA-CASE-MSC-11561-1] c05 N73-32014	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASE-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASE-MSC-12111-1] c02 N71-11039 MEDICAL ELECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse [NASA-CASE-LEW-11581-1] c05 N73-18139 MEDICAL EQUIPMENT Electromedical garment, applying vectorcardiologic type electrodes to human
Development and characteristics of rotary actuator for use on spacecraft to deploy and support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-14855 Automatic inoculating device for agar trays using cotton swab or loop [NASA-CASE-LAR-11074-1] c05 N73-16096 Collapsible support for antenna reflector applied to installation of spacecraft antennas [NASA-CASE-NPO-11751] c07 N73-24176 Development of mechanical linkage for lifting pin-supported electronic packages from electronic circuit boards without damage to connector pins [NASA-CASE-NPO-13157-1] c15 N73-26475 Pneumatic foot pedal operated fluidic exercising device [NASA-CASE-MSC-11561-1] c05 N73-32014 Mechanical exposure interlock device for preventing film overexposure in oscilloscope	Test apparatus for determining mechanical properties of refractory materials at high temperatures in vacuum or inert atmospheres [NASA-CASF-XLE-00335] c14 N70-35368 Electric resistance spot welding and brazing for producing metal bonds with superior mechanical and structural characteristics [NASA-CASE-LAR-11072-1] c15 N73-20535 MECHANICS (PHYSICS) Hovering type flying vehicle design and principle mechanisms for manned or unmanned use [NASA-CASF-MSC-12111-1] c02 N71-11039 MEDICAL BLECTRONICS Initial systole and dicrotic notch detecting circuitry for monitoring arterial pressure pulse [NASA-CASE-LEW-11581-1] c05 N73-18139 MEDICAL BQUIPMENT Electromedical garment, applying
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expansion in electrochemical cells	aluminum with metal phosphate surface coatings
[NASA-CASE-XGS-03865] c14 N69-21363 Separation cell with permeable membranes for	to improve chemical bonding and reduce coating
fluid mixture component separation	weight [NASA-CASE-XLA-01995] c18 N71-23047
[NASA-CASE-XMS-02952] c18 N71-20742	Organometallic compounds of niobium and tantalum
Water insoluble, cationic permselective membrane	useful for film deposition
[NASA-CASE-NPO-11091] c18 N72-22567	[NASA-CASE-XNP-04023] c06 N71-28808 Silicide coating process and composition for
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Interrupter switching device utilizing	[NASA-CASE-LEW-10965-1] c15 N72-25452
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[NASA-CASE-XNP-02251] c12 N71-20896	specimen carriage [NASA-CASE-MFS-20730] c14 N72-11372
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Describing metal valve pintle with encapsulated	coated with thin film of aluminum-iron-silicon
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[NASA-CASE-MSC-12116-1] c15 N71-17648 Apparatus for determining quality of bond	[NASA-CASE-GSC-10097-1] c08 N71-27210 Development of method for applying metal alloy
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[NASA-CASE-MPS-13686] c15 N71-18132 Metal soldering with hydrazine monoperfluoro	Thin absorbing metallic film for increased visible light transmission
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[NASA-CASE-XGS-03120] c15 N71-24047 Refractory porcelain enamel passive thermal	[NASA-CASE-XLE-00209] c22 N73-32528 HETAL POWDER
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[NASA-CASE-MFS-22324-1] c18 N73-21471	porosity by pressing and heating mixtures of
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[NASA-CASE-XLA-01291] c33 N70-36617	Apparatus for mechanically dispersing ultrafine
Development and characteristics of thermal radiation shielding of refractory metal foil	metal powders subjected to shock waves
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[NASA-CASE-XLF-03432] c33 N71-24145	heating copper hydroxyfluoride powder and
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[NASA-CASE-XGS-02441] c15 N70-41629 HETAL HATRIX COMPOSITES	Pressurized heat treatment of formed superalloy powder products
High strength reinforced metallic composites for	[NASA-CASE-LEW-10805-3] c17 N72-28542
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Radio frequency noise generator having microwave	thermal expansion supporting screws and
slow-wave structure in gas discharge plasma	spring-biased plates
[NASA-CASE-XER-11019] c09 N71-23598	[NASA-CASE-XNP-08907] c23 N71-29123
Method and apparatus for optically modulating	Optical range finder using reflective first
light or microwave beam	surfaces mirror and transmitting beam splitter
[NASA-CASE-GSC-10216-1] c23 N71-26722	[NASA-CASE-MSC-12105-1] c14 N72-21409
Microwave wavequide mixer	
[NASA-CASE-ERC-10179] c07 N72-20141	Optical mirror support system [NASA-CASE-XER-07896-2] c23 N72-22673
Remote sensing equipment to ensure efficiency in	Development of strain gage ambiguity sensor for
microwave electric power transmission to	measuring alignment of optical mirror segments
remote receiving stations	[NASA-CASE-MFS-20506-1] c14 N73-17563
[NASA-CASE-MFS-21470-1] c10 N73-20257	MIS (SEMICONDUCTORS)
MIDAIR COLLISIONS	Thin film metal-insulator-metal photovoltaic
Economical satellite aided vehicle avoidance	light detector with trapezoidal barrier
system for preventing midair collisions	[NASA-CASE-NPO-11432-2] c14 N72-28442
[NASA-CASE-ERC-10419] c21 N72-21631	MISSILE CONTROL
Development and characteristics of electronic	Turnstile slot antenna system for spacecraft or
signalling system and data processing	missile telemetry and command control
equipment for warning systems to avoid midair collisions between aircraft	[NASA-CASE-GSC-11428-1] c09 N73-11206
[NASA-CASE-LAR-10717-1]	MISSILE LAUNCHERS
MILLIMETER WAVES	Launch pad missile release system with bending moment change rate reduction in thrust.
Millimeter wave antenna system for spacecraft use	distribution structure at liftoff
[NASA-CASE-GSC-10949-1] c07 N71-28965	[NASA-CASE-XMF-03198] c30 N70-40353
MILLING (MACHINING)	Optical monitor panel consisting of translucent
Rotary spindle lathe attachments for machining	screen with test or meter information
geometrical cones	projected onto it from rear for application in
[NASA-CASE-XMS-04292] c15 N71-22722	control rooms of missile launching and
MILLING MACHINES	tracking stations
Electro-optical system for maintaining two-axis	[NASA-CASE-XKS-03509] c14 N71-23175
alignment during milling operations on large	Controlled release device for use in launching
tank-sections	rockets or missiles
[NASA-CASE-XMF-00908] c14 N70-40238	[NASA-CASE-XKS-03338] c15 N71-24043
Description of portable milling tool for milling	MIXING CIRCUITS
tube or pipe ends to desired shape and thickness	Varactor microwave frequency mixing circuit
[NASA-CASE-XMF-03511] c15 N71-22799	[NASA-CASE-XGS-02171] c09 N69-24324
Tool positioning holder for grinding by ball	Microwave wavequide mixer
nose milling cutter	[NASA-CASE-ERC-10179] c07 N72-20141
[NASA-CASE-LAR-10450-1] c15 N73-10504	HODE TRANSFORMERS
MINIATURE ELECTRONIC EQUIPMENT	Silicon controlled rectifier inverter with
Miniature solid state, direction sensitive,	compensation of transients to avoid false gating
stress transducer design with bonded	[NASA-CASE-XLA-08507] c09 N69-39984
semiconductive piezoresistive element for sensing residual stresses	
Sensing residual Stresses	Dual waveguide mode source for controlling
	amplitudes of two modes
[NASA-CASE-XNP-02983] c14 N71-21091	amplitudes of two modes [NASA-CASE-XNP-03134] c07 N71-10676
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial	amplitudes of two modes [NASA-CASE-XNP-03134] c07 N71-10676 BODULATION
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections	amplitudes of two modes (NASA-CASE-XNP-03134) C07 N71-10676 MODULATION Carrier-type transducer with carrier modulation
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized	amplitudes of two modes [NASA-CASE-XNP-03134] C07 N71-10676 MODULATION Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] C09 N72-21254
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized catheter transducer	amplitudes of two modes [NASA-CASE-XNP-03134] C07 N71-10676 HODULATION Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] C09 N72-21254 HODULATORS
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized catheter transducer [NASA-CASE-ARC-10132-1] c09 N71-24597	amplitudes of two modes [NASA-CASE-XNP-03134] C07 N71-10676 MODULATION Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] C09 N72-21254 MODULATORS Fabry-Perot interferometer retrodirective
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized catheter transducer [NASA-CASE-ARC-10132-1] c09 N71-24597 Solid state television camera system consisting	amplitudes of two modes (NASA-CASE-XNP-03134) C07 N71-10676 MODULATION Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] C09 N72-21254 MODULATORS Fabry-Perot interferometer retrodirective reflector modulator for optical communication
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[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized catheter transducer [NASA-CASE-ARC-10132-1] c09 N71-24597 Solid state television camera system consisting of monolithic semiconductor mosaic sensor and molecular digital readout systems [NASA-CASE-XMF-06092] c07 N71-24612	amplitudes of two modes [NASA-CASE-XNP-03134] C07 N71-10676 MODULATION Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] C09 N72-21254 MODULATORS Fabry-Perot interferometer retrodirective reflector modulator for optical communication [NASA-CASE-XGS-04480] c16 N69-27491 Optical retrodirective modulator with focus
[NASA-CASE-XNP-02983] c14 N71-21091 Transducer circuit design with single coaxial cable for input and output connections including incorporation into miniaturized catheter transducer [NASA-CASE-ARC-10132-1] c09 N71-24597 Solid state television camera system consisting of monolithic semiconductor mosaic sensor and molecular digital readout systems [NASA-CASE-XMF-06092] Ingestible miniaturized telemetry device for	amplitudes of two modes [NASA-CASE-XNP-03134]
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Compressible elastomeric material with predetermined modulus of elasticity and	Method for producing refractory molybdenum disilicides
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[NASA-CASE-NPO-10853] c18 N70-34685	MOMENTS OF INERTIA
Gas purged dry box glove reducing permeation of	Test fixture for measuring moment of inertia of irregularly shaped body with multiple axes
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device at remote control station	[NASA-CASE-XMF-01543] c31 N71-17730 Separation mechanism for use between stages of
[NASA-CASE-MSC-14180-1] c05 N73-22045 Improved phase lock loop for receiver in	multistage rocket vehicles
multichannel telemetry system with suppressed	[NASA-CASE-XLA-00188] c15 N71-22874
carrier	Development of remotely controlled shaped charge
[NASA-CASE-NPO-11593-1] c07 N73-28012 BULTILAYER INSULATION	for lateral displacement of rocket stages after separation
Electrode sealing and insulation for fuel cells	[NASA-CASE-XLA-04804] c31 N71-23008
containing caustic liquid electrolytes using	Frangible connecting link suitable for rocket
powdered plastic and metal [NASA-CASE-XMS-01625] c15 N71-23022	stage separation [NASA-CASE-MSC-11849-1] c15 N72-22488
Multilayer insulation panels for cryogenic	MULTIVIBRATORS
liquid containers	Extra-long monostable multivibrator employing
[NASA-CASE-MFS-14023] c33 N71-25351 Electrical failure detector in solid rocket	<pre>bistable semiconductor switch to allow charging of timing circuit</pre>
propellant motor insulation against thermal	[NASA-CASE-XGS-00381] C09 N70-34819
degradation by fuel grain	Variable frequency magnetic coupled
[NASA-CASE-XMF-03968] c14 N71-27186 Procedure for making insulating foil for use in	<pre>multivibrator with temperature compensated frequency control circuit</pre>
multilayer insulating system	[NASA-CASE-XGS-0C458] c09 N70-38604
[NASA-CASE-LEW-11484-1] c15 N73-22415	Variable frequency magnetic coupled
	multivibrator with output signal of constant

SUBJECT INDEX NOISE REDUCTION

amplitude and waveform	[NASA-CASE-LEW-11267-1] c17 N73-32414
[NASA-CASE-XGS-00131] c09 N70-38995 Improved semiconductor multivibrator circuit	NICKEL COMPOUNDS
which approaches 100 percent efficiency	Including didymium hydrate in nickel hydroxide of positive electrode of storage batteries to
[NASA-CASE-XAC-C0942] c10 N71-16042	increase ampere hour capacity
Transistorized dc-coupled multivibrator with	[NASA-CASE-XGS-03505] c03 N71-10608
noninverted output signal [NASA-CASE-XNP-09450] c10 N71-18723	NICKEL PLATE Nickel plating onto etched aluminum castings
One shot multivibrator circuit for producing	[NASA-CASE-XNP-04148] c17 N71-24830
long duration output pulses	NIOBIUM
[NASA-CASE-ARC-10137-1] c09 N71-28468 HUSCULOSKELETAL SYSTEM	Organometallic compounds of niobium and tantalum useful for film deposition
Method and apparatus for applying compressional	[NASA-CASE-XNP-04023] c06 N71-28808
forces to skeletal structure of subject to	NITRIC ACID
simulate force during ambulatory conditions [NASA-CASE-ARC-10100-1] c05 N71-24738	Maximum density fuming nitric acid used as sterilizable oxidizer in bipropellants
(man case and to to ty	[NASA-CASE-NPO-10687] c27 N69-33347
N	NITRILES
NACELLES	Intumescent paint containing nitrile rubber for fire protection
Deflector for preventing objects from entering	[NASA-CASE-ARC-10196-1] c18 N73-13562
nacelle inlets of jet aircraft	NITROAMINES
[NASA-CASE-XLE-00388] c28 N7C-34788 Afterburner-equipped jet engine nacelle with	Nitroaniline sulfate, intumescent paints [NASA-CASE-ARC-10099-1] c18 N71-15469
slotted configuration afterbody	[NASA-CASE-ARC-10099-1] c18 N71-15469 Mercaptan terminated polymer containing sulfonic
[NASA-CASE-XLA-10450] c28 N71-21493	acid salts of nitrosubstituted aromatic amines
NAVIGATION SATELLITES Satellite aided aircraft collision avoidance	for heat and moisture resistant coatings [NASA-CASE-ARC-10325] c06 N72-25147
system effective for large number of aircraft	[NASA-CASE-ARC-10325] c06 N72-25147 NITROGEN TETROXIDE
[NASA-CASE-ERC-10090] c21 N71-24948	Gas chromatographic method for determining water
NEAR INFRARED RADIATION Collimator for analyzing spatial location of	in nitrogen tetroxide rocket propellant [NASA-CASE-NPO-10234] c06 N72-17094
near and distant sources of radiation	NITROGUANIDINE
[NASA-CASE-MFS-20546-2] c14 N73-30389	Solid propellant stabilizer containing
NEGATIVE FEEDBACK Complementary regenerative transistorized switch	nitroquanidine [NASA-CASE-NPO-12000] c27 N72-25699
circuit employing positive and negative feedback	HOBLE METALS
[NASA-CASE-XGS-02751] c09 N71-23015	Development and characteristics of device for
NBODYMIUM Overlapping beams of neodymium laser for	applying multiple layers of noble metal to glass substrate for protection of optical
detecting picosecond light pulses	surfaces
[NASA-CASE-ERC-10227] c14 N70-12626 NETWORK SYNTHESIS	[NASA-CASE-LAR-10362-1] c15 N72-27486
Left and right hand circular electromagnetic	NOISE METERS Jet aircraft noise and sonic boom measuring
polarization excitation by phase shifter and	device which converts sound pressure into
hybrid networks [NASA-CASE-GSC-10021-1]	electric current [NASA-CASE-LAR-11173-1] c14 N73-22387
High speed phase detector design indicating	NOISE REDUCTION
phase relationship between two square wave input signals	Upper surface, external flow, jet-augmented flap
[NASA-CASE-XNP-01306-2] c09 N71-24596	configuration for high wing jet aircraft for noise reduction
NEUTRONS	[NASA-CASE-XLA-00087] c02 N70-33332
Focusing optical collimator for high resolution scanning of electromagnetic radiations,	Cassegrain antenna subreflector flange for suppressing ground noise and increasing
neutrons, and other particles	antenna transmitting efficiency
[NASA-CASE-MPS-20932-1] c14 N73-27380 NICKEL	[NASA-CASE-XNP-00683] c09 N70-35425
Process for producing dispersion strengthened	Device for adding water to high velocity exhaust jets to reduce velocity, noise, and temperature
nickel with aluminum comprising metallic	[NASA-CASE-XMF-01813] c28 N70-41582
matrices embedded with oxides or other hyperfine compounds	Variable time constant, wide frequency range
[NASA-CASE-XLE-06969] c17 N71-24142	<pre>smoothing network for noise removal from pulse chains</pre>
Selective nickel deposition on irradiation	[NASA-CASE-XGS-01983] c10 N70-41964
sensitive compounds [NASA-CASE-LEW-10965-1] c15 N72-25452	Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during
NICKEL ALLOYS	playback
Preparation of nickel alloys for jet turbine blades operating at high temperatures	[NASA-CASE-XGS-01812] c07 N71-23001
[NASA-CASE-XLE-00151] c17 N70-33283	Audio signal processing system for noise surge elimination at low amplitude audio input
Nickel alloy series for aerospace structures	[NASA-CASE-MSC-12223-1] c07 N71-26181
subjected to high temperatures [NASA-CASE-XLE-00283] c17 N70-36616	Variable frequency nuclear magnetic resonance spectrometer providing drive signals over wide
Nickel base alloy with resistance to oxidation	frequency range and minimizing noise effects
at high temperatures and superior stress-rupture properties	[NASA-CASE-XNP-09830] c14 N71-26266
[NASA-CASE-XLE-02082] c17 N71-16026	Noise elimination in coherent imaging system by axial rotation of optical lense for spectral
High strength nickel based alloys	distribution of degrading affects
[NASA-CASE-LEW-10874-1] c17 N72-22535 Procedure for fabricating element with cavity	[NASA-CASE-GSC-11133-1] c23 N72-11568
closed by thin wall with precisely shaped slit	Transonic propulsion fan for turbofan engine with rotor blade spacing designed to minimize
[NASA-CASE-LAR-10409-1] c15 N73-20526	noise emission
NICKEL CADMIUM BATTERIES Calorimeter for measuring thermal output of	[NASA-CASE-LEW-11402-1] c28 N72-20770 Method of eliminating noise and debris of
nickel cadmium batteries	explosive welding techniques
[NASA-CASE-GSC-11434-1] c14 N72-27430 HICKEL COATINGS	[NASA-CASE-LAR-10941-1] c15 N72-33478
Intermetallic chromium containing nickel	Audio equipment for removing impulse noise from audio signals
aluminide for high temperature corrosion	[NASA-CASE-NPO-11631] c10 N73-12244
protection of stainless steels	

BOISE TEMPERATURE SUBJECT INDEX

Exhaust nozzle for reducing noise in gas	Describing continuous analog to digital
turbines by mixing low velocity air with high	converter with parallel digital output and
velocity engine exhaust	nonlinear feedback
[NASA-CASE-LEW-11569-1] c28 N73-14792	[NASA-CASE-XAC-04031] c08 N71-18594
Jet aircraft exhaust nozzle for noise reduction	Split range transducer
[NASA-CASE-LAR-10951-1] c28 N73-19819	[NASA-CASE-XLA-11189] c10 N72-20222
Reduction of jet engine noise due to turbulent	NOSE CONES
mixing of exhaust gases with ambient atmosphere	Automatically deploying nozzle exit cone extension
[NASA-CASE-ARC-10712-1] c28 N73-20826	[NASA-CASE-XLE-01640] c31 N71-15637
Shrouded divergent body attached to exhaust	Nose cone mounted heat resistant antenna
nozzle for jet noise suppression	comprising plurality of adjacent layers of
	silica not introducing paths of high thermal
Development of annular acoustically porous	conductivity through ablative shield
elements for installation in exhaust and inlet	[NASA-CASE-XMS-04312] c07 N71-22984
ducts of turbofan engine to reduce aircraft	NOSE WHEELS
engine noise intensity	Nose gear steering system for vehicles with main
[NASA-CASE-LAR-11141-1] c02 N73-22975	skids to provide directional stability after
Development of aircraft configuration for	loss of aerodynamic control
reduction of jet aircraft noise by exhausting	[NASA-CASE-XLA-01804] CO2 N70-34160
engine gases over upper surface of wing	NOTCH TESTS
[NASA-CASE-LAR-11087-1] CO2 N73-26008	Notch cutting device with adjustable test
Method and apparatus for improving operating .	specimen carriage
efficiency and reducing low speed noise for	[NASA-CASE-MFS-20730] c14 N72-11372
turbine aircraft engines	NOZZLE DESIGN
[NASA-CASE-LAR-11310-1] c28 N73-31699	High thrust annular liquid propellant rocket
Method for eliminating noise and debris of	engine and exhaust nozzle design
explosive welding techniques by using complete	[NASA-CASE-XLE-00078] c28 N70-33284
enclosure	Penshaped, supersonic exhaust nozzle design
[NASA-CASE-LAR-10941-2] c15 N73-32371	[NASA-CASE-XLE-00057] c28 N70-38711
NOISE TEMPERATURE	Telescoping-spike supersonic nozzle for turbojet
Input radio frequency circuit for switching type	or ramjet engines
absolute temperature measuring radiometer for	[NASA-CASE-XLE-00005] C28 N70-39899
noise sources	Automatically deploying nozzle exit cone extension
[NASA-CASE-ERC-11020] c14 N71-26774	[NASA-CASE-XLE-01640] c31 N71-15637
HOISE THRESHOLD	Propellant injection assembly having
Threshold extension device for improving	individually removable and replaceable nozzles
	for liquid fueled rocket engines
operating performance of frequency modulation	[NASA-CASE-XMF-00968] C28 N71-15660
demodulators by eliminating click-type noise	
impulses	Development of collapsible nozzle extension for
[NASA-CASE-MSC-12165-1] c07 N71-33696	rocket engines
NONDESTRUCTIVE TESTS	[NASA-CASE-MFS-11497]
Nondestructive radiographic tests of resistance	Design and development of qas turbine combustion
Welds	unit with nozzle quide vanes for introducing
[NASA-CASE-XNP-02588] c15 N71-18613	diluent air into combustion gases
Space environment simulator for testing	[NASA-CASE-XLE-103477-1]
spacecraft components under aerospace conditions	Prestressed rocket nozzle with ceramic inner
[NASA-CASE-NPO-10141] c11 N71-24964	rings and refractory metal outer rings
Apparatus for semiautomatic inspection of	[NASA-CASE-XNP-02888] C18 N71-21068
microfilmed documents for density, resolution,	Scanning nozzle plating system for etching or
size, and position	plating metals on substrates without masking
[NASA-CASE-MFS-20240] c14 N71-26788	[NASA-CASE-NPO-11758-1] c15 N72-28507
Dye penetrant and technique for nondestructive	NOZZLE PLOW
tests of solid surfaces contacted by liquid	System for aerodynamic control of rocket
oxygen	vehicles by secondary injection of fluid into
[NASA-CASE-XMF-02221] c18 N71-27170	nozzle exhaust stream
Method and photodetector device for locating	[NASA-CASE-XLA-01163] c21 N71-15582
abnormal voids in low density materials	Constructing fluid spike nozzle to eliminate
[NASA-CASE-MFS-20044] c14 N71-28993	heat transfer and high temperature problems
Holographic system for nondestructive testing	inherent in physical spikes
[NASA-CASE-MFS-21704-1] c16 N73-30478	[NASA-CASE-XGS-01143] c31 N71-15647
NONEQUILIBRIUM PLASMAS	Electronic recording system for spatial mass
Plasma probes having quard ring and primary	distribution of liquid rocket propellant
sensor at same potential to prevent stray wall	droplets or vapors ejected from high velocity
current collection in ionized gases	nozzles
[NASA-CASE-XLE-00690] c25 N69-39884	[NASA-CASE-NPO-10185] c10 N71-26339
NONFLAMMABLE MATERIALS	Tertiary flow injection system for thrust
Nonflammable coatings of synthetic mica and	vectoring of propulsive nozzle flow
silicate gelant solution mixed with latex	[NASA-CASE-MFS-20831] c28 N71-29153
paint for use in liquid oxygen or high oxygen	NOZZLE INSERTS
qaseous atmospheres	Flexible rocket motor nozzle closure device to
[NASA-CASE-MFS-20486] c18 N72-21557	aid ignition and protect rocket chamber from
Intumescent paint containing nitrile rubber for	foreign objects
fire protection	[NASA-CASE-XLA-02651] c28 N70-41967
[NASA-CASE-ARC-10196-1] c18 N73-13562	NUCLEAR AUXILIARY POWER UNITS
Process for developing flame retardant	Control circuit for nuclear thermionic converter
elastomeric composition textiles for use in	power source for spacecraft
space suits	[NASA-CASE-NPO-13114-1] c22 N73-13656
[NASA-CASE-MSC-14331-1] c18 N73-27501	NUCLEAR ELECTRIC POWER GENERATION
NONLINBAR FREDBACK	Nuclear electric generator for accelerating
Design of nonlinear coherence receiver with	charged propellant particles in electrostatic
feedback signal selection for carrier tracking	propulsion system
in telecommunications	[NASA-CASE-XLE-00818] c22 N70-34248
[NASA-CASE-NPO-11921-1] c07 N73-23118	NUCLEAR EXPLOSION EFFECT
NONLINEAR SYSTEMS	Development of method for protecting large and
Detector assembly for discriminating first	oddly shaped areas from radiant and convective
signal with respect to presence or absence of	heat
second signal at time of occurrence of first	heat [NASA-CASE-XNP-01310] c33 N71-28852
second signal at time of occurrence of first signal	heat [NASA-CASE-XNP-01310] c33 N71-28852 NUCLEAR FUEL BURNUP
second signal at time of occurrence of first signal [NASA-CASE-XMF-00701] c09 N70-40272	heat [NASA-CASE-XNP-01310] c33 N71-28852

in muclean reactors		in moving gases for gas flow visualiz	zation
in nuclear reactors [NASA-CASE-NPO-13121-1]	c22 N73-12702		2 N71-20815
NUCLEAR FUEL ELEMENTS		Cross linked polymer system for oil or	fat
Tungsten-coated tungsten-uranium	dioxide nuclear	absorption properties	6 N72-22114
fuel plates [NASA-CASE-XLE-00209]	c22 N73-32528	[NASA-CASE-NPO-11609-1] c06) 8/2-22114
NUCLEAR FUELS	CIL 11.3 32320	Microwave ominidirectional antenna for	use on
Two step process for cladding nuc	lear fuels with	spacecraft	
tungsten	c15 N71-17695	[NASA-CASE-XLA-03114] c09 Vertically stacked collinear array of	9 N71-22888
[NASA-CASE-XNP-03704] HUCLEAR PUSION	C13 M/1-1/093	independently fed omnidirectional ant	tennas for
Converging coaxial plasma accelera	ator for	use in collision warning systems on o	
generating dense high velocity	plasma bursts	aircraft	
[NASA-CASE-ARC-10109] NUCLEAR MAGNETIC RESONANCE	c25 N71-29181	[NASA-CASE-LAR-10545-1] c09 Omnidirectional antenna array with	9 N72-21244
Variable frequency nuclear magnet	ic resonance	circumferential slots for mounting or	a
spectrometer providing drive si	gnals over wide	cylindrical space vehicle	
frequency range and minimizing	noise effects c14 N71-26266	[NASA-CASE-LAR-10163-1] COS	9 N72-25247
[NASA-CASE-XNP-09830] NUCLEAR POWER PLANTS	C14 N/1-20200	Survival couch for aircraft or spacecra	aft crews
Development and characteristics of		[NASA-CASE-XLA-00118] c05	5 N70-33285
circulation radiator for use wi		Cryogenic storage system for gases onbo	oard
power plants installed in lunar [NASA-CASE-XHQ-03673]	space stations c33 N71-29046	spacecraft [NASA-CASE-XMS-04390] c3	1 N70-41871
NUCLEAR REACTOR CONTROL	C33 M/1 23040	Fiber optic transducers for monitoring	
Absorbing gas reactivity control	system for	analysis of vibration in aerospace ve	ehicles
minimizing power distribution a	nd perturbation	and onboard equipment [NASA-CASE-XMF-02433] c1	4 N71-10616
in nuclear reactors [NASA-CASE-XLE-04599]	. c22 N72-20597	Design and construction of satellite ap	
NUCLEAR REACTORS		tie-down cord	
Low cost efficient thermionic con	verter for use		1 N71-21064
in nuclear reactors [NASA-CASE-NPO-13121-1]	c22 N73-12702	Satellite aided aircraft collision avoi system effective for large number of	
NUCLEAR ROCKET ENGINES	CLE N/3 TE/VE		1 N71-24948
Nuclear gaseous reactor for heati	ng working	Closed loop servosystem for variable s	peed tape
fluid to high temperatures	c22 N70-34572	recorders onboard spacecraft [NASA-CASE-NPO-10700] c0	7 N71-33613
[NASA-CASE-XLE-00321] NUCLEATE BOILING	C22 N/U-343/2	Collapsible couch system for manned spa	
Method for improving heat transfe		[NASA-CASE-MSC-13140] c05	5 N72-11085
characteristics in nucleate boi		Monostable multivibrator for conserving	q power in
[NASA-CASE-XMS-04268]	c33 N71-16277	spacecraft systems [NASA-CASE-GSC-10082-1] c10	0 N72-20221
Manual control mechanism for adju	sting control	Portable device for dispensing potable	
rod to null position		crew members aboard operating spacecr	
[NASA-CASE-XLA-01808]	c15 N71-20740	[NASA-CASE-MFS-21163-1] c0! Manual actuator for exercise machine or	5 N72-28098
NUMBRICAL CONTROL Digital sensor for counting fring	es produced by	spacecraft	LDOGLA
interferometers with improved s	ensiti v ity and		5 N73-15503
one photomultiplier tube to eli	minate	Delayed simultaneous appendage release	
alignment problem [NASA-CASE-LAR-10204]	c14 N71-27215	for use on spacecraft equipped with of mechanisms and releasable components	
NUMERICAL INTEGRATION	• • • • • • • • • • • • • • • • • • • •	[NASA-CASE-GSC-10814-1] c0:	3 N73-20039
Apparatus for computing square ro	ots	Electronic strain level counter on in-	flight
[NASA-CASE-XGS-04768] Binary concatenated coding system	c08 N71-19437	aircraft [NASA-CASE-LAR-10756-1] c3	2 N73-26910
count, and record numerical inf		OPHTHALMOLOGY	
minimized number of digits		Ultrasonic device for ophthalmic eye s	
[NASA-CASE-MSC-14082-1]	c08 N73-16163	with safe removal of macerated mater: ,[NASA-CASE-LEW-11669-1] c0	1a1 5 N73-27062
Flexible turnstile antenna system	for reducing	OPTICAL COMMUNICATION	
nutation in spin-oriented satel	lites	Fabry-Perot interferometer retrodirect:	
[NASA-CASE-XMF-00442] Nutation damper for use on spinni	c31 N71-10747	reflector modulator for optical commu { NASA-CASE-XGS-04+8C } c1	unication 6 N69-27491
[NASA-CASE-GSC-11205-1]	c15 N73-25513	Specifications and drawings for semipar	
NUTS (FASTENERS)		optical communication system	
Contamination free separation nut		[NASA-CASE-XLA-01090] c0' Optical communication system with gas:	7 N71-12389
combustion products from ambien generated by squib firing	it Sulloundings	wavequide for laser beam transmission	
[NASA-CASE-XGS-01971]	c15 N71-15922	[NASA-CASE-HQN-10541-4] C1	6 N71-27183
Split nut and bolt separation dev		Development and characteristics of opt	
[NASA-CASE-XNP-06914] Device for securing together stru	c15 N71-21489	communications system based on modulations in the communications of the communications o	ation or
with axially stretched bolt and			6 N71-28963
[NASA-CASE-GSC-11149-1]	c15 N73-30457	High resolution radar transmitting sys	
		transmitting optical pulses to targe [NASA-CASE-NPO-11426] c0	ts 7 N73-26119
O		OPTICAL COUPLING	7 1173 20113
O RING SEALS		Radiometer quadrature control and meas	
High pressure four-way valve with	O ring adapted	system using optical coupling circui [NASA-CASZ-MFS-21660-1] c1	try 4 N73-13434
to pass across inlet port [NASA-CASE-XNP-00214]	c15 N7u-36908	OPTICAL DATA PROCESSING	4 11/3 13434
CHMBTERS		Optical data processing system using	
Development of electrical system		paraboloidal reflecting surfaces	3 N73-30666
optimum contact between electro surface to permit improved sold		[NASA-CASE-GSC-11296-1] c2. Optical data and image display recorder	
[NASA-CASE-KSC-10242]	c15 N72-23497	[NASA-CASE-GSC-11553-1] CO	7 N73-31089
OILS		OPTICAL EMISSION SPECTROSCOPY	wal raccarat
Color photointerpretation of inte reflected from thin film oil-co		Maksutov spectrograph for low light le [NASA-CASE-XLA-10402] c1	vel research 4 N71-29041
TOTTOGGG THOM CHAM TITM OTI-OF			

OPTICAL EQUIPMENT	Family of physical correction filters for
Optical system for increasing light beam	improving optical quality of image
intensity within solar simulators	[NASA-CASE-HQN-10542-1] c23 N72-21663
[NASA-CASE-NPO-11096] c11 N70-25959	OPTICAL HETERODYNING
Detection instrument for light emitted from ATP	Computerized optical system for producing
biochemical reaction	multiple images of a scene simultaneously
[NASA-CASE-XGS-05534] c23 N71-16355	[NASA-CASE-MSC-12404-1] c23 N73-13661
Optical characteristics measuring apparatus	OPTICAL MEASUREMENT
[NASA-CASE-XNP-08840] c23 N71-16365	Passive optical wind and turbulence remote
Combined optical attitude and altitude	detection system
indicating instrument for use in aircraft or	[NASA-CASE-XMF-14032] c20 N71-16340
spacecraft [NASA-CASE-XLA-01907] c14 N71-23268	Ellipsoidal mirror reflector for measuring
[NASA-CASE-XLA-01907] c14 N71-23268 Design and development of optical interferometer	reflectance
with laser light source for application to	[NASA-CASE-XGS-05291] c23 N71-16341 Development and characteristics of single
schlieren systems	reflector interference spectrometer and
[NASA-CASE-XLA-04295] c16 N71-24170	associated drive system
Highly stable optical mirror assembly optimizing	[NASA-CASE-NPO-11932-1] c14 N73-29438
image quality of light diffraction patterns	OPTICAL MEASURING INSTRUMENTS
[NASA-CASE-ERC-10001] c23 N71-24868	Design and development of optically pumped
Optical device containing rotatable prism and	resonance magnetometer for determining
reflecting mirror for generating precise angles	vectoral components in spatial coordinate system
[NASA-CASE-XGS-04173] c19 N71-26674	[NASA-CASE-XGS-04879] c14 N71-20428
Development and characteristics of Petzval type	Optical gauging system for monitoring machine
objective including field shaping lens for	tool alignment
focusing light of specified wavelength band on	[NASA-CASE-XAC-09489-1] c15 N71-26673
curved photoreceptor	Optical system for selecting particular
[NASA-CASE-GSC-10700]	wavelength light beams from multiple
Optical vision testing unit for testing eyes and	wavelength light source
visual system of human subject [NASA-CASE-MSC-13601-1]	[NASA-CASE-ERC-10248] c14 N72-17323
[NASA-CASE-MSC-13601-1] C05 N72-11088 Slotted fine-adjustment support for optical	Optical sensing of supersonic flows by
devices	correlating deflections in laser beams through flow
[NASA-CASE-MFS-20249] c15 N72-11386	[NASA-CASE-MFS-20642] c14 N72-21407
Development of process for constructing	OPTICAL PROPERTIES
protective covers for solar cells	Remote-reading torguemeter for use where high
[NASA-CASE-GSC-11514-1] CO3 N72-24037	horsepowers are transmitted at high rotative
Development of light sensing system for	speeds
controlled orientation of object relative to	[NASA-CASE-XLE-00503] c14 N70-34818
sun or other light source	Quasi-optical microwave circuit with dielectric
[NASA-CASE-NPO-11311] c14 N72-25414	body for use with oversize wavequides
Development and characteristics of device for	[NASA-CASE-ERC-10011] c07 N71-29065
applying multiple layers of noble metal to qlass substrate for protection of optical	Development of light sensing system for
surfaces	<pre>controlled orientation of object relative to sun or other light source</pre>
[NASA-CASE-LAR-10362-1] c15 N72-27486	[NASA-CASE-NPO-11311] c14 N72-25414
Optical system for monitoring angular position	Design and development of light sensing device
of rotating mirror	for controlling orientation of object relative
[NASA-CASE-GSC-11353-1] c23 N72-27736	to sun or other light source
Borescope with adjustable hinged telescoping	[NASA-CASE-NPO-11201] c14 N72-27409
optical system	Device and method for determining X ray
[NASA-CASE-MFS-15162] c14 N72-32452	reflection efficiency, scattering properties,
Development and characteristics of cyclically	and surface finish of optical surfaces
operable, optical shutter for use as focal	[NASA-CASE-MFS-20243] c23 N73-13662
plane shutter for transmitting single radiation pulses	OPTICAL PUMPING
[NASA-CASE-NPO-10758] c14 N73-14427	Xenon flashlamp driver system for optical laser pumping
Development of strain gage ambiguity sensor for	[NASA-CASE-ERC-10283] c16 N72-25485
measuring alignment of optical mirror segments	Development of laser head for simultaneous
[NASA-CASE-MFS-20506-1] c14 N73-17563	optical pumping of several dye lasers
Method for producing reticles for use in outer	[NASA-CASE-LAR-11341-1] c16 N73-25564
space	OPTICAL PYROMETERS
[NASA-CASE-GSC-11188-2] c21 N73-19630	Filter arrangement for controlling light
Method and equipment for locating earth infrared	intensity in motion picture camera used in
horizon from space, independent of season and	optical pyrometry
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Optical characteristics measuring a [NASA-CAST-XNP-08840] Helium outqassing process for fused coating on ion accelerator grid [NASA-CAST-LEW-10278-1] Fluid polydimethylsiloxane resin wi outqassing properties in cured st [NASA-CASE-GSC-11358-1] OVENS Oven for heat treating heat shields [NASA-CASE-XMS-04318] OVERYOLITAGE Spark gap type protective circuit f sensing and removal of overvoltag [NASA-CASE-XAC-C6981] Sensing circuit for instantaneous r power overloads [NASA-CASE-GSC-10667-1]	c23 N71-16365 qlass c15 N71-28582 th low ate c06 N73-26100 c15 N69-27871 or fast e conditions c09 N69-39897 eaction to c10 N71-33129	Silicon radiation detecting probe vivo biomedical use [NASA-CASE-XMS-01177] Electrode connection for n-on-p sil [NASA-CASE-XLE-04787] Water content in vapor deposition of forming n-type and p-type junction doped gallium arsenide [NASA-CASE-XNP-01961] Method for making semiconductor probable of the semicon	design for in c05 N71-19440 licon solar cell c03 N71-20492 atmosphere for ons of zinc c26 N71-29156 n junction c14 N72-28438 um de solar cell c03 N73-26047 ctor junction c18 N73-30532 licon
Optical characteristics measuring a [NASA-CAST-XNP-08840] Helium outqassing process for fused coating on ion accelerator grid [NASA-CAST-LEW-10278-1] Fluid polydimethylsiloxane resin wi outgassing properties in cured st [NASA-CASE-GSC-11358-1] OVENS Oven for heat treating heat shields [NASA-CASE-XNS-04318] OVENVOLTAGE Spark gap type protective circuit f sensing and removal of overvoltag [NASA-CASE-XAC-08981] Sensing circuit for instantaneous r power overloads [NASA-CASE-CGC-10667-1] Overvoltage protection network for equipment [NASA-CASE-ARC-10197-1] OXIDATION	c23 N71-16365 qlass c15 N71-28582 th low ate c06 N73-26100 c15 N69-27871 or fast e conditions c09 N69-39897 eaction to c10 N71-33129 electrical c09 N73-29124	Silicon radiation detecting probe vivo biomedical use [NASA-CASE-XMS-01177] Electrode connection for n-on-p si. [NASA-CASE-XLE-04787] Water content in vapor deposition of forming n-type and p-type junction doped gallium arsenide [NASA-CASE-XNP-01961] Method for making semiconductor p-stress and strain sensor [NASA-CASE-XLA-04980-2] Graded band gap p-n junction gallium arsenide/gallium aluminum arsenide [NASA-CASE-LAR-11174-1] Resin for protecting p-n semiconductor surface [NASA-CASE-ERC-10339-1] P-TYPE SEMICONDUCTORS Addition of group 3 elements to si. semiconductor material for increases semiconductor material for increases semiconductor and semiconductor resistance to radiation damage in	design for in c05 N71-19440 licon solar cell' c03 N71-20492 atmosphere for ons of zinc c26 N71-29156 n junction c14 N72-28438 um de solar cell c03 N73-26047 ctor junction c18 N73-30532 licon assed n solar cells
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Optical characteristics measuring a [NASA-CAST-XNP-08840] Helium outqassing process for fused coating on ion accelerator grid [NASA-CAST-LEW-10278-1] Fluid polydimethylsiloxane resin wi outqassing properties in cured st [NASA-CASE-ESC-11358-1] OVENS Oven for heat treating heat shields [NASA-CASE-XMS-04318] OVERYOLITAGE Spark gap type protective circuit f sensing and removal of overvoltag [NASA-CASE-XAC-C8981] Sensing circuit for instantaneous r power overloads [NASA-CASE-SC-10667-1] Overvoltage protection network for equipment [NASA-CASE-ARC-10197-1] OXIDATION Silicide coating process and compos protection of refractory metals f [NASA-CASE-XIE-10910] Automated system for monitoring oxi metabolites of aromatic amines [NASA-CASE-ARC-10469-1] OXIDATION RESISTANCE Nickel base alloy with resistance t at high temperatures and superior stress-rupture properties [NASA-CASE-XIE-02082]	c23 N71-16365 qlass c15 N71-28582 th low ate c06 N73-26100 c15 N69-27871 or fast e conditions c09 N69-39897 eaction to c10 N71-33129 electrical c09 N73-29124 ition for rom oxidation c18 N71-29040 dative c06 N72-31145 o oxidation c17 N71-16026	Silicon radiation detecting probe vivo biomedical use [NASA-CASE-XBS-01177] Electrode connection for n-on-p si. [NASA-CASE-XLE-04787] Water content in vapor deposition forming n-type and p-type junction doped gallium arsenide [NASA-CASE-XNE-01961] Method for making semiconductor p-stress and strain sensor [NASA-CASE-XLA-04980-2] Graded band gap p-n junction gallium arsenide/gallium aluminum arsenide [NASA-CASE-XLA-04980-2] Resin for protecting p-n semiconductor surface [NASA-CASE-XLA-01174-1] Resin for protecting p-n semiconductor surface [NASA-CASE-LAR-11174-1] P-TYPE SEMICONDUCTORS Addition of group 3 elements to si. semiconductor material for increresistance to radiation damage in [NASA-CASE-XLE-02798] PACKAGES Impact testing machine for imparting impact forces on high velocity polymers for forces on device for fold: [NASA-CASE-IAR-10102-1] PACKAGING Characteristics of device for fold: flexible sheets into compact continuation of compactly packaging centry	design for in c05 N71-19440 licon solar cell' c03 N71-20492 atmosphere for ons of zinc c26 N71-29156 n junction c14 N72-28438 um de solar cell c03 N73-26047 ctor junction c18 N73-30532 licon ased n solar cells c26 N71-23654 ung large ackages c14 N71-23225 c05 N72-23085 ing thin figuration c15 N70-33180 rifugally
Optical characteristics measuring a [NASA-CAST-XNP-08840] Helium outqassing process for fused coating on ion accelerator grid [NASA-CAST-LEW-10278-1] Fluid polydimethylsiloxane resin wi outqassing properties in cured st [NASA-CASE-GSC-11358-1] OVENS Oven for heat treating heat shields [NASA-CASE-XMS-04318] OVERYOLITAGE Spark gap type protective circuit f sensing and removal of overvoltag [NASA-CASE-XAC-C08981] Sensing circuit for instantaneous r power overloads [NASA-CASE-ACC-10667-1] Overvoltage protection network for equipment [NASA-CASE-ARC-10197-1] OXIDATION Silicide coating process and compos protection of refractory metals f [NASA-CASE-XIE-10910] Automated system for monitoring oxi metabolites of aromatic amines [NASA-CASE-ARC-10469-1] OXIDATION RESISTANCE Nickel base alloy with resistance t at high temperatures and superior stress-rupture properties [NASA-CASE-XIE-02082] OXIDES Utilization of lithium p-lithipheno prepare star polymers	c23 N71-16365 qlass c15 N71-28582 th low ate c06 N73-26100 c15 N69-27871 or fast e conditions c09 N69-39897 eaction to c10 N71-33129 electrical c09 N73-29124 ition for rom oxidation c18 N71-29040 dative c06 N72-31145 o oxidation c17 N71-16026 xide to	Silicon radiation detecting probe vivo biomedical use [NASA-CASE-XMS-01177] Electrode connection for n-on-p sil [NASA-CASE-XLE-04787] Water content in vapor deposition forming n-type and p-type junction doped gallium arsenide [NASA-CASE-XNP-01961] Method for making semiconductor p-stress and strain semsor [NASA-CASE-XLA-04980-2] Graded band gap p-n junction gallicarsenide/gallium aluminum arsenic [NASA-CASE-XLA-04980-2] Resin for protecting p-n semiconductor p-stress and strain sensor [NASA-CASE-LAR-11174-1] Resin for protecting p-n semiconductor surface [NASA-CASE-LAR-11174-1] P-TYPE SEMICONDUCTORS Addition of group 3 elements to siles semiconductor material for incresistance to radiation damage in [NASA-CASE-XLE-02798] PACKAGES Impact testing machine for imparting impact forces on high velocity possible for semiconductor material for incresistance to radiation damage in [NASA-CASE-XLE-02798] PACKAGES [NASA-CASE-XNP-04817] One hand backpack harness [NASA-CASE-LAR-10102-1] PACKAGING Characteristics of device for fold: flexible sheets into compact continuation of compactly packaging centre expandable lightweight flexible is satellite	design for in c05 N71-19440 licon solar cell c03 N71-20492 atmosphere for ons of zinc c26 N71-29156 n junction c14 N72-28438 um de solar cell c03 N73-26047 ctor junction c18 N73-30532 licon ased n solar cells c26 N71-23654 ung large ackages c14 N71-23255 c05 N72-23085 ing thin figuration c15 N70-33180 rifugally reflector
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PACKING DENSITY Micropacked column for rapid chromatographic	[NASA-CASE-GSC-11296-1] c23 N73-30666 PARACHUTE DESCENT
analysis using low gas flow rates	Multiple parachute system for landing control of
[NASA-CASE-XNP-04816] c06 N69-39936	Apollo type spacecraft
PAINTS Nitroaniline sulfate, intumescent paints	[NASA-CASE-XLA-00898] c02 N70-36804
[NASA-CASE-ARC-10099-1] c18 N71-15469	Parachute system for lowering manned spacecraft from post-reentry to ocean landing
Composition and production method of alkali	[NASA-CASE-XLA-0C195] CO2 N70-38009
metal silicate paint with ultraviolet	Piston in bore cutter for severing parachute
reflection properties [NASA-CASE-XGS-04799] c18 N71-24183	control lines and sealing cable hole to prevent water leakage into load
White paint production by heating impure	[NASA-CASE-XMS-04072] c15 N70-42017
aluminum silicate clay having low solar	Development and operating principles of gas
absorptance [NASA-CASE-XNP-02139]	generator for deploying recovery parachutes
Nonflammable coatings of synthetic mica and	from space capsules during atmospheric entry [NASA-CASE-LAR-10549-1] c31 N73-13898
silicate gelant solution mixed with latex	PARACEUTE PABRICS
paint for use in liquid oxygen or high oxygen	Development and characteristics of parachute
qaseous atmospheres [NASA-CASE-MFS-20486] c18 N72-21557	fabric for aerodynamic decelerator using lightweight, variable solidity, knitted material
PALLADIUM ALLOYS	[NASA-CASE-LAR-10776-1] c02 N72-21004
Hydrogenation unit with reaction chamber of	PARACHUTES
hydrogen-permeable palladium alloy [NASA-CASE-NPO-11682] c15 N72-21474	System for controlling torque buildup in suspension of qondola connected to balloon by
PALLADIUM COMPOUNDS	parachute shroud lines
Preventing pressure buildup in electrochemical	[NASA-CASE-GSC-11077-1] c02 N73-13008
cells by reacting palladium oxide with evolved hydrogen	PARAGLIDERS
[NASA-CASE-XGS-01419] c03 N70-41864	Multiple parachute system for landing control of Apollo type spacecraft
Separation of dissolved hydrogen from water and	[NASA-CASE-XLA-00898] c02 N7C-36804
coating with palladium black	PARALLEL PLATES
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Nut and bolt fastener permitting all-directional	materials
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Multilayer insulation panels for cryogenic	Development of idler feedback system to reduce electronic noise problem in two parametric
liquid containers	amplifiers
[NASA-CASE-MFS-14023] c33 N71-25351	[NASA-CASE-LAR-10253-1] c09 N72-25258
Method and apparatus for fabricating solar cell panels	PARAWINGS Method for deployment of flexible wing glider
[NASA-CASE-XNP-03413] c03 N71-26726	from space vehicle with minimum impact and
Method for making pressurized meteoroid	loading
penetration detector panels [NASA-CASE-XLA-08916] c15 N71-29018	[NASA-CASE-XMS-00907] c02 N70-41630 PARTIAL PRESSURE
Honeycomb panels of minimal surface, periodic	Equipment for measuring partial water wapor
tubule layers	pressure in qas tank
[NASA-CASE-ERC-10364] c18 N72-25540 Ultrasonic adjustable scanner for flaw detection	[NASA-CASE-XMS-01618] C14 N71-20741 PARTICLE ACCRLERATION
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structure with welded seams	discrimination of high velocity molecular
[NASA-CASE-MFS-20335-1] c14 N72-27421 Fabrication of light weight panel structure	particles [NASA-CASE-XLE-01533] c11 N71-10777
using pairs of elongate hollow ribs of	[NASA-CASE-XLE-01533] c11 N71-10777 Method and apparatus for use in forming highly
semicircular configuration	collimated beam of microparticles with high
[NASA-CASE-LAR-11052-1] c32 N73-13929 Pressurized panel meteoroid detector	charge to mass ratio and injecting beam into
[NASA-CASE-XLA-08916-2] c14 N73-28487	electrostatic accelerating tube [NASA-CASE-XGS-06628] c24 N71-16213
PARABOLIC ANTENNAS	PARTICLE ACCELERATOR TARGETS
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horn antenna system for linearly polarized signals	dispensing targets for ion beam particle generators
[NASA-CASE-XNP-00611] c09 N70-35219	[NASA-CASE-NPO-13112-1] c11 N73-29138
Drive system for parabolic tracking antenna with	PARTICLE BEAMS
reversible motion and minimal backlash [NASA-CASE-NPO-10173] c15 N71-24696	Particle beam power density detection and measurement apparatus
PARABOLIC REFLECTORS	[NASA-CASE-XLE-00243] c14 N7C-38602
Device for improving efficiency of parabolic	Development and characteristics of improved
reflector horn for linearly or circularly polarized waves	dispensing targets for ion beam particle generators
[NASA-CASE-XNP-00540] c09 N70-35382	[NASA-CASE-NPO-13112-1] c11 N73-29138
Foldable, double come and parabolic reflector	PARTICLE COLLISIONS
system for solar ray concentration [NASA-CASE-XLA-04622] c03 N70-41580	Momentum-velocity analyzer for measuring minute space particles
Self erecting parabolic reflector design for use	[NASA-CASE-XMS-04201] c14 N71-22990
in space	PARTICLE DENSITY (CONCENTRATION)
[NASA-CASE-XMS-03454] c09 N71-20658 Plural beam antenna with parabolic reflectors	Particle detector for measuring micrometeoroid
[NASA-CASE-GSC-11013-1] CO9 N73-19234	<pre>velocity in space {NASA-CASE-XLA-00495} c14 N70-41332</pre>
Multimode antenna feed system for microwave and	PARTICLE EMISSION
broadband communication [NASA-CASE-GSC-11046-1] c07 N73-28013	Mosaic semiconductor radiation detector and
[NASA-CASE-GSC-11046-1] c07 N73-28013 PARABOLOID MIRRORS	position indicator systems engineering for low energy particles
Three mirror glancing incidence system for X ray	[NASA-CASE-XGS-03230]
telescope	Apparatus for detecting particle emission lower
[NASA-CASE-MFS-21372] c14 N72-20397 Optical data processing system using	than noise level of multiplier tube [NASA-CASE-XLA-07813] c14 N72-17328
paraboloidal reflecting surfaces	, MADA CADE ADA - 0 / 0 / 3 J C 14 M / 2 = 1 / 3 2 0

PARTICLE ENERGY SUBJECT INDEX

PARTICLE ENERGY	PAYLOADS
Particle detector for indicating incidence and energy of minute space particles	Plastic foam generator for space vehicle instrument payload package flotation in water
[NASA-CASE-XLA-00135] c14 N70-33322	landing
PARTICLE MOTION	[NASA-CASE-XLA-00838] c03 N70-36778 Stage separation system for spinning vehicles
Controlled distribution of electrophoretic samples in flow path through conductive screens	and payloads
[NASA-CASE-MFS-21395-1] c14 N72-27425	[NASA-CASE-XLA-02132] c31 N71-10582
PARTICLE PRODUCTION Heat pipe production of high purity radioiodine	Payload/spent rocket engine case separation system [NASA-CASE-XLA-05369] c31 N71-15687
for thyroid measurements	High velocity guidance and spin stabilization
[NASA-CASE-LEW-11390-3] c11 N73-28128	gyro controlled jet reaction system for launch
Development and characteristics of improved dispensing targets for ion beam particle	<pre>vehicle payloads [NASA-CASE-XLA-01339]</pre>
generators	Payload soft landing system using stowable gas bag
[NASA-CASE-NPO-13112-1] c11 N73-29138 PARTICLE SIZE DISTRIBUTION	[NASA-CASE-XLA-09881] c31 N71-16085 Zero gravity apparatus utilizing pneumatic
Micropacked column for rapid chromatographic	decelerating means to create payload subjected
analysis using low gas flow rates	to zero gravity conditions by dropping its
[NASA-CASE-XNP-04816] c06 N69-39936 Apparatus for producing hydrocarbon slurry	height [NASA-CASE-XMF-06515] c14 N71-23227
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use as jet aircraft fuel	frame to isolate payloads from
[NASA-CASE-XLE-00010] c15 N70-33382 Production of high strength refractory compounds	multi-gravitational forces [NASA-CASE-MFS-21680-1] c15 N73-20525
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PARTICLES	chains
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Development of apparatus for producing metal	tape recording of PCM data and timing
powder particles of controlled size [NASA-CASE-XLE-06461-2] c17 N72-28535	information [NASA-CASE-NPO-12107] c08 N71-27255
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[NASA-CASE-LAR-10961-1] c15 N73-12496	Supporting structure for simultaneous exposure
Development and operation of apparatus for sampling particulates in gases in upper	of pellets to X rays
atmosphere	[NASA-CASE-INP-06031] c15 N71-15606 PELTIER EFFECTS
[NASA-CASE-HQN-10037-1] c14 N73-27376	Use of silicon controlled rectifier shorting
PASSAGEWAYS Space expandable tether device for use as	circuit to protect thermoelectric generator source from thermal destruction
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[NASA-CASE-XMS-10993] c15 N71-28936	PENETRANTS
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passive communication satellite	oxygen
[NASA-CASE-XLA-00210] c30 N70-40309 Apparatus for measuring backscatter and	[NASA-CASE-XMF-02221] c18 N71-27170 PENETROMETERS
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Forming inflatable panels erectable in space for	[NASA-CASE-XLA-C0934] c14 N71-22765
passive communication satellite	Penetrometer for empirically determining
[NASA-CASE-XLA-03497] c15 N71-23052 PATENTS	<pre>load-bearing characteristics of inclined surfaces of remotely located bodies of soil</pre>
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Gas balancing, cryogenic refrigeration apparatus	[NASA-CASE-MFS-20774] c14 N73-19420
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[NASA-CASE-NPO-10309] c15 N69-23190 Lithium drifted silicon radiation detector with	soil formations [NASA-CASE-XNP-05530] c14 N73-32321
gold rectifying contacts	PERCEPTION
[NASA-CASE-XLE-10529] c14 N69-23191 Fecal waste disposal container	Measuring method for cutaneous perception using instrument with elongated tubular housing
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Stretcher with rigid head and neck support with	fluorinated polyurethane resins
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[NASA-CASE-XMF-06589] c05 N71-23159 PATTERN RECOGNITION	to produce saturated polymer chain or create reactive sites on chain
Roughness detector for recording surface pattern	[NASA-CASE-NPO-10862] c06 N72-22107
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[NASA-CASE-GSC+10021-1] c09 N71-24595	[NASA-CASE-ERC-10210] c16 N76-41525
Pulse code modulated data from frequency	PHOTOCATHODES
multiplex communications by digital phase	Spectrometer using photoelectric effect to
shift or carrier [NASA-CASE-NPO-11338] . c08 N72-25208	obtain spectral data [NASA-CASE-XNP-04161] c14 N71-15599
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Phase shifting circuit for selecting phase of	[NASA-CASE-ERC-10108] c06 N72-21094
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[NA SA-CASE-ARC-10269-1] c10 N72-16172	Electronic divider and multiplier for analog
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[NASA-CASE-NPO-11129] CC9 N72-33204	Photoconducting semiconductor system for
Voltage controlled phase shifter with low	converting stored optical images into video
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[NASA-CASE-MFS-21671-1] c10 N73-17211 Voltage controlled oscillator circuit for	PHOTOELECTRIC CELLS
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[NASA-CASE-MFS-21465-1] c10 N73-32145	and two photocells
PHASE SHIFT KEYING	[NASA-CASE-XGS-01159] C21 N71-10678
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signals from input data bits without timing or	obtain spectral data
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improving carrier tracking efficiency and data	photographing rocket engine nozzles or other
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Magnetohydrodynamic generator for mixing	securing film in motion picture cameras under vibration and high acceleration loads
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[NASA-CASE-XLE-02083] c03 N69-39983	Photographic film restoration system using
Method and feed system for separating and	Fourier transformation lenses and spatial filter
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[NASA-CASE-NPO-10844]	of hypervelocity projectiles
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[NASA-CASE-NPO-10998-1] c06 N73-32029	[NASA-CASE-GSC-11074-1] c14 N73-28489
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[NASA-CASE-XKS-10804] c05 N71-24606	Development of focused image holography with
Vibrophonocardiograph comprising low weight and	extended sources
small volume piezoelectric microphone with	[NASA-CASE-ERC-10019] c16 N71-15551
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sensitivity and low frequency response	holograms
[NASA-CASE-XPR-07172] c05 N71-27234	[NASA-CASE-ERC-10017] c16 N71-15567
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weight	sensitivity to ultraviolet light and usable
[NASA-CASE-XLA-01995] c18 N71-23047	for producing positive photographic images
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ion and tetraphenylphosphonitrilic units	recording of changes in thin film phase-change

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and coefficients of gases [NASA-CASE-ERC-10044-1] c14 N71-27090	pyramidical base for improved pointing accuracy of planetary trackers
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[NASA-CASE-XNP-01059] c23 N71-21821	light detector with trapezoidal barrier
Photometric flow meter with comparator reference	[NASA-CASE-NPO-11432-2] c14 N72-28442
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[NASA-CASE-NGS-01331] c14 N71-22996 Development of radiant energy sensor to detect	Semiconductor in resonant cavity for improving signal to noise ratio of communication receiver
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[NASA-CASE-ERC-10174] c14 N72-25409	Chemical and physical properties of synthetic
Characteristics of infrared photodetectors	polyurethane polymer prepared by reacting
manufactured from semiconductor material	hydroxy carbonate with organic diisocyanate
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microscope for viewing specimen at various	pressurized suits
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[NASA-CASE-LAR-10176-1] c14 N72-20380	PHYSIOLOGICAL TESTS
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of samples to be viewed by microscope	small volume piezoelectric microphone with
[NASA-CASE-GSC-11690-1] c14 N73-28499	amplifier having high imput impedance for high
Hand-held, lightweight, portable photomicroscope	sensitivity and low frequency response
[NASA-CASE-ARC-10468-1] c14 N73-33361	[NASA-CASE-XFR-07172] c05 N71-27234
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[NASA-CASE-XFR-05637] CG9 N71-19480	waves of physiological origin
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<pre>variable current source and dark current signals of opposite polarity</pre>	systems
[NASA-CASE-XMS-03478] c14 N71-21040	[NASA-CASE-ARC-10447-1] c05 N73-14092
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than noise level of multiplier tube	Pressurized cell micrometeoroid detector
[NASA-CASE-XLA-07813] c14 N72-17328	[NASA-CASE-XLA-00936] c14 N71-14996
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to sun or other light source	stress transducer design with bonded
[NASA-CASE-NPO-11201] c14 N72-27409	semiconductive piezoresistive element for
Control circuit for reducing bias voltage and	sensing residual stresses
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[NASA-CASE-XNP-00438] c21 N70-35089	measuring micrometeoroids
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Scan oscilloscope for mapping surface	[NASA-CASE-NPO-10144] c14 N71-17701
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[NASA-CASE-LAR-10320-1] c09 N72-23172	waves of physiological origin
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[NASA-CASE-MFS-20407] c09 N73-19235 PHOTOTROPISM	[NASA-CASE-XLA-00791] c03 N70-39930
Phototropic composition of matter with	וולוסס בעת הטתי בענה ביים ביים ביים ביים ביים ביים ביים ביי

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Piezoelectric pump for supplying fluid at high	
	Gage for measuring internal angle of flare on
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[NASA-CASE-XNP-05429] c26 N71-21824	[NASA-CASE-XHF-04415] c14 N71-24693
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operating on piezojunction effect and utilizing epoxy for stress coupling component	joining of large diameter metal tubes
[NASA-CASE-ERC-10087] C14 N71-27334	[NASA-CASE-XMF-05114-3] c15 N71-24865
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Miniature solid state, direction sensitive,	preparation
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[NASA-CASE-XNP-02983] c14 N71-21091	constricting overlapping ends
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[NASA-CASE-ERC-10088] c26 N71-25490	transmission line having inflatable inner tube
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and two plugs	[NASA-CASE-MSC-13609-1] c05 N72-25122
[NASA-CASE-XLA-09122] c15 N69-27505	Low mass truss structure with elongated
Blade vibration damping pins for turbomachinery	thin-walled tubular segments
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pumps	tubes in uniform manner
[NASA-CASE-LAR-10799-1] c12 N73-12295	[NASA-CASE-LAR-10129-1] c15 N73-25512
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atmosphere on entry into planetary atmospheres [NASA-CASE-XLA-01791] c14 N71-22991	[NASA-CASE-ARC-10598-1] c25 N73-29750 PLASMA DINAMICS
PLANETARY GRAVITATION	Apparatus for measuring conductivity and
Lunar and planetary gravity simulator to test	velocity of plasma with multiple sensing coils
vehicular response to landing	positioned in plasma
[NASA-CASE-XLA-00493] c11 N70-34786 Table structure and rotating magnet system	[NASA-CASE-XAC-05695] .c25 N71-16073 Development of self-energized plasma compressor
simulating gravitational forces on spacecraft	for compressing plasma discharged from coaxial
and displaying trajectories between Earth,	plasma generator
Venus, and Mercury [NASA-CASE-XNP-00708]	[NASA-CASE-MFS-22145-1] c25 N73-26721 PLASMA BNGINES
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Multiple parachute system for landing control of	thrustor
Apollo type spacecraft [NASA-CASE-XLA-00898]	[NASA-CASE-XLE-02902]
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[NASA-CASE-XLA-09881] c31 N71-16085	equipment for determining temperature and
PLANETARY ORBITS	electron density of plasma based on derivation
Self-erectable space structures of flexible foam for application in planetary orbits	of absorption coefficients [NASA-CASE-ARC-10598-1] c25 N73-29750
[NASA-CASE-XLA-00686] C31 N70-34135	[NASA-CASE-ARC+10598-1] c25 N73-29750 PLASMA GENERATORS
Manned space station collapsible for launching	Apparatus for producing highly conductive, high
and self-erectable in orbit [NASA-CASE-XLA-00678] c31 N70-34296	temperature electron plasma with homogenous
[NASA-CASE-XLA-00678] c31 N70-34296 PLANETARY RADIATION	temperature and pressure distribution [NASA-CASE-XLA-00147] c25 N70-34661
Attitude sensor with scanning mirrors for	Crossed field MHD plasma generator-accelerator
detecting orientation of space vehicle with	[NASA-CASE-XLA-03374] c25 N71-15562
respect to planet [NASA-CASE-XLA-00793] c21 N71-22880	Coaxial, high density, hypervelocity plasma
PLANETARY SURFACES	qenerator and accelerator using electrodes [NASA-CASE-MFS-20589] c25 N72-32688
Spacecraft transponder and ground station radar	Development of self-energized plasma compressor
system for mapping planetary surfaces [NASA-CASE-NPO-11001] c07 N72-21118	for compressing plasma discharged from coaxial
[NASA-CASE-NPO-11001] c07 N72-21118 PLASMA ACCELERATION	plasma generator [NASA-CASE-MFS-22145-1] c25 N73-26721
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[NASA-CASE-XLE-00519] c28 N70-41576 Coaxial, high density, hypervelocity plasma	metal or ceramic coatings on substrates [NASA-CASE-XLE-01604-2] c15 N71-15610
qenerator and accelerator using electrodes	PLASMA LAYERS
[NASA-CASE-MFS-20589] c25 N72-32688	Electrostatic modulator for communicating
PLASMA ACCELERATORS Crossed-field plasma accelerator for laboratory	through plasma sheath formed around spacecraft
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[NASA-CASE-XLA-00675] c25 N70-33267	Method and apparatus for communicating through
Continuous operation, single phased, induction plasma accelerator producing supersonic speeds	ionized layer of gases surrounding spacecraft
[NASA-CASE-XLA-01354] c25 N70-36946	during reentry into planetary atmospheres [NASA-CASE-XLA-01127] c07 N70-41372
Crossed field MHD plasma generator-accelerator	Reentry communication by injection of water
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Converging coaxial plasma accelerator for generating dense high velocity plasma bursts	plasmas [NASA-CASE-XLE-00821] c25 N71-15650
[NASA-CASE-ARC-10109] c25 N71-29181	PLASMA PROBES
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capable of ignition in low density gaseous	sensor at same potential to prevent stray wall
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Apparatus for measuring conductivity velocity of plasma with multiple :		[NASA-CASE-XLA-08493]	c10 N71-19421
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near and distant sources of radiation	Fireproof potassium silicate coating
[NASA-CASE-MFS-20546-2] c14 N73-30389 POSITION INDICATORS	composition, insoluble in water after application
Rocket-borne aspect sensor conststing of	[NASA-CASE-GSC-10072] c18 N71-14014
radiation sensor, apertured disk, commutator,	POTENTIOMETERS (INSTRUMENTS)
and counting circuits [NASA-CASE-XGS-08266] c14 N69-27432	Two axis flight controller with potentiometer
Characteristics and performance of electrical	<pre>control shafts directly coupled to rotatable ball members</pre>
system to determine angular rotation	[NASA-CASE-XFR-04104] C03 N70-42073
[NASA-CASE-XHF-00447] c14 N70-33179 Badioactive source for encoding shaft position	Device for controlling rotary potentiometer
[NASA-CASE-GSC-10644-1] c14 N70-35583	mounted on aircraft steering wheel or aileron control
Magnetic element position sensing device, using	[NASA-CASE-XAC-10019] c15 N71-23809
misaligned electromagnets [NASA-CASE-XGS-07514] c23 N71-16099	Mechanical function generators with
[NASA-CASE-XGS-07514] c23 N71-16099 Describing angular position and velocity sensing	potentiometer as sensing element [NASA-CASE-XAC-00001] c15 N71-28952
apparatus	POTTING COMPOUNDS
[NASA-CASE-XGS-05680] c14 N71-17585 Mosaic semiconductor radiation detector and	Removable potting compound for instrument shock
position indicator systems engineering for low	protection [NASA-CASE-XLA-00482] c15 N7C-36409
energy particles	[NASA-CASE-XLA-00482] c15 N7C-36409 Flexible, repairable, pottable composition for
[NASA-CASE-XGS-03230] c14 N71-23401	encapsulating electric connectors
Doppler compensated communication system for locating supersonic transport position	[NASA-CASE-XGS-05180] c18 N71-25881
[NASA-CASE-GSC-10087-4] c07 N73-20174	Thermally conductive polymer for potting electrical components
Aircraft mounted crash location transmitter for	[NASA-CASE-GSC-11304-1] c06 N72-21105
emergency signal transmission after crashes [NASA-CASE-MFS-16609-2] c07 N73-31084	POWDER METALLURGY
POSITIONING	Freeze casting of metal ceramic and refractory compound powders into plastic slips
Centering device with ultrafine adjustment for	[NASA-CASE-XLE-00106] c15 N71-16076
use with roundness measuring apparatus [NASA-CASE-XMF-00480] c14 N70-39898	Production method for manufacturing porous
Portable device for aligning surfaces of two	tungsten bodies from tungsten powder particles [NASA-CASE-XNP-04339] c17 N71-29137
adjacent wall or sheet sections for joining at	Superalloy material from prealloyed powders
point of junction	[NASA-CASE-LEW-10805-2] c15 N72-21485
[NASA-CASE-XMF-01452] c15 N70-41371 Electro-optical/computer system for aligning	Dry electrode manufacture, using silver powder with cement
large structural members and maintaining	[NASA-CASE-FRC-10029-2] c05 N72-25121
correct position	Grinding mixtures of powdered metals and inert
[NASA-CASE-XNP-02029] c14 N70-41955 Manual control mechanism for adjusting control	fillers for conversion to halide
rod to null position	[NASA-CASE-LEW-10450-1] c15 N72-25448 Superalloys from prealloyed powders at high
[NASA-CASE-XLA-01808] c15 N71-20740	temperatures
Tool positioning holder for grinding by ball nose milling cutter	[NASA-CASE-LEW-10805-1] c15 N73-13465
[NASA-CASE-LAR-10450-1] c15 N73-10504	Development of method for fabricating cermets and analysis of various compositions to show
Rotating generator for angular display of	electrical and physical properties
television raster in horizontal and visual simulation systems	[NASA-CASE-NPO-13120-1] c18 N73-23629
[NASA-CASE-FRC-10071-1] c07 N73-14171	POWER AMPLIFIERS Characteristics of high power, low distortion,
POSITIONING DEVICES (MACHINERY)	alternating current power amplifier
Swivel support for gas bearing for position adjustment between ball and supporting cup	[NASA-CASE-LAR-10218-1] c09 N70-34559
[NASA-CASE-XMF-07808] c15 N71-23812	Power supply with automatic power factor conversion system
Caterpillar micropositioner for positioning	[NASA-CASE-XMS-02159] c10 N71-22961
machine tools adjacent to workpiece	Solid state broadband stable power amplifier
[NASA-CASE-GSC-10780-1] c14 N72-16283 Positioning mechanism for converting translatory	[NASA-CASE-XNP-10854] c10 N71-26331 High efficiency transformerless amplitude
motion into rotary motion	modulator coupled to RF power amplifier
[NASA-CASE-NPO-10679] c15 N72-21462	[NASA-CASE-GSC-10668-1] c07 N71-28430
Optical system for monitoring angular position of rotating mirror	POWER EFFICIENCY Low power drain transistor feedback circuit
[NASA-CASE-GSC-11353-1] c23 N72-27736	[NASA-CASE-XGS-04999] c09 N69-24317
Design and development of test stand system for	Excitation and detection circuitry for flux
supporting test items in vacuum chamber [NASA-CASE-MFS-21362] c11 N73-20267	responsive magnetic head
POSITIVE PEEDBACK	[NASA-CASE-XNP-04183] c09 N69-24329 Increasing available power per unit area in ion
Complementary regenerative transistorized switch	rocket engine by increasing beam density
circuit employing positive and negative feedback [NASA-CASE-XGS-02751] c09 N71-23015	[NASA-CASE-XLE-00519] c28 N70-41576
POTABLE WATER	Absorbing gas reactivity control system for minimizing power distribution and perturbation
Potable water reclamation from human wastes in	in nuclear reactors
zero-G environment [NASA-CASE-XLA-03213] c05 N71-11207	[NASA-CASE-XLE-04599] c22 N72-20597
[NASA-CASE-XLA-03213] c05 N71-11207 Utilization of solar radiation by solar still	Remote sensing equipment to ensure efficiency in microwave electric power transmission to
for converting salt and brackish water into	remote receiving stations
potable water	[NASA-CASE-NFS-21470-1] c10 N73-20257
[NASA-CASE-IMS-04533] c15 N71-23086 Chlorine generator for purifying water in life	POWER GAIN
support systems of manned spacecraft	Serrodyne traveling wave tube reentrant amplifier for synchronous communication
[NASA-CASE-XLA-08913] c14 N71-28933	satellites operating at microwave frequencies
Mechanism for dispensing precisely measured charges of potable water into reconstitution	[NASA-CASE-XGS-G1022] c07 N71-16088
bags	Switching circuit for control of cathode ray tube beam with fast rise time for output signal
[NASA-CASE-MFS-21115-1] c05 N72-28097	[NASA-CASE-KSC-10647-1] c10 N72-31273
Portable device for dispensing potable water to crew members aboard operating spacecraft	POWER LIMITERS
[NASA-CASE-MFS-21163-1] c05 N72-28098	Monostable multivibrator for conserving power in spacecraft systems
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5 m at 0.57 acc 10502 13	c10 N72-20221	Do to ac to do converter with trans.	istor driven
[NASA-CASE-GSC-10082-1] POWER LINES	C 10 R 72-2022 1	synchronous rectifiers	
Patent data on terminal insert conn	ector for	[NASA-CASE-GSC-11126-1]	c09 N72-25253
flat electric cables		Integrated circuit power gyrator wi	th Z-matrix
(2202 2202 200 000 000 000 000 000 000	c09 N70-34596	design using parallel transistors	c09 N73-24236
POWER SERIES		[NASA-CASE-MPS-22342-1] PRECESSION	CU9 N/3-24230
Describing circuit for obtaining su	m or squares	Dynamic precession damping of spin-	stabilized
of numbers [NASA-CASE-XGS-04765]	c08 N71-18693	vehicles by using rate gyroscope	and angular
POWER SPECTRA		accelerometer	
Method and apparatus for high resol	ution power	(NASA-CASE-XLA-01989]	c21 N70-34295
spectrum analysis		PRECISION	
[NASA-CASE-NPO-10748]	c08 N72-20177	Precision stepping drive device usi [NASA-CASE-MFS-14772]	c15 N71-17692
POWER SUPPLIES Tape recorder designed for low power	r consumntion	Method and apparatus for precision	
and resistance to operational fai	lure under	joining of large diameter tubes b	
high stress conditions	1010 41401	constricting overlapping ends	
[NASA-CASE-XGS-08259]	c14 N71-23698	[NASA-CASE-XMF-05114-2]	c15 N71-26148
Current dependent variable inductan		PREFLIGHT OPERATIONS	
filter chokes of ac or dc power s		Automatic balancing device for use frictionless supported attitude-c	
[NASA-CASE-ERC-10139]	c09 N72-17154	test platforms	Oliciotied
<pre>performance of ac power supply deve laser system</pre>	Hoped for Coz	[NASA-CASE-LAR-10774]	c10 N71-13545
[NASA-CASE-GSC-11222+1]	c16 N73-32391	PRELAUNCH TESTS	
POWER SUPPLY CIRCUITS		Low loss parasitic probe antenna fo	r prelaunch
Regulated dc to dc converter		tests of spacecraft antennas	-00 274 43534
[NASA-CASE-XGS-03429]	cC3 N69-21330	[NASA-CASE-XKS-09348] Digital computer system for automat	c09 N71-13521
Power control switching circuit usi		checkout of spacecraft	ic preraumen
<pre>voltage semiconductor controlled for high voltage isolation</pre>	rectifiers	[NASA-CASE-XKS-08012-2]	c31 N71-15566
[NASA-CASE-XNP-C2713]	c10 N69-39888	PREPOLYMERS	
Pulse-forming circuit for fast swee		Carboxyl terminated polyester prepo	lymers and
charges stored in power transisto	ors	foams produced from prepolymers a	nd materials
[NASA-CASE-NPO-10674]	c10 N70-22132	[NASA-CASE-NPO-10596]	c06 N71-25929
Increasing power conversion efficie	ency of	PRESSURE CHAMBERS Triggering system for electric arc	driven
electronic amplifiers by power su	c09 N71-10798	impulse wind tunnel	ull ven
[NASA-CASE-XMS-00945] Electric power system utilizing the			c11 N70-36913
plasma diodes in parallel and hea		PRESSURE DISTRIBUTION	
cathodes		Piston device for producing known of	
[NASA-CASE-XMF-05843]	c03 N71-11055	positive pressure within lungs by	using
Pulsed energy power system for appl	lication of	thoracic muscles	c05 N70-41329
combustible gases to turbine cont	rolling ac	[NASA-CASE-XMS-01615] Preventing pressure buildup in elec	
voltage generator [NASA-CASE-MSC-13112]	c03 N71-11057	cells by reacting palladium oxide	
Data processor having multiple sect		hydrogen	
activated at different times by		[NASA-CASE-XGS-01419]	c03 N70-41864
power coupling to sections		Device for suppressing pressure osc	illations in
[NASA-CASE-XGS-04767]	c08 N71-12494	fluid transmission line	-40 270 05006
Microwave power receiving antenna		[NASA-CASE-MFS-10354-2] PRESSURE EFFECTS	c12 N72-25306
dissipation problems by construct elements as heat pipe devices	cion or	Vacuum displacement compression mol	ding of
[NASA-CASE-MFS-20333]	c09 N71-13486	tubular bodies from thermosetting	
Design, development, and operating		[NASA-CASE-LAR-10782-2]	
power supply with starting circus	it which is	PRESSURE GAGES	
independent of voltage regulator		Differential pressure cell insensit	
[NASA-CASE-XMS-01991]	c09 N71-21449	changes in ambient temperature ar	id extreme
Power supply with automatic power : conversion system	ractor		c14 N70-34816
[NASA-CASE-XMS-02159]	c10 N71-22961	Blood pressure measuring system for	
Electric circuit for reversing dire		recording dc and ac pressure sign	nals of
current flow		Korotkoff sounds	
[NASA-CASE-XNP-00952]	c10 N71-23271	[NASA-CASE-XMS-06061]	c05 N71-23317
Power supply with overload protect:	ion for series	Control system for pressure balance in calibrating pressure gages	e device used
stage transistor [NASA-CASE-XMS-00913]	c10 N71-23543		c14 N71-23755
Automatic power supply circuit des		Improved McLeod gage for pressure i	
driving inductive loads and mini		[NASA-CASE-XAC-04458]	c14 N71-24232
consumption including solenoid e		Ultrahigh vacuum gauge with two col	llector
[NASA-CASE-NPO-10716]	c09 N71-24892	electrodes	-40 872 20200
Unsaturating magnetic core transfo		[NASA-CASE-LAR-02743]	c14 N73-32324
with warning signal for electric	al power	PRESSURE GRADIENTS Positive displacement flowmeter for	maasuring
processing equipment [NASA-CASE-ERC-10125]	c09 N71-24893	extremely low flows of fluid with	
Device for monitoring voltage by q		calibrating features	
signal when voltages drop below		[NASA-CASE-XMF-02822]	c14 N70-41994
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[NASA-CASE-KSC-10020]	c10 N71-27338	Design and development of inertia	araphragm
Power point tracker for maintainin	g optimal	pressure transducer [NASA-CASE-XAC-02981]	c14 N71-21072
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Microwave power divider for provid		measuring differential pressures	of few pounds
output power to output wavequide		per square inch	
wavequide system		[NASA-CASE-XMF-01974]	c14 N71-22752
[NASA-CASE-NPO-11031]	c07 N71-33606	Improved McLeod gage for pressure	
Circuit for monitoring power suppl	y by ripple	[NASA-CASE-XAC-04458]	c14 N71-24232
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naba-caba nbc-10102	503 BIL 11223	[NASA-CASE-XER-11203]	c14 N71-28994

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Design, development, and characteristics of	Design, development, and characteristics of
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[NASA-CASE-LEW-10281-1] c14 N72-17327 Method for designing wind tunnel model airfoil	Pressure transducer for systems for measuring
with integrally formed pressure measurement	forces of compression
orifices	[NASA-CASE-NPO-10832] c14 N72-21405
[NASA-CASE-LAR-10812-1] c11 N72-27272	Pressure operated electrical switch responsive
Calibration of vacuum gauges for measuring total	to pressure decrease after pressure increase [NASA-CASE-LAR-10137-1] c09 N72-22204
and partial pressures in ultrahigh vacuum region [NASA-CASE-XGS-07752] c14 N73-30390	[NASA-CASE-LAR-10137-1] c09 N72-22204 Wide range dynamic pressure sensor with
Absolute pressure measuring device for measuring	vibrating diaphragm for measuring density and
gas density level in high vacuum range	pressure of gaseous environment
[NASA-CASE-LAR-10000] C14 N73-30394	[NASA-CASE-ARC-10263-1] c14 N72-22438
PRESSURE OSCILLATIONS Device for suppressing pressure oscillations in	Design of system for calibrating pressure transducers
fluid transmission lines	[NASA-CASE-LAR-10910-1] c14 N72-28462
[NASA-CASE-MFS-10354] c12 N70-41976	Development of differential pressure control
PRESSURE REDUCTION	system using motion of mechanical diaphragms
Relief valve to permit slow and fast bleeding	to operate electric switch
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Sealed electric storage battery with gas	circuitry for monitoring arterial pressure pulse
manifold interconnecting each cell	[NASA-CASE-LEW-11581-1] c05 N73-18139
[NASA-CASE-XNP-03378] c03 N71-11051	Portable device for detecting pneumatic pressure
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Pressure regulating system with high pressure fluid source, adapted to maintain constant	[NASA-CASE-MFS-21761-1] c14 N73-18444 Device for measuring stagnation pressure of
downstream pressure	supersonic gas streams
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with adjustable pressure regulator	[NASA-CASE-XLA-08916-2] c14 N73+28487
[NASA-CASE-XMS-01115] c05 N70-39922 Structural design of high pressure regulator valve	PRESSURE SUITS Helmet and torso tiedown mechanism for
[NASA-CASE-XNP-00710] c15 N71-10778	shortening pressure suits upon inflation
Space suit with pressure-volume compensator system	[NASA-CASE-XMS-00784] c05 N71-12335
[NASA-CASE-XLA-05332] c05 N71-11194	Design and development of flexible joint for
Portable environmental control and life support	pressure suits [NASA-CASE-XMS-09636] c05 N71-12344
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Antibacklash circuit for hydraulic drive system	[NASA-CASE-XMS-09635] C05 N71-24623
[NASA-CASE-XNP-01020] c03 N71-12260	Development of improved convolute section for
High impact pressure regulator having minimum	pressurized suits to provide high degree of
number of lightweight movable elements	mobility in response to minimum of applied
[NASA-CASE-NPO-10175] c14 N71-18625 Pressure regulator for space suit worn	torque [NASA-CASE-XMS-09637-1] c05 N71-24730
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[NASA-CASE-XLA-00481] c14 N70-36824	[NASA-CASE-XNP-00610] c28 N70-36910 Thin walled pressure test vessel using
Ambient atmospheric pressure sensing device for determining altitude of flight vehicles	low-melting alloy-filled joint to attach shell
[NASA-CASE-XLA-00128] c15 N70-37925	to heads
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[NASA-CASE-XAC-02877] c14 N70-41681 Design and development of inertia diaphragm	thermal expansion of metal pluq [NASA-CASE-NPO-10298] c12 N71-17661
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[NASA-CASE-XAC-02981] c14 N71-21072	stresses in pressure vessel to prevent stress
Design and development of pressure sensor for	corrosion
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Electrical spot terminal assembly for printed	launching projectiles in decontaminated medium
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[NASA-CASE-MFS-20453] c15 N71-29133 Development and characteristics of polyimide	optimum arrangement of instrument displays in
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[NASA-CASE-MFS-20408] c18 N73-12604 Device for bending leads projecting from printed	Dual waveguide mode source for controlling
circuit boards	amplitudes of two modes
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[NASA-CASE-XLE-08917] c15 N71-15597	Collapsible auxiliary tank for restarting liquid
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[NASA-CASE-XMF-01016] c26 N71-17818 Technique for making foldable, inflatable,	Microleak detector mounted on weld seam of
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indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants	at high Q values with reduced sensitivity to gain amplification and number of passive
[NASA-CASE-XNP-08881] c17 N71-28747	components
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[NASA-CASE-XNP-05429]	system using optical coupling circuitry [NASA-CASE-MFS-21660+1] c14 N73-13434
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monitor for reaction chamber constituents	resonant frequencies
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[NASA-CASE-LEW-11672-1] c15 N73-14479	compounds
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[NASA-CASE-XNP-02340] c23 N69-24332	to withstand severe environmental stress
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BADAR REFLECTORS	dose of high energy ionizing radiation
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[NASA-CASE-ERC-10021] c06 N71-28635 Nondispersive gas analysis using radiation	[NASA-CASE-LEW-10210-1] c28 N71-26781 Light shield and cooling apparatus for high
detection for quantitative analysis [NASA-CASE-ARC-10368-1] c06 N72-31141	intensity ultraviolet lamps [NASA-CASE-LAR-10089-1] c15 N73-13474
Ultraviolet radiation detector in presence of	Ultraviolet radiation detector in presence of
<pre>proton radiation using sensor tubes within shielding mechanism</pre>	proton radiation using sensor tubes within shielding mechanism
[NASA-CASE-MFS-21577-1] c03 N73-20042	[NASA-CASE-MFS-21577-1] c03 N73-20042
Radiation source tracker comprised of sectored	RADIATION SOURCES
matrix of detectors with output voltages corresponding to irradiance levels	Sight switch using infrared source and sensor mounted beside eye
[NASA-CASE-NPO-11686] c14 N73-25462	[NASA-CASE-XMF-03934] c09 N71-22985
Radiation or charged particle detector and	Nonconsumable metal electric arc electrodes for
amplifier [NASA-CASE-NPO-12128-1] c14 N73-32317	producing solar simulator radiation source [NASA-CASE-LEW-11162-1] c09 N71-34210
RADIATION DISTRIBUTION	Apparatus for obtaining isotropic irradiation on
Space simulator with uniform test region radiation distribution, adapted to simulate	film emulsion from parallel radiation source
Venus solar radiations	[NASA-CASE-MFS-20095] c24 N72-11595 Radiation source tracker comprised of sectored
[NASA-CASE-XNP-00459] c11 N70-38675	matrix of detectors with output voltages
PADIATION DOSAGE Development of dosimeter for measuring absorbed	corresponding to irradiance levels [NASA-CASE-NPO-11686] c14 N73-25462
dose of high energy ionizing radiation	RADIATION SPECTRA
[NASA-CASE-XLA-03645] c14 N71-20430	Maksutov spectrograph for low light level research
RADIATION EFFECTS Method for temperature compensating	[NASA-CASE-XLA-10402] c14 N71-29041 RADIATION TOLERANCE
semiconductor gages by exposure to high energy	Ultraviolet radiation resistant alkali-metal
radiation [NASA-CASE-XLA-04555-1] c14 N71-25892	silicate coatings for temperature control of
[NASA-CASE-XLA-04555-1] c14 N71-25892 RADIATION HEASUREMENT	spacecraft [NASA-CASE-XGS-04119] c18 N69-39979
Sensitive high field CdS infrared radiation	Doping silicon material with gadolinium to
detector for use in quenching range [NASA-CASE-LAR-11027-1] c14 N72-28463	increase radiation resistance of solar cells [NASA-CASE-XLE-C2792] c26 N71-10607
Development of thermopile with sensor surface to	Improving radiation resistance of silicon
receive radiant energy and to provide	semiconductor junctions by doping with lithium
measurement of energy quantity [NASA-CASE-NPO-11493] c14 N73-12447	[NASA-CASE-XGS-07801] c09 N71-12513 Control circuit for reducing bias voltage and
RADIATION BEASURING INSTRUMENTS	radiation sensitivity of photomultiplier
Rocket-borne aspect sensor consisting of radiation sensor, apertured disk, commutator,	[NASA-CASE-ARC-10593-1] c09 N73-30187 RADIATIVE HEAT TRANSPER
and counting circuits	Heat flux sensor assembly with proviso for heat
[NASA-CASE-XGS-08266] c14 N69-27432	shield to reduce radiative transfer between
Infrared scanning system for maintaining spacecraft orientation with earth reference	sensor elements [NASA-CASE-XMS-05909-1] c14 N69-27459
[NASA-CASE-XLA-00120]	Heat transfer device with restraint mechanism
Multiple wavelength radiation measuring	for supporting wick against wall of shell
instrument for determining hot body or qas temperature	[NASA-CASE-NPO-11120] c33 N70-41524 Capillary radiator for carrying heat transfer
[NASA-CASE-XLE-00011] c14 N70-41946	liquid in planetary spacecraft structures
Development of method for improving signal to noise ratio and accuracy of Wheatstone bridge	[NASA-CASE-XLE-03307] c33 N71-14035 Transient heat transfer gage for measuring total
type radiation measuring instrument	radiant intensity from far ultraviolet and
[NASA-CASE-XLA-02810] c14 N71-25901 Development of thermopile with sensor surface to	ionized high temperature gases [NASA-CASE-XNP-09802] c33 N71-15641
receive radiant energy and to provide	[NASA-CASE-XNP-09802] c33 N71-15641 Construction and method of arranging plurality
measurement of energy quantity	of ion engines to form cluster thereby
[NASA-CASE-NPO-11493] c14 N73-12447 Phototransistor with base collector junction	increasing efficiency and control by decreasing heat radiated to space
diode for integration into photo sensor arrays	[NASA-CASE-XNP-02923] c28 N71-23081
[NASA-CASE-MFS-20407] c09 N73-19235	RADIATORS
Method and apparatus for measuring electromagnetic radiation	Development and characteristics of natural circulation radiator for use with nuclear
[NASA-CASE-LEW-11159-1] c14 N73-28488	power plants installed in lunar space stations
Design of gamma ray spectrometer for measurement of intense radiation using Compton scattering	[NASA-CASE-XHQ-03673] c33 N71-29046 RADIO ANTENNAS
effect	Low loss parasitic probe antenna for prelaunch
[NASA-CASE-MFS-21441-1] c14 N73-30392 RADIATION PROTECTION	tests of spacecraft antennas
Development of method for protecting large and	[NASA-CASE-XKS-09348] c09 N71-13521 WHF/UHF parasitic probe antenna for spacecraft
oddly shaped areas from radiant and convective	communication
heat [NASA-CASE-XNP-01310]	[NASA-CASE-XKS-09340] c07 N71-24614 Development and characteristics of extensible
Cooling and radiation protection of ruby lasers	dipole antenna using deformable tubular
using copper sulfate solution in alcohol [NASA-CASE-MPS-20180] c16 N72-12440	metallic strip element [NASA-CASE-HQN-00937] c07 N71-28979
RADIATION SHIELDING	RADIO ASTRONOMY
Encapsulated heater forming hollow body for	Synchronous detection system for detecting weak
cathode used in ion thruster [NASA-CASE-LEW-10814-1] c28 N70-35422	radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723
Describing hot filament type Bayard-Alpert	RADIO CONTROL
ionization gage with ion collector buried or	Radio frequency controlled solid state switch
removed from grid structure [NASA-CASE-XLA-07424] c14 N71-18482	[NASA-CASE-ARC-10136-1] c09 N72-22202 RADIO PREQUENCIES
Sealed housing for protecting electronic	Helical coaxial resonator RF filter
equipment against electromagnetic interference [NASA-CASE-MSC-12168-1] c09 N71-18600	[NASA-CASE-XGS-02816] c07 N69-24323 Automatic qain control amplifier system
Internal labyrinth and shield structure to	[NASA-CASE-XMS-05307] CO9 N69-24330
improve electrical isolation of propellant	Method and apparatus for bowing of instrument
feed source from ion thrustor	panels to improve radio frequency shielded

enclosure [NASA-CASE-XMF-09422] c07 N71-19436	
	[NASA-CASE-LEW-11227-1] c33 N71-35153
Development of automatic frequency	Thermally cascaded thermoelectric generator with radioisotopic heat source
discriminators and control for phase lock loop	[NASA-CASE-NPO-10753] c03 N72-26031
providing frequency preset capabilities	RADIOACTIVE MATERIALS
[NASA-CASE-XMF-08665] c10 N71-19467	Radioactive source for encoding shaft position
System generating sidereal frequency signals	[NASA-CASE-GSC-10644-1] c14 N70-35583
from signals of standard solar frequency without use of mixing operations or feedback	RADIOBIOLOGY Production of I-123 for use as
loops	radiopharmaceutical for low radiation exposure
[NASA-CASE-XGS-02610] c14 N71-23174	[NASA-CASE-LEW-10518-1]
Radio frequency coaxial filter to provide dc	RADIOGRAPHY
isolation and low frequency signal rejection	Nondestructive radiographic tests of resistance
in audio range	welds
[NASA-CASE-XGS-01418] c09 N71-23573 Variable frequency nuclear magnetic resonance	[NASA-CASE-XNP-02588] c15 N71-18613 RADIOMETERS
spectrometer providing drive signals over wide	Miniaturized radiometer for detecting low level
frequency range and minimizing noise effects	thermal radiation
[NASA-CASE-XNP-09830] c14 N71-26266	[NASA-CASE-XLA-04556] c14 N69-27484
High efficiency transformerless amplitude	Black body radiometer design with temperature
modulator coupled to RF power amplifier [NASA-CASE-GSC-10668-1] c07 N71-28430	sensing and cavity heat source cone winding
Technique and equipment for sputtering using	[NASA-CASE-XNP-09701] c14 N71-26475 Black body radiometer having isothermally
apertured electrode and pulsed substrate bias	surrounded cavity for ultraviolet, visible
[NASA-CASE-LEW-10920-1] c17 N73-24569	and infrared radiation
Radio frequency source resistance measuring	[NASA-CASE-NPO-10810] c14 N71-27323
instruments of varied design	Thermodielectric radiometer using polymer film
[NASA-CASE-NPO-11291-1] c14 N73-30388 RADIO FREQUENCY INTERFERENCE	as capacitor [NASA-CASE-ARC-10138-1]
Radio frequency noise generator having microwave	[NASA-CASE-ARC-10138-1] c14 N72-24477 Development of radiant energy sensor to detect
slow-wave structure in gas discharge plasma	the radiant energy wavelength bands from
[NASA-CASE-XER-11019] CO9 N71-23598	portions of radiating body
Automatic nulling system for interference signal	[NASA-CASE-ERC-10174] c14 N72-25409
at multichannel receiver by polarization adjustment	Development of radiometric sensor to warn
[NASA-CASE-NPO-13140-1] c07 N73-27106	aircraft pilots of region of clear air turbulence along flight path
RADIO FREQUENCY SHIELDING	[NASA-CASE-ERC-10081] c14 N72-28437
Gunn effect microwave diodes with RF shielding	Design and development of radiometer to observe
[NASA-CASE-ERC-10119] c26 N72-21701	steady state radiation in vacuum environment
Process for making RF shielded cable connector	[NASA-CASE-MFS-21108-1] c14 N73-12455
assemblies and resulting structures [NASA-CASE-GSC-11215-1] c09 N73-28083	Radiometer quadrature control and measuring
[NASA-CASE-GSC-11215-1]	system using optical coupling circuitry [NASA-CASE-MFS-21660-1] c14 N73-13434
Radio receiver with array of independently	Radiometric measuring system for solar activity
steerable antennas for deep space communication	and atmospheric attenuation and emission
[NASA-CASE-XLA-00901] c07 N71-10775	[NASA-CASE-ERC-10276] c14 N73-26432
Development of optimum pre-detection diversity	RADIOTELEPHONES
combining receiving system adapted for use with amplitude modulation, phase modulation,	Communication system for transmitting biomedical
and frequency modulation systems	information obtained from patient in moving ambulance to hospital for diagnosis
[NASA-CASE-XGS-00740] CO7 N71-23098	[NASA-CASE-FRC-10031] c05 N70-20717
RADIO RELAY SYSTEMS	RAIN
Satellite radio communication system with remote	Precipitation detector and mechanism for
steerable antenna [NASA-CASE-XNP-02389] c07 N71-28900	stopping and restarting machinery at
RADIO SIGNALS	initiation and cessation of rain [NASA-CASE-XLA-02619] c10 N71-26334
Erectable, inflatable, radio signal reflecting	RAMJET ENGINES
passive communication satellite	
·	Telescoping-spike supersonic nozzle for turbojet
[NASA-CASE-XLA-00210] c30 N70-40309	or ramjet engines
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDON LOADS Patique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDON LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback	or ramjet engines [NASA-CASE-XIE-00005] c28 N70-39899 RANDON LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDON LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TRLEBETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NF0-10169] c10 N71-24844 Digitally controlled random noise vibration testing
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Patique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NPO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NPO-11612] c11 N72-20251
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NPO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NPO-11612] c11 N72-20251 Digital servocontrol system for random noise
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSMITTERS	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NFO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NFO-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSHITTERS Development of radio locating system for monitoring geographic movement of surface	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NPO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NPO-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NPO-11623-1] c23 N72-25628 RANDOM PROCESSES
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TRLEBETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSHITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NF0-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NF0-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NF0-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TEANSHITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations	or ramjet engines [NASA-CASE-XIE-00005] c28 N70-39899 RANDOM LOADS Patique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XIA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NPO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NPO-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NPO-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave pulses using white noise source
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSHITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NPO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NPO-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NPO-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave pulses using white noise source [NASA-CASE-MSC-14431-1] c09 N73-26199
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TEANSHITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NF0-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NF0-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NF0-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave pulses using white noise source [NASA-CASE-MSC-14131-1] c09 N73-26199 RANGE PINDERS
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TELEMETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSMITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 Aircraft mounted crash location transmitter for emergency signal transmission after crashes [NASA-CASE-MFS-16609-2] c07 N73-31084	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NFO-10169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NFO-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NFO-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave pulses using white noise source [NASA-CASE-MSC-14131-1] c09 N73-26199 RANGE FINDERS Closed loop radio communication ranging system to determine distance between moving airborne
[NASA-CASE-XLA-00210] c30 N70-40309 Synchronous detection system for detecting weak radio astronomical signals [NASA-CASE-XNP-09832] c30 N71-23723 RADIO STARS System generating sidereal frequency signals from signals of standard solar frequency without use of mixing operations or feedback loops [NASA-CASE-XGS-02610] c14 N71-23174 RADIO TRLEBETRY Digital telemetry system apparatus to reduce tape recorder wow and flutter noise during playback [NASA-CASE-XGS-01812] c07 N71-23001 RADIO TRANSHITTERS Development of radio locating system for monitoring geographic movement of surface vehicles in metropolitan area using unsynchronized radio broadcasting stations [NASA-CASE-NPO-13217-1] c07 N73-26144 Aircraft mounted crash location transmitter for emergency signal transmission after crashes [NASA-CASE-MFS-16609-2] c07 N73-31084 RADIO WAYES	or ramjet engines [NASA-CASE-XLE-00005] c28 N70-39899 RANDOM LOADS Fatique testing device applying random discrete load levels to test specimen and applicable to aircraft structures [NASA-CASE-XLA-02131] c32 N70-42003 RANDOM NOISE Circuits for amplitude limiting of random noise inputs [NASA-CASE-NF0-1C169] c10 N71-24844 Digitally controlled random noise vibration testing [NASA-CASE-NF0-11612] c11 N72-20251 Digital servocontrol system for random noise excitation in reverberant acoustic chamber [NASA-CASE-NF0-11623-1] c23 N72-25628 RANDOM PROCESSES Circuitry for generating random square wave pulses using white noise source [NASA-CASE-MSC-14131-1] c09 N73-26199 RANGE PINDERS Closed loop radio communication ranging system to determine distance between moving airborne vehicle and fixed ground station
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Brazing allow adapted for brazing corrosion	programs
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Fabrication method for lightweight	
regeneratively cooled combustion chamber of	Method and device for verifying reliability of fire detectors
channel construction	F N 3 G 3 G 3 G 3 G 4 G 4 G 4 G 4 G 4 G 4 G
[NASA-CASE-XLE-00150] c28 N70-41818	[NASA-CASE-GSC-11600-1] c14 N73-18436 RELIABILITY ANALYSIS
Regenerative cooling system for small rocket	
engine having restart capability and using	Development of computer program for estimating
noncryogenic hypergolic propellants	reliability of self-repair and fault-tolerant
[NASA-CASE-XLE-00685] C28 N70-41992	systems with respect to selected system and mission parameters
Regenerative cooling system for rocket	FWACA CARR UPA ARACA AR
combustion chamber using coolant tubes in	[NASA-CASE-NPO-13086-1] c15 N73-12495 RELIABILITY ENGINEERING
convergent-divergent nozzle	Improving load consider and Call and
[NASA-CASE-XLE-04857] c28 N71-23968	Improving load capacity and fatigue life of
Thermocouple apparatus for measuring wall	rolling element systems in rockets and missiles
temperatures in regeneratively cooled rocket	[NASA-CASE-XLE-02999] c15 N71-16052
engines having thin walled cooling passages	Gage for quality control of sealing surfaces of threaded boss
[NASA-CASE-XLE-05230-2] c14 N73-13417	F 22 G 2 G 2 G 2 G 2 G 2 G 2 G 2 G 2 G 2
REGENERATIVE FUEL CELLS	[NASA-CASE-XMF-04966] c14 N71-17658 Reliability of automatic refilling valving
Electrolytically regenerative hydrogen-oxygen	device for cryogenic liquid systems
fuel cells	
[NASA-CASE-XLE-04526] c03 N71-11052	[MASA-CASE-NPO-11177] c15 N72-17453 Reliability of electrical connectors after heat
REGENERATORS	sterilization
Loop transponder for regenerating code of	[NASA-CASE-NPO-10694] c09 N72-20200
mu-type ranging system	RELIEF VALVES
[NASA-CASE-NPO-11707] c07 N73-25161	Relief walve to permit slow and fast bleeding
REGISTERS (COMPUTERS)	rates at difference pressure levels
Data processor with plural register stages for	[NASA-CASE-XMS-05894-1] c15 N69-21924
selectively interconnecting with each other to	Describing apparatus for separating gas from
effect multiplicity of operations	cryogenic liquid under zero gravity and for
[NASA-CASE-GSC-10186] c08 N71-33110	
	venting gas from fuel tank
REINFORCED PLASTICS	<pre>venting gas from fuel tank {NASA-CASE-XLE-00586}. c15 N71-15968</pre>
REINFORCED PLASTICS Process for developing filament reinforced	<pre>ventinq qas from fuel tank [NASA-CASE-XLE-00586].</pre>
BEINFORCED PLASTICS Process for developing filament reinforced plastic tubes used in research and development	<pre>venting gas from fuel tank [NASA-CASE-XLE-00586]. c15 N71-15968 Redundant hydraulic control system for actuators with three main valve combination</pre>
REINFORCED PLASTICS Process for developing filament reinforced plastic tubes used in research and development	<pre>venting gas from fuel tank [NASA-CASE-XLE-00586]. c15 N71-15968 Redundant hydraulic control system for actuators</pre>

[NASA-CASE-MFS-20944]	c15 N73-13466	sync pulse for activating binary	counter to
RHOTE CONTROL		produce signal identifying time s	lot for station
Oscillatory electromagnetic mirror	drive system	[NASA-CASE-GSC-10373-1]	c07 N71-19773
for horizon scanners		REPLACING	_
[NASA-CASE-YI.A-03724]	c14 N69-27461	Indexing mechanism for cathode arra	ı y
Stage separation using remote contr	col release of	substitution in electron beam tub	c09 N71-26182
joint with explosive insert		[NASA-CASE-NPO-10625]	CUS N/1-20102
[NASA-CASE-XLA-02854]	c15 N69-27490	REPRODUCTION (COPYING) Image copier system for film editing	ha and
Power controlled bimetallic electro	omechanical	composite reproduction of multipl	e images
actuator for accurate, timely, an	d tellapie	[NASA-CASE-NPO-10196-2]	c14 N70-20711
response to remote control signal	T	RESCUE OPERATIONS	
[NASA-CASE-XNP-09776]	c09 N69-39929	Backpack carrier with retractable 1	egs suitable
Controlled caging and uncaging mech	hanism for	for lunar exploration and convert	ible to
remote instrument control	c03 N70-35584	rescue vehicle	
[NASA-CASE-GSC-11063-1] Two component valve assembly for component valve assembly as a component valve assembly for component valve as a comp		[NASA+CASE-LAR-10056]	c05 N71-12351
liquid transfer regulation	Lyoqenic	Development and characteristics of	rescue litter
[NASA-CASE-XLE-00397]	c15 N70-36492	with inflatable flotation device	for water
Remotely actuated quick disconnect		rescue application	
umbilical cables		[NASA-CASE-XMS-04170]	c05 N71-22748
[NASA-CASE-XLA-GO711]	c03 N71-12258	RESEARCH AND DEVELOPMENT	
Remotely actuated quick disconnect	for tubular	Process for developing filament re-	inforced
umbilical conduits used to trans	fer fluids	plastic tubes used in research an	iq deserobment
from ground to rocket vehicle		programs	45 270 46000
INASA-CASE-XLA-01396]	c03 N71-12259	[NASA-CASE-LAR-10203-1]	CID N/2-10330
Remote control device operated by	movement of	RESEARCH VEHICLES	710
finger tips for manual control o	f spacecraft	Lunar landing flight research vehic	c31 N70-34966
attitude	A0 W74 46000	[NASA-CASE-XFR-00929] Velocity limiting safety system for	
[NASA-CASE-XAC-02405]	c09 N71-16089	research vehicle	L MOCOL GIIVEN
Satellite radio communication syst	em with remote	[NASA-CASE-XLA-07473]	c15 N71-24895
steerable antenna	c07 N71-28900	RESIDUAL STRESS	• • • • • • • • • • • • • • • • • • • •
[NASA-CASE-XNP-02389]		Miniature solid state, direction s	ensitive,
Laser beam projector for continuou alignment between target, laser	generator, and	stress transducer design with bo	nded
astronomical telescope during tr	acking	semiconductive piezoresistive el	ement for
[NASA-CASE-NPO-11087]	c23 N71-29125	sensing residual stresses	
Solid state remote circuit selecto	r switching	[NASA-CASE-XNP-02983]	c14 N71-21091
circuit		Manufacturing process for making p	erspiration
f NASA-CASE-LEW-103871	c09 N72-22201	resistant-stress resistant biopo	tential
Design and development of multicha	nnel laser	electrode	c05 N72+25120
remote control system using modu	lated	[NASA-CASE-MSC-90153-2]	CUS N/2-25120
helium-neon laser as transmitter	and light	RESILIENCE Compressible elastomeric material	with
collector as receiving antenna	-46 273-46536	predetermined modulus of elastic	itv and
[NASA-CASE-LAR-10311-1] Remotely controlled device for det	c16 N73-16536	controlled resiliency	,
changes in selected specimens	ección di mass	[NASA-CASE-NPO-10853]	c18 N70-34685
[NASA-CASE-MFS-21556-1]	c14 N73-20487	Automated ball rebound resilience	test equipment
REMOTE HANDLING		for determining viscoelastic pro	perties of
Remote handling device for mixing	or analyzing	polymers	
dangerous chemicals		[NASA-CASE-XLA-08254]	c14 N71-26161
[NA SA-CASE-LAR-10634-1]	c15 N72-21476	RESIN BONDING	
Manipulator for remote handling in	zero gravity	Procedure for bonding polytetraflu	oroetnyrene
environment	45 470 00405	thermal protective sleeves to ma conical shell components with di	fferent
	c15 N72-28495	thermal coefficients	TICLERE
REMOTE SENSORS		[NASA-CASE-XLA-01262]	c15 N71-21404
Passive optical wind and turbulence	ce remote	Silicon solar cell with plastic fi	
detection system	c20 N71-16340	cover glass	
[NASA-CASE-XMF-14032] Ionization control system design f	for monitoring	[NASA-CASE-LEW-11065-2]	c03 N73-26048
separately located ion gage pres	ssures on	RESINS	
vacuum chambers	321102 00	Modification of polyurethanes with	alkvl halide
[NASA-CASE-XLE-00787]			
	c14 N71-21090	resins, inorganic salts, and end	apsulated
Flow angle sensor and remote reado		volatile and reactive halogen for	apsulated
Flow angle sensor and remote readouse with cryogenic fluids	out system for	<pre>volatile and reactive halogen fo control</pre>	apsulated or fuel fire
Flow angle sensor and remote readouse with cryogenic fluids [NASA-CASE-XLE-04503]	out system for c14 N71-24864	<pre>volatile and reactive halogen fo control [NASA-CASE-ARC-10098-1]</pre>	apsulated or fuel fire c06 N71-2473
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for sy	out system for c14 N71-24864 ynchronizing	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding	apsulated or fuel fire c06 N71-2473 resinous body
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for st clocks at remote locations with	cut system for c14 N71-24864 ynchronizing master clock	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu	apsulated or fuel fire c06 N71-2473 g resinous body ares
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for states of the clocks at remote locations with using moon reflected coded signs.	cut system for c14 N71-24864 ynchronizing master clock als	<pre>volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357]</pre>	capsulated or fuel fire c06 N71-2473 resinous body ires c15 N73-1248
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for st clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143]	c14 N71-24864 ynchronizing master clock als c10 N71-26326	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu	capsulated or fuel fire c06 N71-2473 resinous body ires c15 N73-1248
Plow angle sensor and remote readd use with cryoqenic fluids [NASA-CASE-XLE-04503] Time synchronization system for standard colocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu (NASA-CASE-MSC-12357] Resin for protecting p-n semicondusurface	capsulated or fuel fire c06 N71-2473 resinous body ires c15 N73-1248
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for states of the clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clo	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1]	apsulated fr fuel fire c06 N71-2473; resinous body ires c15 N73-1248; ctor junction
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for stacks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubulence along flight path	cut system for c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures of the control of	apsulated or fuel fire c06 N71-2473; resinous body ires c15 N73-1248; ctor junction c18 N73-3053
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for standard colocks at remote locations with using moon reflected coded signal [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of cluturbulence along flight path [NASA-CASE-ERC-10081]	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1]	apsulated or fuel fire co6 N71-2473; resinous body ires c15 N73-1248; ctor junction c18 N73-3053
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for stall clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubulence along flight path [NASA-CASE-ERC-10081] Design and development of radiometrics and stall companies to the sign and development of radiometrics.	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-BRC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making presistant-stress resistant biopo electrode	apsulated or fuel fire c06 N71-2473; resinous body lies c15 N73-1248; actor junction c18 N73-3053 perspiration otential
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for statement of the synchronization system for statement of the synchronization system for statement of the synchronization system for statement of redictions with using moon reflected coded signation of the system of the syst	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe menvironment c14 N73-12455	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures of the control of	apsulated or fuel fire c06 N71-2473; resinous body ires c15 N73-1248; ctor junction c18 N73-3053 perspiration btential c05 N72-2512
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for stall clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubulence along flight path [NASA-CASE-ERC-10081] Design and development of radiometric steady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensur-	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 e efficiency in	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Hanufacturing process for making presistant-stress resistant biopole electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and locations of the control of the co	apsulated or fuel fire c06 N71-2473; gresinous body tres c15 N73-1248; ctor function c18 N73-3053 perspiration ptential c05 N72-2512 abrication
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for staclocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubulence along flight path [NASA-CASE-ERC-10081] Design and development of radiometric steady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensurations are sensing equipment to ensurations with the sensing equipment to ensurations are sensing equipment to ensurations are sensing equipment.	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 e efficiency in	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-BRC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant biopo electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ludevice, using oil-saturated leaf	apsulated or fuel fire c06 N71-2473; resinous body lives c15 N73-1248; actor junction c18 N73-3053 perspiration otential c05 N72-2512 abrication ther wiper
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XIE-04503] Time synchronization system for stacks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of cluturbulence along flight path [NASA-CASE-ERC-10081] Design and development of radiometric steady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensurumicrowave electric power transmeremote receiving stations	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe menvironment c14 N73-12455 e efficiency in ission to	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures for protecting personal surface [NASA-CASE-BRC-12357] Resin for protecting personal surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant bioped electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ladevice, using oil-saturated lead [NASA-CASE-KSC-10723-1]	apsulated or fuel fire c06 N71-2473; gresinous body tres c15 N73-1248; ctor function c18 N73-3053 perspiration ptential c05 N72-2512 abrication
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for stall clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubulence along flight path [NASA-CASE-ERC-10081] Design and development of radiomesteady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensurmicrowave electric power transmiremote receiving stations [NASA-CASE-MFS-21470-1]	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe menvironment c14 N73-12455 e efficiency in ission to c10 N73-20257	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Hanufacturing process for making presistant-stress resistant biopole electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ludevice, using oil-saturated leaf [NASA-CASE-KSC-10723-1] RESISTANCE HEATING	apsulated or fuel fire c06 N71-2473; resinous body les c15 N73-1248; ctor function c18 N73-3053 perspiration tential c05 N72-2512; dirication ther wiper c15 N73-2355
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for staclocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubrate turbulence along flight path [NASA-CASE-ERC-10081] Design and development of radiometric steady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensurations are sensing equipment to ensurations are sensing equipment to ensurations are sensing equipment to ensurate microwave electric power transmicrowave electric power transmicro	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 efficiency in ission to c10 N73-20257 on system for	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures for protecting personal surface [NASA-CASE-BRC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant bioped electrode [NASA-CASE-BSC-90153-2] Variable resistance tension and luderice, using oil-saturated leading the structure of the structure o	apsulated or fuel fire c06 N71-2473; resinous body les c15 N73-1248; ctor function c18 N73-3053 perspiration tential c05 N72-2512; dirication ther wiper c15 N73-2355
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XIE-04503] Time synchronization system for stacks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubriulence along flight path [NASA-CASE-BRC-10081] Design and development of radiometric steady state radiation in vacuum [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensuration of the sensing equipment to ensuration of electronic detection of electronic detection ensuration of electronic detection ensuration of electronic detection ensuration of electronic detection ensurations ensurations ensurations ensurations ensurations electronic detection detection ensuration ensuration ensurations ensuration ensurations ensurations ensurations ensurations ensuration ensurations ensuration	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 efficiency in ission to c10 N73-20257 on system for	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures for protecting personal surface [NASA-CASE-BRC-12357] Resin for protecting personal surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant bioped electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ladevice, using oil-saturated leader [NASA-CASE-KSC-10723-1] RESISTANCE BERTING High resistance cross flow heat enelectrothermal rocket engines	apsulated or fuel fire c06 N71-2473; resinous body ires c15 N73-1248; ctor junction c18 N73-3053 perspiration ptential c05 N72-2512 abrication ther wiper c15 N73-2355 schangers for
Flow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for state of the clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubelence along flight path [NASA-CASE-BRC-10081] Design and development of radiomesteady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensured in the companion of	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 e efficiency in ission to c10 N73-20257 on system for movement of	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant biopo electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ludevice, using oil-saturated leaf [NASA-CASE-KSC-10723-1] RESISTANCE HEATING High resistance cross flow heat enelectrothermal rocket engines [NASA-CASE-XLE-01783]	apsulated or fuel fire c06 N71-2473; resinous body les c15 N73-1248; ctor function c18 N73-3053 perspiration tential c05 N72-2512; dirication ther wiper c15 N73-2355
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for state clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of cluturbulence along flight path [NASA-CASE-ERC-10081] Design and development of radiomesteady state radiation in vacuus [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensurations remote receiving stations [NASA-CASE-MFS-21470-1] Development of electronic detections remotely determining number and enemy personnel [NASA-CASE-ARC-10097-2]	c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe m environment c14 N73-12455 efficiency in ission to c10 N73-20257 on system for	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures of process for bonding in cavities of honeycomb structures of the control of	apsulated or fuel fire c06 N71-2473; resinous body les c15 N73-1248; ctor junction c18 N73-3053 perspiration obtential c05 N72-2512; drication ther wiper c15 N73-2355 schangers for c28 N70-3417
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XIE-04503] Time synchronization system for syclocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubriulence along flight path [NASA-CASE-BRC-10081] Design and development of radiometric steady state radiation in vacuum [NASA-CASE-MFS-21108-1] Remote sensing equipment to ensuration of the sensing equipment to ensuration of the sensing equipment to ensurate microwave electric power transman remote receiving stations [NASA-CASE-MFS-21470-1] Development of electronic detection of electronic detection enemy personnel [NASA-CASE-ARC-10097-2] BEBOVAL	cut system for c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe menvironment c14 N73-12455 e efficiency in ission to c10 N73-20257 on system for movement of c07 N73-25160	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structu [NASA-CASE-MSC-12357] Resin for protecting p-n semicondu surface [NASA-CASE-ERC-10339-1] RESISTANCE Manufacturing process for making resistant-stress resistant biopo electrode [NASA-CASE-MSC-90153-2] Variable resistance tension and ludevice, using oil-saturated leaf [NASA-CASE-KSC-10723-1] RESISTANCE HEATING High resistance cross flow heat enelectrothermal rocket engines [NASA-CASE-XLE-01783]	apsulated or fuel fire c06 N71-2473; resinous body les c15 N73-1248; ctor junction c18 N73-3053 perspiration obtential c05 N72-2512; drication ther wiper c15 N73-2355 schangers for c28 N70-3417
Plow angle sensor and remote readd use with cryogenic fluids [NASA-CASE-XLE-04503] Time synchronization system for state of the clocks at remote locations with using moon reflected coded signs [NASA-CASE-NPO-10143] Development of radiometric sensor aircraft pilots of region of clubrate of the company	cut system for c14 N71-24864 ynchronizing master clock als c10 N71-26326 to warn ear air c14 N72-28437 ter to observe menvironment c14 N73-12455 e efficiency in ission to c10 N73-20257 on system for movement of c07 N73-25160	volatile and reactive halogen for control [NASA-CASE-ARC-10098-1] Development of process for bonding in cavities of honeycomb structures for honeycomb structures for honeycomb structures for protecting p-n semicondures for protecting p-n semicondures for protecting p-n semicondures for making process for making presistants for process for making presistant-stress resistant biopole for formal for the formal for	apsulated or fuel fire c06 N71-2473; resinous body ires c15 N73-1248; ctor junction c18 N73-3053 perspiration otential c05 N72-2512; abrication ther wiper c15 N73-2355 schangers for c28 N70-3417 n switches c07 N73-2310
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[NASA-CASE-XGS-04173] c19 N71-26674	[NASA-CASE-NPO-11433] C18 N71-31140 RUBBER COATINGS
Optical system for monitoring angular position of rotating mirror	Intumescent paint containing nitrile rubber for
[NASA-CASE-GSC-11353-1] c23 N72-27736	fire protection
ROTATING SHAFTS	[NASA-CASE-ARC-10196-1] c18 N73-13562
Fluid seal formed by flexible disk on rotating shaft to retain lubricating oils around shaft	RUBY LASERS Cooling and radiation protection of ruby lasers
[NASA-CASE-XLE-05130-2] c15 N71-19570	using copper sulfate solution in alcohol
Anemometer with braking mechanism to prevent	[NASA-CASE-MFS-20180] c16 N72-12440
rotation of wind driven elements (NASA-CASE-XMF-052241 c14 N71-23726	RUNWAY ALIGNMENT Magnetic method for detection of aircraft
[NASA-CASE-XMF-05224] c14 N71-23726 Electromagnetic braking arrangement for	position relative to runway
controlling rotor rotation in electric motor	[NASA-CASE-ARC-10179-1] c21 N72-22619
[NASA-CASE-XNP-06936] c15 N71-24695	RUNWAY LIGHTS
Liquid-vapor interface seal design for turbine rotating shafts including helical and	Retractable runway lights [NASA-CASE-XLA-00119] c11 N70-33329
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vapor	Knife structure for controlling rupture of shock
[NASA-CASE-XNP-02862-1] c15 N71-26294	tube diaphragms [NASA-CASE-XAC-00731] c11 N71-15960
Combination quide and rotary bearing for freely moving shaft	[HASA-CASE ARC 00/3/]
[NASA-CASE-XLA-00013] c15 N71-29136	S
Development of Hall effect transducer for	SAFETY DEVICES
converting mechanical shaft rotations into proportional electrical signals	Helmet and torso tiedown mechanism for
[NASA-CASE-LAR-10620-1] cc9 N72-25255	shortening pressure suits upon inflation
Spiral groove seal for rotating shaft	[NASA-CASE-XMS-00784] c05 N71-12335
[NASA-CASE-XLE-10326-4] c15 N72-27522	Positive locking check valve for stopping reversed flow
Bearing sectors for controlling self excited instability of journal bearing shafts rotating	[NASA-CASE-XMS-09310] c15 N71-22706
at high speeds in low viscosity lubricants	Description of protective device for providing
[NASA-CASE-LEW-11076-2] c15 N73-20533	safe operating conditions around work piece in machine or metal working tool
Digital servocontroller for rotating antenna shaft [NASA-CASE-KSC-10769-1] c09 N73-27153	[NASA-CASE-XLE-01092] c15 N71-22797
Development of optical system for detecting	velocity limiting safety system for motor driven
defective components in rotating machinery	research vehicle [NASA-CASE-XLA-07473] c15 N71-24895
with emphasis on bearing assemblies [NASA-CASE-KSC-10752-1] c15 N73-27407	[NASA-CASE-XLA-07473] c15 N71-24895 Device for generating and controlling combustion
[NASA-CASE-KSC-10752-1] c15 N73-27407 High speed, self-acting shaft seal	products for testing of fire detection system
[NASA-CASE-LEW-11274-1] c15 N73-29457	[NASA-CASE-GSC-11095-1] c14 N72-10375
ROTATION	Restraint torso for increased mobility and reduced physiological effects while wearing
Semilinear bearing comprising two rows of roller bearings separated by spherical bearings and	pressurized suits
permitting rotational and translational movement	[NASA-CASE-MSC-12397-1] CO5 N72-25119
[NASA-CASE-XLA-02809] c15 N71-22982	SALT BATHS Application techniques for protecting materials
Mechanical actuator wherein linear motion changes to rotational motion	during salt bath brazing
[NASA-CASE-XGS-04548] c15 N71-24045	[NASA-CASE-XLE-00046] c15 N70-33311
Positioning mechanism for converting translatory	SAMARIUM
motion into rotary motion [NASA-CASE-NPO-10679] c15 N72-21462	Gadolinium or samarium doped-silicon semiconductor material with resistance to
BOTOR BLADES (TURBONACHINERY)	radiation damage for use in solar cells
Locking device for retaining turbine rotor	[NASA-CASE-XLE-10715] c26 N71-23292
blades on turbine wheel [NASA-CASE-XNP-00816]	SAMPLERS Portable vacuum probe surface sampler for
[NASA-CASE-XNP-00816] c28 N71-28928 Blade vibration damping pins for turbomachinery	sampling large surface areas with relatively
[NASA-CASE-XLE-00155] c28 N71-29154	light loading densities of microorganisms
Transonic propulsion fan for turbofan engine	[NASA-CASE-LAR-10623-1] c14 N73-30395 SAMPLING
with rotor blade spacing designed to minimize noise emission	Impact bit for cutting, collecting, and storing
[NASA-CASE-LEW-11402-1] C28 N72-20770	samples such as lunar rock cuttings
BOTOR SPEED	
	[NASA-CASE-XNP-01412] c15 N70-42034
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crystals and output voltage magnitude proportional to rotor speed	Design and development of fluid sample collector [NASA-CASE-XMS-06767-1] c14 N71-20435 Design and development of two types of
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crystals and output voltage magnitude proportional to rotor speed [NASA-CASE-MFS-20385] c09 N71-24904 BOTORS	Design and development of fluid sample collector [NASA-CASE-XMS-06767-1] c14 N71-20435 Design and development of two types of atmosphere sampling chambers [NASA-CASE-NPO-11373] c13 N72-25323
crystals and output voltage magnitude proportional to rotor speed [NASA-CASE-MFS-20385] c09 N71-24904 ROTORS Multistage, multiple reentry, single rotor,	Design and development of fluid sample collector [NASA-CASE-XMS-06767-1] c14 N71-20435 Design and development of two types of atmosphere sampling chambers
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[NASA-CASE-XLA-03492] c15 N71-22713	Analog spatial maneuver computer with three output angles for obtaining desired spatial
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f NASA-CASE-XNP-05297 1 C15 N71-23811	[NASA-CASE-GSC-10880-1] c08 N72-11172
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[NASA-CASE-GSC-10555-1] C21 N71-27324 Method and apparatus for providing active	Linear sawtooth voltage wave generator with
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Inflation system for balloon type satellites [NASA-CASE-XGS-03351] c31 N71-16081	volumetric antenna pattern
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INASA-CASE-XMF-09386] c15 N69-21854 Sealed electric storage battery with gas	Manned space station launched in packaged
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[NASA-CASE-XMF-03290] c15 N71-23256	materials for outer space applications
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Signaling summary alarm circuit with	SENSORY PERCEPTION
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indications [NASA-CASE-XLE-03061-1] c10 N71-24798	[NASA-CASE-MFS-16570-1] COS N73-32013
Method for temperature compensating	SEPARATED FLOW
semiconductor gages by exposure to high energy	Thrust vector control by secondary injection of fluid into rocket nozzle flow field to
radiation rwasa-case-xLA-04555-11 c14 N71-25892	separate exhaust flow
[NASA-CASE-XLA-04555-1] c14 N71-25892 Development and characteristics of fluid	[NASA-CASE-XLE-00208] C28 N70-34294
oscillator analog to digital converter with	Double hinged flap for boundary layer control
variable frequency controlled by signal	over trailing edges of wings
passing through conditioning circuit	[NASA-CASE-XLA-01296] c02 N70-42016 Separation cell with permeable membranes for
[NASA-CASE-LEW-10345-1] c10 N71-25899	fluid mixture component separation
Volume displacement transducer for leak detection in hermetically sealed semiconductor	[NASA-CASE-XMS-02952] c18 N71-20742
devices	SEPARATORS
INASA-CASE-ERC-100331 C14 N71-26672	Condenser-separator for dehumidifying air utilizing sintered metal surface
Inverter drive circuit for semiconductor switch	[NASA-CASE-XLA-08645] C15 N69-21465
[NASA-CASE-LEW-10233] c10 N71-27126 Test chambers with orifice and helium mass	Umbilical separator for rockets
spectrometer for detecting leak rate of	[NASA-CASE-XNP-00425] c11 N7C+38202
encapsulated semiconductor devices	<pre>Liquid-qas separator adapted for use in zero qravity environment - drawings</pre>
[NASA-CASE-ERC-10150] C14 N71-28992	[NASA-CASE-XMS-01624] c15 N70-40062
Semiconductor device manufacture using refractory dielectrics as diffusant masks and	Describing apparatus for separating gas from
interconnection insulating materials	cryoqenic liquid under zero gravity and for
rnasa-case-xer-08476-11 c26 N72-17820	venting gas from fuel tank
Single crystal film semiconductor devices	[NASA-CASE-XLE-00586] c15 N71-15968 Liquid-qaseous centrifugal separator for
[NASA-CASE-ERC-10222]	weightlessness environment
Development of process for forming insulating layer between two electrical conductor or	[NASA-CASE-XLA-00415] C15 N71-16079
semiconductor materials	Development of liquid separating system using
CNASA_CASE_TRW=10489-11 C15 N72-25447	capillary device connected to flexible bladder storage chamber
Multiterminal Gunn-type semiconductor microwave	[NASA-CASE-XMS-13052] c14 N71-20427
qenerator for producing stable signals [NASA-CASE-XER-07895] c26 N72-25679	Vapor-liquid separator design with vapor driven
Miniature piezojunction semiconductor transducer	nump for separated liquid pumping for
with in situ stress coupling	application in propellant transfer
FNASA-CASE-RRC-10087-21 C14 N72-31446	[NASA-CASE-XMF-04042] c15 N71-23023 Centrifugal separator using lyophobic filter
Development and characteristics of hermetically	[NASA-CASE-LAR-10194-1] C12 N72-11293
sealed coarial package for containing microwave semiconductor components	Device for removing air from water for use in
CNASA-CASE-GSC-10791-11 C15 N73-14469	life support systems in manned space flight
photoconducting semiconductor system for	(MADE CHOS SEE CV.)
converting stored optical images into video	SEQUENCIEG Synchronous counter design incorporating
signals [NASA-CASE-NPO-13131-1] c16 N73-31467	cascaded binary stages driven by previous
CRATCONDUCTOR JUNCTIONS	stages and inputs through NAND gates
callium argenide solar cell preparation by	
curface deposition of cuprous iodide on thin	Pulse duration control device for driving slow response time loads in selected sequence
n-type polycrystalline layers and heating in	including switching and delay circuits and
iodine vapor [NASA-CASE-XNP-01960] c09 N71-23027	magnetic storage
Miniature electromechanical junction transducer	[NASA-CASE-XGS-04224] c10 N71-26418
operating on piezoiunction effect and	Digital function generator for generating any arbitrary single valued function
utilizing epoxy for stress coupling component	CNASA_CASE_NPO_111041 COS N/2+22165
[NASA-CASE-ERC-10087] c14 N71-27334 Resin for protecting p-n semiconductor junction	MOD 2 segmential function generator for multible
surface	sequence, with two-bit shift requster for each
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SEQUENTIAL ANALYSIS SUBJECT INDEX

pair of bits [NASA-CASE-NPO-10636] c08 N72-25210	SHAPTS (MACHINE ELEMENTS)
Linear shift register with feedback logic for	Fatique resistant shear pin with hollow shaft and two plugs
generating pseudonoise linear recurring binary	[NASA-CASE-XLA-09122] c15 N69-27505
sequences [NASA-CASE-NPO-114C6] c08 N73-12175	Radioactive source for encoding shaft position
SEQUENTIAL ANALYSIS	[NASA-CASE-GSC-10644-1] c14 N70-35583 Elastic universal joint for rocket motor mounting
Binary coded sequential acquisition ranging	[NASA-CASE-XNP-00416] C15 N70-36947
system for distance measurements [NASA-CASE-NPO-11194] c08 N72-25209	All brake device for absorbing and measuring
Event sequence detector with several input and	power from rotating shafts [NASA-CASE-XLE-00720] c14 N70-40201
shift register responsive to clock pulses	Two axis flight controller with potentiometer
[NASA-CASE-NPO-11703-1] c10 N73-32144 SEQUENTIAL CONTROL	control shafts directly coupled to rotatable
Linear three-tap feedback shift register	ball members [NASA-CASE-XFR-04104] c03 N70-42073
[NASA-CASE-NPO-10351] c08 N71-12503 Binary sequence detector with few memory	Ratchet mechanism for high speed operation at
elements and minimized logic circuit complexity	reduced backlash
[NASA-CASE-XNP-05415] C08 N71-12505	[NASA-CASE-MFS-12805] c15 N71-17805 Universal joints for connecting two displaced
SERVICE LIFE Service life of electromechanical device for	sharts or members
qenerating sine/cosine functions	[NASA-CASE-NPO-10646] c15 N71-28467
[NASA-CASE-LAR-10503-1] C09 N72-21248	Development of mating flat surfaces to inhibit leakage of fluid around shafts
SERVOAMPLIFIERS Pneumatic servoamplifier for controlling flow	[NASA-CASE-XLE-10326-21
regulation	Fatique life of hybrid antifriction bearings at ultrahigh speeds
[NASA-CASE-MSC-12121-1] c15 N71-27147	[NASA-CASE-LEW-11152-1] c15 N73-32359
SERVOCONTROL Electronic and mechanical scanning control	SHAPED CHARGES
system for monopulse tracking antenna	Coupling device for linear shaped charge for
[NASA-CASE-XGS-05582] CO7 N69-27460	space vehicle abort system [NASA-CASE-XLA-00189] c33 N70-36846
Proportional controller for regulating aircraft or spacecraft motion about three axes	Development of remotely controlled shaped charge
[NASA-CASE-XAC-03392] c03 N70-41954	IOI lateral displacement of rocket stages
Modulating and controlling intensity of light	[NASA-CASE-XLA-C4804] c31 N71-23008
beam from high temperature source by servocontrolled rotating cylinders	SHAPERS
[NASA-CASE-XMS-04300] CO9 N71-19479	Mandrel for shaping solid propellant rocket fuel into engine casing
Servocontrol system for measuring local stresses	f NASA-CASE-XLA-003041 c27 N70-34783
at geometric discontinuity in stressed material [NASA-CASE-XLA-08530]. c32 N71-25360	Hand tool for forming dimples and nipples on end
System to control speed of hydraulically movable	portion of tubes
members by limiting energy applied to	Dielectric apparatus for heating, fusing, and
actuators with hydraulic servo loop [NASA-CASE-ARC-16131-1] c15 N71-27754	nardening of organic matrix to form plastic
Digital servocontrol system for random noise	material into shaped product
excitation in reverberant acoustic chamber	SHARKS
[NASA-CASE-NPO-11623-1] c23 N72-25628 Digital servocontroller for rotating antenna shaft	Conditioning tanned sharkskin for use as
[NASA-CASE-KSC-10769-1]	abrasive resistant clothing [NASA-CASE-XMS-09691-1] c18 N71-15545
SERVONECHANISMS	SHEAR CREEP
Servo system for retroreflector of Michelson interferometer	Measuring shear-creep compliance of solid and
[NASA-CASE-NPO-10300] c14 N71-17662	liquid materials used in spacecraft components [NASA-CASE-XLE-01481]
nechanical function generators with	SHEAR FLOW
potentiometer as sensing element [NASA-CASE-XAC-00001] c15 N71-28952	Shear modulated fluid amplifier of high pressure
Closed loop servosystem for variable speed tape	hydraulic vortex amplifier type [NASA-CASE-MPS-10412] c12 N71-17578
recorders onboard spacecraft [NASA-CASE-NPO-10700]	SHEAR PROPERTIES
Characteristics of lightweight actuator for	Describing instrument capable of measuring true
imparting linear motion using elongated output	shear viscosity of liquids and viscoelastic materials
Shart	[NASA-CASE-XNP-09462] C14 N71-17584
NASA-CASE-NPO-11222] c15 N72-25456 Development and characteristics of rotary	SHEAR STRESS
actuator for use on spacecraft to deploy and	<pre>Patique resistant shear pin with hollow shaft and two plugs</pre>
support pivotal structures such as solar panels [NASA-CASE-NPO-10680] c31 N73-1885	[NASA-CASE-XLA-09122] C15 N69-27505
SERVONOTORS	Development of combined velocimeter and accelerometer based on color changes in liquid
Automatic closed circuit television arc quidance	crystalline material subjected to shear stresses
Control for welding joints [NASA-CASE-MFS-13046] C07 N71-19433	I NASA-CASE-ERC-102921 614 N72-25410
Electric motor control system with pulse width	Reduction of peak shear stress in bonded joint [NASA-CASE-LAR-10960-1] C15 N73-10499
modulation for providing automatic null	SHELLS (STRUCTURAL FORMS)
seeking servo [NASA-CASE-XMP-05195] c10 N71-24861	Channel-type shell construction for rocket
Development and characteristics of cyclically	engines and related configurations [NASA-CASE-XLE-00144]
operable, optical shutter for use as focal	SHIELDING
plane shutter for transmitting single radiation pulses	Flexible bellows joint shielding sleeve for
[NASA-CASE-NPO-10758] C14 N73-10027	propellant transfer pipelines
Development and characteristics of rotary	Shielded flat conductor cable of ribbonlike
actuator for use on spacecraft to deploy and support pivotal structures such as solar panels	wires laminates in thin flexible insulation
I NASA-CASE-NPO-10680] c31 N73-14855	[NASA-CASE-MFS-13687-2] CO9 N72-22198 SHIFT REGISTERS
SEWAGE Raw water sewage treatment	Binary to binary-coded decimal convertor using
[NASA-CASE-NPO-13224-1] c05 N73-31011	Single set of logic circuits notwithstanding
. 555 273-31011	number of shift register decades [NASA-CASE-XNP-00432] c08 N70-35423
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Linear three-tap feedback shift register	protection
[NASA-CASE-NPO-10351] CO8 N71-12503	[NASA-CASE-XLA-00482] c15 N70-36409
Computer circuit performing both counting and	Thermal shock resistant hafnia ceramic materials
shifting logic operations also capable of	[NASA-CASE-LAR-10894-1] c18 N73-14584
miniaturization and integration in basic	SHOCK TUBES
	Knife structure for controlling rupture of shock
circuits [NASA-CASE-XNP-01753]	tube diaphragms
	[NASA-CASE-XAC-00731]
Commutator for steering precisely controlled	
bidirectional currents through numerous loads	Design, development, and operation of shock tube
by use of magnetic core shift registers	with bypass piston tunnel
[NASA-CASE-NPO-10743] CO8 N72-21199	[NASA-CASE-NPO-12109] c11 N72-22245
Multistage feedback shift register with states	SHOCK WAVE INTERACTION
decomposable into cycles of equal length	Absorptive, nonreflecting barrier mounted
	between closely spaced jet engines on
	supersonic aircraft, for preventing shock wave
MOD 2 sequential function generator for multibit	
sequence, with two-bit shift register for each	interference
pair of bits	[NASA-CASE-XLA-02865] C28 N71-15563
[NASA-CASE-NPO-10636] CO8 N72-25210	SHOCK WAVE LUMINESCENCE
Linear shift register with feedback logic for	Method and apparatus for measuring shock layer
generating pseudonoise linear recurring binary	radiation distribution about high velocity
sequences	objects
	[NASA-CASE-XAC-02970] c14 N69-39896
[NASA-CASE-NPO-11406] c08 N73-12175	, ,
Family of m-ary linear feedback shift register	SHOCK WAVE PROFILES
with binary logic	Method and apparatus for measuring shock layer
[NASA-CASE-NPO-11868] c10 N73-20254	radiation distribution about high velocity
Nonrecursive counting digital filter containing	objects
shift register	[NASA-CASE-XAC-02970] c14 N69-39896
[NASA-CASE-NPO-11821-1] c08 N73-26175	SHOCK WAVES
Event sequence detector with several input and	Apparatus for mechanically dispersing ultrafine
	metal powders subjected to shock waves
shift register responsive to clock pulses	
[NASA-CASE-NPO-11703-1] c10 N73-32144	(
SHOCK ABSORBERS	Device for controlling terminal shock waves in
Pivotal shock absorbing assembly for use as load	supersonic inlets
distributing portion in landing gear systems	[NASA-CASE-LEW-11188-1] c02 N71-34017
of space vehicles	Electrical device for developing converging
[NASA-CASE-XMF-03856] c31 N70-34159	spherical shock waves
Energy dissipating shock absorbing system for	[NASA-CASE-MFS-20890] c14 N72-22439
	Development of technique and apparatus for
land payload recovery or vehicle braking	optically detonating insensitive high explosives
[NASA-CASE-XLA-00754] c15 N70-34850	
Shock absorbing couch for body support under	[NASA-CASE-NPO-11743-1] c33 N73-29959
high acceleration or deceleration forces	Production of intermetallic compounds by effect
[NASA-CASE-XMS-01240] C05 N70-35152	of shock waves from explosions and compaction
Low onset rate energy absorber in form of strut	of powder
assembly for crew couch of Apollo command module	[NASA-CASE-MFS-20861-1] c18 N73-32437
[NASA-CASE-MSC-12279-1] c15 N70-35679	SHORS
	Jet shoes for space locomotion
Landing pad assembly for aerospace vehicles	
[NASA-CASE-XMF-02853] c31 N70-36654	
Spacecraft shock absorbing system for soft	SHORT CIRCUITS
landings	Use of silicon controlled rectifier shorting
[NASA-CASE-XMF-02108] c31 N70-36845	circuit to protect thermoelectric generator
Shock absorber for landing gear of lunar or	source from thermal destruction
planetary landing modules	[NASA-CASE-XGS-04808] c03 N69-25146
	Vacuum thermionic converter with short-circuited
	triodes and increased electron transmission
Shock absorbing articulated multiple couch	
assembly	and conversion efficiency
	[NASA-CASE-XLE-01015] CO3 N69-39898
[NASA-CASE-MSC-11253] CO5 N71-12343	
	Apparatus for automatically testing analog to
Design and development of double acting shock	Apparatus for automatically testing analog to digital converters for open and short circuits
Design and development of double acting shock absorber for spacecraft dccking operations	
Design and development of double acting shock absorber for spacecraft dccking operations [NASA-CASE-XMS-03722] c15 N71-21530	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991
Design and development of double acting shock absorber for spacecraft docking operations [NASA-CASE-XMS-03722] Impact energy absorber with decreasing	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit
Design and development of double acting shock absorber for spacecraft dccking operations [NASA-CASE-XMS-03722] c15 N71-21530 Impact energy absorber with decreasing absorption rate	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit. [NASA-CASE-MPO-13160-1] c14 N73-23525
Design and development of double acting shock absorber for spacecraft docking operations [NASA-CASE-XMS-03722] Impact energy absorber with decreasing absorption rate [NASA-CASE-XIA-01530] c14 N71-23092	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit [NASA-CASE-NPO-13160-1] c14 N73-23525 SHORT TAKEOFF AIRCRAFT
Design and development of double acting shock absorber for spacecraft docking operations [NASA-CASE-XMS-03722] c15 N71-21530 Impact energy absorber with decreasing absorption rate [NASA-CASE-XLA-01530] c14 N71-23092 Shock absorber for supporting bearings subjected	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit [NASA-CASE-NPO-13160-1] c14 N73-23525 SHORT TAKEOFF AIRCRAFT Turbofans under wings to provide lift and thrust
Design and development of double acting shock absorber for spacecraft dccking operations [NASA-CASE-XMS-03722] Impact energy absorber with decreasing absorption rate [NASA-CASE-XLA-01530] Shock absorber for supporting bearings subjected to omnidirectional shock loading in high	digital converters for open and short circuits (NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit. (NASA-CASE-NPO-13160-1) c14 N73-23525 SHORT TAKEOFF AIRCRAFT Turbofans under wings to provide lift and thrust for STOL aircraft
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Design and development of double acting shock absorber for spacecraft dccking operations [NASA-CASE-XMS-03722] Impact energy absorber with decreasing absorption rate [NASA-CASE-XLA-01530] Shock absorber for supporting bearings subjected to omnidirectional shock loading in high	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit [NASA-CASE-NPO-13160-1] c14 N73-23525 SHORT TAKEOFF AIRCRAFT Turbofans under wings to provide lift and thrust for STOL aircraft [NASA-CASE-LEW-11224-1] c02 N72-10033 SHROUDS
Design and development of double acting shock absorber for spacecraft dccking operations [NASA-CASE-XMS-03722] c15 N71-21530 Impact energy absorber with decreasing absorption rate [NASA-CASE-XLA-01530] c14 N71-23092 Shock absorber for supporting bearings subjected to omnidirectional shock loading in high gravity environments [NASA-CASE-NPO-10626] c15 N72-15465	digital converters for open and short circuits [NASA-CASE-XLA-06713] c14 N71-28991 Failure detector for dc to ac inverter circuit. [NASA-CASE-NPO-13160-1] c14 N73-23525 SHORT TAKEOFF AIRCRAFT Turbofans under wings to provide lift and thrust for STOL aircraft [NASA-CASE-LEW-11224-1] c02 N72-10033 SHROUDS Shrouded composite propulsion system configuration
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Producing high purity silicon carbide on carbon	[NASA-CASE-XMF-02584] CC6 N71-20905
<pre>base by hydrogen reduction of silicon tetrachloride</pre>	Polyimide foams produced in presence of
[NASA-CASE-XLA-00158] c26 N70-36805	alkanolamine or siloxane-glycol polymer [NASA-CASE-ARC-10464-1] c06 N72-21102
Device for producing high purity silicon carbide	I NASA-CASE-ARC-10464-1] c06 N72-21102 Synthesis of siloxane containing epoxide and
on carbon base by hydrogen reduction of	diamine polymers
silicon tetrachloride	[NASA-CASE-MFS-13994-2] c06 N72-25148
[NASA-CASE-XLA-02057] c26 N70-40015 SILICON COMPOUNDS	Silphenylenesiloxane polymer with in-chain
Doping silicon material with gadolinium to	perfluoroalkyl groups
increase radiation resistance of solar cells	[NASA-CASE-MFS-20979] c06 N72-25151 Fluid polydimethylsiloxane resin with low
[NASA-CASE-XLE-027921 c26 N71-10607	outgassing properties in cured state
Process for preparing disilanols with in-chain	[NASA-CASE-GSC-11358-1] c06 N73-26100
perfluoroalkyl groups	Utilization of thiophenyl ether disiloxane and
[NASA-CASE-MFS-20979-2] CO6 N73-32030 SILICON CONTROLLED RECTIFIERS	trisiloxane as lubricant fluids in severe
Use of silicon controlled rectifier shorting	environment including space [NASA-CASE-MFS-22411-1] c15 N73-28532
circuit to protect thermoelectric generator	[NASA-CASE-MFS-22411-1] c15 N73-28532 SILVER
source from thermal destruction	Dry electrode manufacture, using silver powder
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with cement	CTGD DEMEDIATION
[NASA-CASE-FRC-10029-2] c05 N72-25121	SIZE DETERMINATION Impact measuring technique for determining size
SILVER CADMIUM BATTERIES	of hypervelocity projectiles
Cathodes made of sintered metal oxide and	[NASA-CASE-LAR-10913] C14 N72-16282
polymer matrix, for silver cadmium and silver zinc batteries	SIZE SEPARATION
[NASA-CASE-NPO-11157] c15 N70-22275	Method and apparatus for precision sizing and
SILVER CHLORIDES	joining of large diameter tubes by bulging or
Electrochemically reversible silver-silver	constricting overlapping ends [NASA-CASE-XMF-05114-2] c15 N71-26148
chloride electrode for detecting bioelectric	Device which separates and screens particles of
potential differences generated by human	soil samples for vidicon viewing in vacuum and
muscles and organs	reduced gravity environments
[NASA-CASE-XMS-02872] c05 N69-21925 Silver chloride use in technique for fusion	[NASA-CASE-XNP-09770-3] c11 N71-27036
bonding of graphite to silver, glass,	SIZING (SHAPING)
ceramics, and certain other metals	Method and apparatus for shaping and joining large diameter metal tubes using magnetomotive
[NASA-CASE-XGS-00963] c15 N69-39735	forces
SILVER COMPOUNDS	[NASA-CASE-XMF-05114] c15 N71-17650
Description of electrical equipment and system	SIZING SCREENS
for purification of waste water by producing silver ions for bacterial control	Method for making screen with unlimited fineness
[NASA-CASE-MSC-10960-1] c03 N71-24718	of mesh and screen thickness
SILVER ZINC BATTERIES	[NASA-CASE-XLE-00953] c15 N71-15966 Screen particle separator for soil samples
Cathodes made of sintered metal oxide and	[NASA-CASE-XNP-09770-2] c15 N72-22483
polymer matrix, for silver cadmium and silver	SKEWNESS
zinc batteries	Tape quidance system for multichannel digital
[NASA-CASE-NPO-11157] c15 N70-22275 Elimination of two step voltage discharge	recording system
property of silver zinc batteries by using	[NASA-CASE-XNP-09453] c08 N71-19420 SRID LANDINGS
divalent silver oxide capacity of cell to	Nose gear steering system for vehicles with main
charge anodes to monovalent silver state	skids to provide directional stability after
[NASA-CASE-XGS-01674] c03 N71-29129	loss of aerodynamic control
SIMULATORS	[NASA-CASE-XLA-01804] c02 N70-34160
Development of apparatus for simulating zero gravity conditions	SKIN (ANATOMY)
[NASA-CASE-MFS-12750] c27 N71-16223	Conditioning tanned sharkskin for use as
Phonocardiogram simulator producing electrical	abrasive resistant clothing [NASA-CASE-XMS-09691-1] c18 N71-15545
voltage waves to control amplitude and	(NASA-CASE-XMS-0969.1-1) c18 N71-15545 SKIN (STRUCTURAL MEMBER)
duration between simulated sounds	Development of resilient fastener for attaching
[NASA-CASE-XKS-10804] c05 N71-24606	skin of aerospace vehicles to permit movement
Sign wave generation simulator for variable amplitude, frequency, damping, and phase	of skin relative to framework
pulses for oscilloscope display	[NASA-CASE-XLA-01027] c31 N71-24035
[NASA-CASE-NPO-10251] c10 N71-27365	SKIN TEMPERATURE (NON-BIOLOGICAL) Heat flux sensor adapted for mounting on
SINE SERIES	aircraft or spacecraft to measure aerodynamic
Service life of electromechanical device for	heat flux inflow to aircraft skin
generating sine/cosine functions	[NASA-CASE-XFR-03802] c33 N71-23085
[NASA-CASE-LAR-10503-1] c09 N72-21248 Punction generators for producing complex	SKIRTS
vibration mode patterns used to identify	Inflatable rocket engine nozzle skirt with
vibration mode data	transpiration cooling [NASA-CASE-MFS-20619] c28 N72-11708
[NASA-CASE-LAR-10310-1] c10 N73-20253	[NASA-CASE-MFS-20619]
SINE WAVES	Development of apparatus and method for
Sign wave generation simulator for variable	quantitatively measuring brain activity as
amplitude, frequency, damping, and phase pulses for oscilloscope display	automatic indication of sleep state and level
[NASA-CASE-NPO-10251] c10 N71-27365	of consciousness
Wideband generator for producing sine wave	[NASA-CASE-MSC-13282-1]
quadrature and second harmonic of input signal	Nonreuseable energy absorbing device comprising
[NASA-CASE-NPO-11133] C10 N72-20223	ring member with plurality of recesses,
Brushless electromechanical generator for sine	cutting members, and quide member mounted in
and cosine functions [NASA-CASE-LAR-11389-1] c09 N73-32121	each recess
[NASA-CASE-LAR-11389-1] C09 N73-32121 SINGLE CRYSTALS	[NASA-CASE-XMF-10040] c15 N71-22877
Producing high purity silicon carbide on carbon	Tool exchange capabilities of portable wrench characterized by telescopic sleeve
base by hydrogen reduction of silicon	[NASA-CASE-MFS-22283-1] c15 N73-30462
tetrachloride	SLENDER BODIES
[NASA-CASE-XLA-00158] c26 N70-36805 Single crystal film semiconductor devices	Support techniques for restraint of slender
[NASA-CASE-ERC-10222] c09 N72-22199	bodies such as launch vehicles
Development and characteristics of magnetometer	(NASA-CASE-XLA-02704) c11 N69-21540 SLIDING CONTACT
with single Bi2Se3 crystal as sensing element	Electrical connector pin with wiping action to
[NASA-CASE-LEW-11632-1] c14 N72-25440	assure reliable contact
SINTERING	[NASA-CASE-XMF-04238] COQ N69-3073#
Condenser-separator for dehumidifying air	Development of slip ring assembly with inner and
utilizing sintered metal surface [NASA-CASE-XLA-08645] c15 N69-21465	outer peripheral surfaces used as electrical
Production of refractory bodies with controlled	contacts for brushes
porosity by pressing and heating mixtures of	I MASA-CASE-XMF-01049] c15 N71-23049 SLIP CASTING
refractory and inert metal powders	Freeze casting of metal ceramic and refractory
[NASA-CASE-LEW-10393-1] c17 N71-15468	compound powders into plastic slips
Development of method for fabricating cermets	[NASA-CASE-XLE-00106] C15 N71-16076
and analysis of various compositions to show electrical and physical properties	SLITS
[NASA-CASE-NPO-13120-1] c18 N73-23629	Slit regulated gas journal bearing
SIZE (DIMENSIONS)	[NASA-CASE-XNP-G0476] c15 N70-38620
Development of apparatus for producing metal	Procedure for fabricating element with cavity closed by thin wall with precisely shaped slit
powder particles of controlled size	[NASA-CASE-LAR-10409-1] c15 N73-20526
[NASA-CASE-XLE-06461-2] c17 N72-28535	,,
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SUBJECT INDEX SLOT ANTENNAS

SLOT ANTENNAS	Development of solar energy powered heliotrope assembly to orient solar array toward sun
Planar array circularly polarized antenna with wall slot excitation	[NASA-CASE-GSC-10945-1] c21 N72-31637
[NASA-CASE-NPO-103C1] CO7 N72-11148	SOLAR CELLS
Omnidirectional antenna array with circumferential slots for mounting on	Fabricating solar cells with dielectric layers to improve glass fusion
cylindrical space vehicle	[NASA-CASE-XGS-04531] c03 N69-24267
[NASA-CASE-LAR-10163-1] CO9 N72-25247	Solar radiation direction detector and device for compensating degradation of photocells
Circularly polarized antenna with linearly polarized pair of elements	[NASA-CASE-XLA-00183] C14 N70-40239
[NASA-CASE-ERC-10214] c09 N72-31235	Attitude control system for spacecraft based on
Turnstile slot antenna system for spacecraft or	conversion of incident solar radiation on
missile telemetry and command control	movable control surfaces into mechanical torques [NASA-CASE-XNP-02982] c31 N70-41855
[NASA-CASE-GSC-11428-1] c09 N73-11206	[NASA-CASE-XNP-02982] c31 N70-41855 Simulating voltage-current characteristic curves
SLOTS Belleville spring assembly with elastic guides	of solar cell panel with different operational
having low hysteresis	parameters
[NASA-CASE-XNP-09452] c15 N69-27504	[NASA-CASE-XMS-01554] c10 N71-10578 Doping silicon material with gadolinium to
Direct lift control system having flaps with slots adjacent to their leading edge and	increase radiation resistance of solar cells
particularly adapted for lightweight aircraft	[NASA-CASE-XLE-02792] & c26 N71-10607
[NASA-CASE-LAR-10249-1] CO2 N71-26110	Modifying existing solar cells for temperature
Slotted fine-adjustment support for optical	control [NASA-CASE-NPO-10109] c03 N71-11049
devices [NASA-CASE-MFS-20249] c15 N72-11386	Solar battery with interconnecting means for
SLURRY PROPELLANTS	plural cells
Apparatus for producing hydrocarbon slurry	[NASA-CASE-XNP-06506]
containing small particles of magnesium for	Fabrication methods for matrices of solar cell submodules
use as jet aircraft fuel [NASA-CASE-XLE-00010] c15 N70-33382	[NASA-CASE-XNP-05821] c03 N71-11056
SHOKE	Metal strip mounting arrangement for solar cell
Development of method for protecting large and	arrays on spacecraft [NASA-CASE-XGS-01475]
oddly shaped areas from radiant and convective	[NASA-CASE-XGS-01475] c03 N71-11058 Conductor for connecting parallel cells into
heat [NASA-CASE-XNP-01310] c33 N71-28852	submodules in series to form solar cell matrix
SODIUM CHLORIDES	[NASA-CASE-NPO-10821] CO3 N71-19545
Composition of diffuse reflective coating	Space erectable rollup solar array of arcuate solar panels furled on tapered drum for
containing sodium chloride in combination with	spacecraft storage during launch
diol solvent and organic wetting and drying agents	[NASA-CASE-NPO-10188] C03 N71-20273
[NASA-CASE-GSC-11214-1] c06 N73-13128	Electrode connection for n-on-p silicon solar cell
SOFT LANDING	[NASA-CASE-XLE-04787] c03 N71-20492
Non-reusable kinetic energy absorber for application in soft landing of space vehicles	Fabrication of solar cell banks for attaching solar cells to base members or substrates
[NASA-CASE-XLE-00810] c15 N70-34861	[NASA-CASE-XNP-00826] c03 N71-20895
Spacecraft shock absorbing system for soft	Gallium arsenide solar cell preparation by
landings	surface deposition of cuprous iodide on thin n-type polycrystalline layers and heating in
[NASA-CASE-XMF-02108] c31 N70-36845 Payload soft landing system using stowable gas bag	iodine vapor
[NASA-CASE-XLA-09881] C31 N71-16085	[NASA-CASE-XNP-01960] CO9 N71-23027
SOFT LANDING SPACECRAFT	Gadolinium or samarium doped-silicon
Pivotal shock absorbing assembly for use as load	semiconductor material with resistance to radiation damage for use in solar cells
<pre>distributing portion in landing qear systems of space vehicles</pre>	[NASA-CASE-XLE-10715] C26 N71-23292
[NASA-CASE-XMF-03856] c31 N70-34159	Maintaining current flow through solar cells
SOIL SCIENCE	with open connection using shunting diode
Auger-type soil penetrometer for burrowing into	[NASA-CASE-XLE-04535] CO3 N71-23354 Metal pattern bonding technique for cover glass
soil formations [NASA-CASE-XNP-05530] c14 N73-32321	attachment to silicon solar cells for space
SOILS	applications
Method and apparatus for obtaining oxygen from	[NASA-CASE-XLE-08569] CO3 N71-23449 Addition of group 3 elements to silicon
soils containing metal oxides [NASA-CASE-MSC-12408-1] c13 N72-20355	semiconductor material for increased
Penetrometer for empirically determining	resistance to radiation damage in solar cells
load-bearing characteristics of inclined	[NASA-CASE-XLE-02798]
surfaces of remotely located bodies of soil	Method of attaching cover glass to silicon solar cell without using adhesive
[NASA-CASE-NPO-11103] c14 N72-21406 Screen particle separator for soil samples	[NASA-CASE-XLE-08569-2] c03 N71-24681
[NASA-CASE-XNP-09770-2] c15 N72-22483	Method and apparatus for fabricating solar cell
Soil burrowing mole apparatus	panels (NASA-CASE-XNP-03413) C03 N71-26726
[NASA-CASE-XNP-07169] c15 N73-32362 SOLAR ACTIVITY	Heat sealable transparent plastic film for
Computation method and apparatus for predicting	mounting solar cell array to flexible substrate
solar flares by correlating planetary	[NASA-CASE-LEW-11069-1]
ephemeris data with gravitational force	Development and characteristics of solar cells with phosphors in cover glass to improve
effects on sun [NASA-CASE-ERC-10323-1] c30 N70-22183	response to solar ultraviolet radiation
Radiometric measuring system for solar activity	[NASA-CASE-ARC-10050] c03 N71-33409
and atmospheric attenuation and emission	Electrically coupled individually eucapsulated solar cell matrix
[NASA-CASE-ERC-10276] C14 N73-26432	[NASA-CASE-NPO-11190] CO3 N71-34044
SOLAR ARRAYS Deployable cantilever support for deploying	Recovering efficiency of solar cells damaged by
solar cell arrays aboard spacecraft and	environmental radiation through thermal
reducing transient loading	annealing [NASA-CASE-XGS-04047-2]
[NASA-CASE-NPO-16883] c31 N72-22874 Electrical interconnection of unilluminated	Transparent plastic film for attaching cover
solar cells in solar battery array	glasses to silicon solar cells
[NASA-CASE-GSC-10344-1] c03 N72-27053	[NASA-CASE-LEW-11065-1] c03 N72-11064

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SUBJECT INDEX SOLENOID VALVES

Spacecraft solar cell system with switching	SOLAR RADIO EMISSION
circuit to provide compensation for	System generating sidereal frequency signals
environmental changes [NASA-CASE-GSC-10669-1] c03 N72-20031	from signals of standard solar frequency
Test method and equipment for identifying faulty	without use of mixing operations or feedback loops
cells or connections in solar cell assemblies	[NASA-CASE-XGS-G2610] C14 N71-23174
[NASA-CASE-NPO-10401] c03 N72-20033	SOLAR REPLECTORS
Electrically connected matrix of discrete solar cell blanks	Foldable, double cone and parabolic reflector
[NASA-CASE-NPO-10591] c03 N72-22041	system for solar ray concentration [NASA-CASE-XLA-04622] c03 N70-41580
Solar cell panel with light transmitting cover	Modifying existing solar cells for temperature
plate [NASA-CASE-NPO-10747]	control
Development of process for constructing	[NASA-CASE-NPO-10109] c03 N71-11049 Fabrication of curved reflector segments for
protective covers for solar cells	solar mirror
[NASA-CASE-GSC-11514-1] c03 N72-24037	[NASA-CASE-XLE-08917] c15 N71-15597
Apparatus for applying thin glass slides to solar cells	Thermal pump-compressor for converting solar
[NASA-CASE-NPO+10575] c03 N72-25019	energy [NASA-CASE-XLA-00377] c33 N71-17610
Electrical interconnection of unilluminated	Forming mold for polishing and machining curved
solar cells in solar battery array [NASA-CASE-GSC-10344-1]	solar magnesium reflector with reinforcing ribs
[NASA-CASE-GSC-10344-1] c03 N72-27053 Rectangular solar cell stacked panels to	[NASA-CASE-XLE-08917-2] c15 N71-24836 Inorganic thermal control and solar reflector
generate electrical power aboard spacecraft	coatings
[NASA-CASE-NPO-11771] c03 N73-20040	[NASA-CASE-MFS-20011] c18 N72-22566
Graded band gap p-n junction gallium arsenide/gallium aluminum arsenide solar cell	SOLAR SENSORS
[NASA-CASE-LAR-11174-1] c03 N73-26047	Sensor consisting of photocells mounted on pyramidical base for improved pointing
Silicon solar cell with plastic film binding to	accuracy of planetary trackers
cover glass [NASA-CASE-LEW-11065-2] c03 N73-26048	[NASA-CASE-XNP-04180] c07 N69-39736
SOLAR COLLECTORS	Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuator.
Expanding and contracting connector strip for	[NASA-CASE-XNP-00465] c21 N70-35395
solar cell array of Nimbus satellite [NASA-CASE-XGS-01395] c03 N69-21539	Sun tracker with rotatable plane-parallel plate
Concentrator device for controlling direction of	and two photocells [NASA-CASE-XGS-01159] C21 N71-10678
solar energy onto energy converters	Solar sensor with coarse and fine sensing
[NASA-CASE-XLE-01716] c09 N70-40234 Space erectable rollup solar array of arcuate	elements for matching preirradiated cells on
solar panels furled on tapered drum for	degradation rates [NASA-CASE-XLA-01584] c14 N71-23269
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[NASA-CASE-NPO-10188] c03 N71-20273 Storage stable, thermally activated foaming	Optical system for increasing light beam
compositions for erecting and rigidizing	intensity within solar simulators [NASA-CASE-NPO-11096] c11 N70-25959
mechanisms of thin sheet solar collectors	Lens assembly for solar furnace or solar simulator
[NASA-CASE-LAR-10373-1] c18 N71-26155	[NASA-CASE-XNP-04111] c14 N71-15622
Development and characteristics of solar cells with phosphors in cover glass to improve	Nonconsumable metal electric arc electrodes for
response to solar ultraviolet radiation`	producing solar simulator radiation source [NASA-CASE-LEW-11162-1] c09 N71-34210
[NASA-CASE-ARC-10050] c03 N71-33409	SOLDERED JOINTS
SOLAR ENERGY Rectangular solar cell stacked panels to	Soldering device particularly suited to making
generate electrical power aboard spacecraft	high quality wiring joints for aerospace engineering utilizing capillary attraction to
[NASA-CASE-NPO-11771] c03 N73-20040	regulate flow of solder
SOLAR FURNACES Lens assembly for solar furnace or solar simulator	[NASA-CASE-XLA-08911] c15 N71-27214
[NASA-CASE-XNP-04111] c14 N71-15622	SOLDERING Hydrazine monoperfluoro alkanoate solder flux
SOLAR GENERATORS	leaving corrosion resistant coating, for
Describing method for vapor deposition of qallium arsenide films to manganese substrates	metals such as copper
to provide semiconductor devices with low	[NASA-CASE-XNP-03459-2] c18 N71-15688 Metal soldering with hydrazine monoperfluoro
resistance substrates	alkanoate for corrosion resistant coatings
[NASA-CASE-XNP-01328] c26 N71-18064 SOLAR GRAVITATION	[NASA-CASE-XNP-03459]
Table structure and rotating magnet system	Method of plating copper on aluminum to permit conventional soldering of structural aluminum
simulating gravitational forces on spacecraft	bodies
and displaying trajectories between Earth, Venus, and Mercury	[NASA-CASE-XLA-08966-1] c17 N71-25903
[NASA-CASE-XNP-00708] c14 N70-35394	Device for resistance soldering electrical leads
SOLAR OBSERVATORIES	to solder cups of multiple terminal block [NASA-CASE-GSC-10913] c15 N72-22491
Light sensitive control system for automatically	Development of electrical system for indicating
opening and closing dome of solar optical telescope	optimum contact between electrode and metal
[NASA-CASE-MSC-10966] c14 N71-19568	surface to permit improved soldering operation [NASA-CASE-KSC-10242] c15 N72-23497
SOLAR RADIATION	SOLDERS
Space simulator with uniform test region radiation distribution, adapted to simulate	Solder coating process for printed copper
Venus solar radiations	circuit protection [NASA-CASE-XMF-01599] c09 N71-20705
[NASA-CASE-XNP-00459] c11 N70-38675	[NASA-CASE-XMF-01599] c09 N71-20705 SOLENOID VALVES
Design and characteristics of device for sensing solar radiation and providing spacecraft	Solemoid two-step valve for bipropellant flow
attitude control to maintain direction with	rate control to rocket engine
respect to incident radiation	[NASA-CASE-XMS-04890-1] c15 N70-22192 Automatic recording McLeod gage with three
[NASA-CASE-XNP-05535] c14 N71-23040	electrodes and solenoid valve connection
Utilization of solar radiation by solar still for converting salt and brackish water into	[NASA-CASE-XLE-03280] c14 N71-23093
potable water	Solenoid valve including quide for armature and valve member
[NASA-CASE-XMS-04533] c15 N71-23086	[NASA-CASE-GSC-10607-1] c15 N72-20442

Automatically operable self-leveling load table with plurality of solenoid valves
[NASA-CASE-MFS-22C39-1] C14 N73-3C428
SOLENOIDS
water cooled solenoid capable of producing
magnetic field intensities up to 100 kilogauss
[NASA-CASE-XNP-01951] CC9 N70-41929 Automatic power supply circuit design for
driving inductive loads and minimizing power
consumption including solenoid example
rnasa_case_npo=107161
Development of rotary solenoid shutter drive
assembly and inertia damper for use with
cameras mounted in satellites [NASA-CASE-GSC-11560-1] c09 N73-26198
SOLID LUBRICANTS
Bonded solid lubricant coatings of calcium
fluoride and binder for high temperature
stability
[NASA-CASE-XMS-00259] c18 N70-36400 Solid lubricant applied to porous roller
bearings prior to use in ultrahigh vacuum
FNASA_CASE_Y1F=095271 C15 N/1=1/688
Preparation of inorganic solid film lubricants
with long wear life and stability in aerospace
environments [NaSa-CASE-XMF-03988]
[NASA-CASE-XMF-03988] c15 N71-21403 Development of rolling element bearing for
operation in ultrahigh vacuum environment
[NASA-CASE-XLF-09527-2] c15 N71-26189
SOLID PROPELLANT IGNITION
Solid propellant ignition with hypergolic fluid
injected to predetermined portions of propellant [NASA-CASE-XLE-00267] c28 N70-33375
Method for igniting solid propellant rocket
motors by injecting hypergolic fluids
[NASA-CASE-XLE-01988] C27 N71-15634
SOLID PROPELLANT ROCKET ENGINES
Spherical solid propellant rocket engine design
[NASA-CASE-XLA-00105] c28 N70-33331 Mandrel for shaping solid propellant rocket fuel
into engine casing
[NASA-CASE-XLA-00304] C27 N70-34783
Spherical solid propellant rocket engine having
- bear to bump out
abrupt burnout
[NASA-CASE-XHQ-01897] C28 N70-35381
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] c27 N70-35534
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus
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[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645
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[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] Electrical failure detector in solid rocket propellant motor insulation against thermal
[NASA-CASE-XHQ-01897] C28 N70-35381 Grain confiquration for solid propellant rocket enqines [NASA-CASE-XGS-03556] C27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] C28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] C28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] C28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-04126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XKE-03968] c14 N71-27186
[NASA-CASE-XHQ-01897] C28 N70-35381 Grain confiquration for solid propellant rocket enqines [NASA-CASE-XGS-03556] C27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] C28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] C28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] C28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XLA-03968] C14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of
[NASA-CASE-XHQ-01897] C28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] C27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] C28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] C28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] C28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XLA-03968] Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit
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[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHF-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining hurning of propellant below normal combustion limit [NASA-CASE-NEO-11559] c28 N71-34949 Solid propellant rocket engine with venting
[NASA-CASE-XHQ-01897]
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHF-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining hurning of propellant below normal combustion limit [NASA-CASE-NEO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NNF-03282] c28 N72-20758 Thin walled nozzle with insulative nonablative
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[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHP-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-XNP-03262] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup
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[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket engines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHA-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NPO-03282] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELIANTS
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-04126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHF-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-XNP-03282] Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELLANTS Variable thrust ion engine using thermal
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHF-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining hurning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NPO-11559] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engine [NASA-CASE-NPO-11559] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELLANTS Variable thrust ion engine using thermal decomposition of solid cesium compound to
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHA-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NPO-3282] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELIANTS Variable thrust ion engine using thermal decomposition of solid cesium compound to produce propulsive vapor
[NASA-CASE-XHQ-01897] C28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] C27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] C28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XH-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NPO-03282] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELLANTS Variable thrust ion engine using thermal decomposition of solid cesium compound to produce propulsive vapor [NASA-CASE-NPO-0923] Photographic method for measuring viscoelastic
[NASA-CASE-XHQ-01897] c28 N70-35381 Grain configuration for solid propellant rocket enqines [NASA-CASE-XGS-03556] c27 N70-35534 Solid propellant rocket vehicle thrust control method and apparatus [NASA-CASE-XNP-00217] c28 N70-38181 Steerable solid propellant rocket motor adapted to effect payload orientation as multistage rocket stage or reduce velocity as retrorocket [NASA-CASE-XNP-00234] c28 N70-38645 Method of making solid propellant rocket motor having reliable high altitude capabilities, long shelf life, and capable of firing with nozzle closure with foamed plastic permanent mandrel [NASA-CASE-XLA-C4126] c28 N71-26779 Electrical failure detector in solid rocket propellant motor insulation against thermal degradation by fuel grain [NASA-CASE-XHA-03968] c14 N71-27186 Solid propellant rocket motor with igniter operating in vacuum and sustaining burning of propellant below normal combustion limit [NASA-CASE-NPO-11559] c28 N71-34949 Solid propellant rocket engine with venting system to control effective nozzle throat area [NASA-CASE-NPO-3282] c28 N72-20758 Thin walled nozzle with insulative nonablative coating for solid propellant rocket engines [NASA-CASE-NPO-11458] c28 N72-23810 Characteristics of solid propellant rocket engine with controlled rate of thrust buildup operating in vacuum environment [NASA-CASE-NPO-11559] c28 N73-24784 SOLID PROPELIANTS Variable thrust ion engine using thermal decomposition of solid cesium compound to produce propulsive vapor

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Ethylene oxide sterilization and encapsulating
      process for sterile preservation of instruments and solid propellants
   Chemical process for production of polyischutylog
      polyisobutylene compounds and application as
      solid rocket propellant binder
[NASA-CASE-NPO-10893]
                                                  c27 N73-22710
SOLID ROCKET BINDERS
   Liner for hybrid solid propellants to bind propellant to rocket motor case
      [ NASA-CASE-XNP-09744 ]
                                                  c27 N71-16392
SOLID ROCKET PROPELLANTS
   Using ethylene oxide in preparation of 
sterilized solid rocket propellants and
      encapsulating materials
      [NASA-CASE-XNP-01749]
   Pressurized qas injection for burning rate control of solid propellants
      [NASA-CASE-XLE-03494]
                                                   c27 N71-21819
    Solid propellant stabilizer containing
      nitroquanidine
[NASA-CASE-NPO-12000]
                                                   c27 N72-25699
    Solid propellant containing hydrazinium
      nitroformate oxidizer and polymeric
      hydrocarbon binder [NASA-CASE-NPO-12015]
                                                   c27 N73-16764
    Utilization of inorganic metal-oxidizer
      materials in solid rocket propellants resulting in increased combustion efficiency
      [ NASA-CASE-NPO-11975-1]
                                                   c27 N73-17802
SOLID STATE
    Solid state chemical source for ammonia beam
      masers
      [ NASA-CASE-XGS-01504]
                                                   c16 N70-41578
SOLID STATE DEVICES
    Solid state switching circuit design to increase current capacity of low rated relay contacts [NASA-CASE-XNP-09228] c09 N69-27500
                                                   c09 N69-27500
    Temperature compensated solid state differential
       amplifier with application in
      bioinstrumentation circuits
[NASA-CASE-XAC-00435]
                                                   c09 N70-35440
    Solid state device for mapping flux and power in
       nuclear reactor cores [NASA-CASE-XLE-00301]
    Solid state operational integrator
                                                   c09 N71-12520
       [ NASA-CASE-NPO-10230 ]
    Microwave power receiving antenna solving heat
       dissipation problems by construction of elements as heat pipe devices
       [ NASA-CASE-MFS-20333]
                                                   c09 N71-13486
    Computer circuit performing both counting and shifting logic operations also capable of
       miniaturization and integration in basic
       circuits
                                                   c08 N71-22897
       [NASA-CASE-XNP-01753]
     Solid state television camera system consisting
       of monolithic semiconductor mosaic sensor and
       molecular digital readout systems
       [NASA-CASE-XMF-06092]
                                                   c07 N71-24612
     Solid state circuit for switching alternating
       current input signal as function of direct
       current gating transistor
[NASA-CASE-XNP-06505]
     Solid state force measuring electromechanical
       transducers made of piezoresistive materials
     [NASA-CASE-ERC-10088] c26 N71-25490
Development and characteristics of solid state
acoustic variable time delay line using direct
                                                  c26 N71-25490
       current voltage and radio frequency pulses
[NASA-CASE-ERC-10032] c10 N71-25900
       [ NASA-CASE-ERC-10032 ]
     Solid state broadband stable power amplifier
       [NASA-CASE-XNP-10854]
     Solid state fullwave modulator-demodulator
       amplifier for generating rectified output signal [NASA-CASE-FRC-10072-1] c09 N72-15206
     Solid state remote circuit selector switching
        circuit
     [NASA-CASE-LEW-10387]
Radio frequency controlled solid state switch
[NASA-CASE-ARC-10136-1] c09 N72-2:
Development of thermal to electric power
                                                    c09 N72-22201
                                                    c09 N72-22202
        conversion system using solid state switches
        of electrical currents to load for Seebeck
        effect compensation
        [NASA-CASE-NPO-11388]
                                                    c03 N72-23048
     Solid state switch for variable circuit switching [NASA-CASE-NPO-10817-1] c08 N73-30135
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SOLID SUBPACES	[NASA-CASE-XMS-01554] c10 N71-10578
Dye penetrant and technique for nondestructive tests of solid surfaces contacted by liquid	Method and feed system for separating and
oxygen	orienting liquid and vapor phases of liquid propellants in zero gravity environment
[NASA-CASE-XMF-02221] c18 N71-27170 SOLUBILITY	' NASA-CASE-XLE-01182 C27 N71_15635
Fireproof potassium silicate coating	Cable suspension and inclined walkway system for simulating reduced or zero gravity environments
composition, insoluble in water after application	I NADA-CASE-XLA-017871
[NASA-CASE-GSC-10072] c18 N71-14014 SOLUTES	Space environment simulation system for measuring spacecraft electric field strength
Specific wavelength colorimeter for measuring	14 plasma sheath
given solute concentration in test sample	[NASA-CASE-XLE-02038] C09 N71-16086 Optical characteristics measuring apparatus
[NASA-CASE-MSC-14081-1] c14 N73-18443 SOLVENTS	NASA-CASE-XNP-088401 623 N74-46366
Chemical synthesis of formaldehyde based	Omnidirectional anisotropic molecular trap, used with vacuum pump to simulate space
disinfectants without penetrating odor and eye and ear irritation properties	environments for testing spacecraft components
[NASA-CASE-NPO-12115-1] c06 N73-17153	I MADATUADET XGS+00 /83 I 620 x74 47700
SONIC BOOMS Jet aircraft noise and sonic boom measuring	or space suit mounted to vacuum chamber wall
device which converts sound pressure into	[NASA-CASE-XMF-07488] c11 N71-18773 Low and zero gravity simulator for astronaut
electric current [NASA-CASE-LAR-11173-1] c14 N73-22387	training
SOUND GENERATORS	[NASA-CASE-MFS-10555] c11 N71-19494 Self lubricating fluoride-metal composite
Underwater recovery assembly for ejectable sound source mounted on mobile device	materials for outer space applications
[NASA-CASE-LAR-10595-1] c15 N72-31493	I NASA-CASE-XLE-085111
SOUND PRESSURE Jet aircraft noise and sonic boom measuring	autolgnition of materials used in spacegraft
device which converts sound pressure into	under controlled environmental conditions
electric current [NASA-CASE-LAR-11173-1] c14 N73-22387	Illumination system design for use as suplicht
SOUND TRANSDUCERS	simulator in space environment simulators with multiple light sources reflected to single
Method and transducer device for detecting presence of hydrogen gas	Virtual source
[NASA-CASE-XMF-03873] CO6 N69-39733	[NASA-CASE-HQN-10781] c23 N71-30292 Pressure regulator for space suit worn
Sensor for detecting and measuring energy, velocity and direction of travel of a cosmic	underwater to simulate space environment for
dust particle	testing and experimentation
[NASA-CASE-GSC-10503-1] c14 N72-20381	SPACE ERECTABLE STRUCTURES
Piezoelectric transducer for monitoring sound	Self-erectable space structures of flexible foam for application in planetary orbits
waves of physiological origin [NASA-CASE-XMS-05365] c14 N71-22993	NASA-CASE-XLA-006861
Application of acoustic transducers for	Manned space station collapsible for launching and self-erectable in orbit
suspending object at center of chamber under near weightless conditions	[NASA-CASE-XLA-00678] C31 N70-34206
[NASA-CASE-NPO-13263-1] c15 N73-31443	Manned space station launched in packaged condition and self erecting in orbit
SOUNDING ROCKETS Development of attitude control system for	[NASA-CASE-XLA-00258] C31 N70-39676
sounding rocket stabilization during ballistic	Collapsible, space erectable loop antenna system for space vehicle
phase of flight [NASA-CASE-XGS-01654] c31 N71-24750	[NASA-CASE-XMF-00437] C07 N70-40202
System for deploying and ejecting releasable	Erectable, inflatable, radio signal reflecting passive communication satellite
clamshell fairing sections from spinning sounding rockets	[NASA-CASE-XLA-GO210]
[NASA-CASE-GSC-10590-1] c31 N73-14853	Deployment system for flexible wing with rigid superstructure
SPACE CAPSULES Assembly for opening flight capsule stabilizing	[NASA-CASE-XLA-01220] CO2 N7C-#1963
and decelerating flaps with reference to	Capillary radiator for carrying heat transfer liquid in planetary spacecraft structures
Capsule recovery [NASA-CASE-XMF-00641]	I NASA-CASE-XLE-033071 633 N71-14075
Design and configuration of manned space capsule	Describing apparatus for manufacturing operations in low and zero gravity
[NASA-CASE-XLA-01332] c31 N71-15664 Describing assembly for opening stabilizing and	environments of orbital space flight
decelerating flaps of flight capsules used in	[NASA-CASE-MFS-20410] c15 N71-19214 Space erectable rollup solar array of arcuate
space research [NASA-CASE-XMF-03169] c31 N71-15675	Soldi panels furied on tapered drum for
SPACE COMMUNICATION	spacecraft storage during launch
Radio receiver with array of independently steerable antennas for deep space communication	Self erecting parabolic reflector design for use
I NASA-CASE-XLA-009011	IN Space
Design and development of tracking receiver for tracking satellites and receiving radio signal	Pneumatic cantilever beams and platform for
transmissions under adverse noise conditions	Space erectable structure
[NASA-CASE-XGS-08679] c10 N71-21473 Development of antenna system for spin	Hydraulic actuator design for space deployment
Stabilized communication satellito for	or neat radiators
simultaneous reception and transmission of data	[NASA-CASE-MSC-11817-1] c15 N71-26611 Space expandable tether device for use as
Design and development of closed-loop digital	passageway between two docked spacecraft
data communication system using optimum number of interconnecting wires	Expandable space frames with high expansion to
[NASA-CASE-MSC-13912-1] CO7 N73-12151	Collapse ratio
SPACE ENVIRONMENT SIMULATION	[NASA-CASE-ERC-10365-1] c31 N73-32749 SPACE EXPLORATION
Simulating voltage-current characteristic curves of solar cell panel with different operational	Self-propelled vehicle with wheel, track laving.
parameters	and walking capability for exploratory expolaration

[NASA-CASE-NPO-11366] C11	N73-26238	Development of method and equ	nipment for testing
CDACP PITGET		heat radiative properties of controlled environmental controlled	onditions
Portable environmental control and life :	support	[NASA-CASE-MFS-20096]	c14 N71-30026
system for astronaut in and out of space	cecrait	SPACE STATIONS	014 50020
	N71-11203	Manned space station launched	d in packaged
Television simulation for aircraft and s	pace	condition and self erecting	g in orbit
flight	พ71-19449	r nasa-case-xla-00258 l	c31 N70-38676
[KESE-CESE ALK 03 10 .]	171 17417	Multiple in-line docking capa	ability having
SPACE FLIGHT FREDING Portable device for dispensing potable w	ater to	intermeshing docking turre	ts for rotating
crew members aboard operating spacecra	ft	space stations	-24 872 25053
[NASA-CASE-MFS-21163-1] c05	N72-28098	[NASA-CASE-MFS-20855-1]	c31 N72-25853
CDACP MATNUTRNANCE		SPACE SUITS	high aggologation
cuctom for removing and repairing spaced	raft	Astronaut restraint suit for	high acceleration
control thrusters by use of portable a	II IUCKS	protection (NASA-CASE-XAC-00405)	c05 N70-41819
[NASA-CASE-MFS-20325] C28	N71-27095	Space suit with pressure-vol	ume compensator system
SPACE MANUFACTURING		[NASA-CASE-XLA-05332]	c05 N71-11194
Application of acoustic transducers for	under	Equipotential space suits ut	ilizing mechanical
suspending object at center of chamber near weightless conditions	dider	aids to minimize astronaut	energy at bending
[NASA-CASE-NPO-13263-1] c15	N73-31443	joints	_
CDACE MICCIONS		[NASA-CASE-LAR-10067-1]	c05 N71-11195
Planetary atmospheric investigation usin	g split	One piece human garment for	use as contamination
trajectory dual flyby mode		proof garment	c05 N71-17599
rnasa_case_xac=084941 c30	N71-15990	[NASA-CASE-MSC-12206-1]	
plimination of tracking occultation prob	olems	Space environmental work sim of space suit mounted to v	acuum chamber wall
occurring during continuous monitoring	OI	[NASA-CASE-XMF-07488]	c11 N71-18773
interplanetary missions by using Earth	L	Space suit body heat exchang	
orbiting communications satellite	n71_28012	of thermal conductance yar	n and liquid coolant
[NASA-CASE-XAC-06029-1] c31	N71-24813	loops	-
Design and development of space shuttle	or	[NASA-CASE-XMS-09571]	c05 N71-19439
for delivering payload to earth orbit celestial orbit	01	Conditioning suit for normal	function of
[NASA-CASE-MSC-12391] c30	N73-12884	astronaut cardiovascular s	system in gravity
SDACE NAVIGATION		environment	-05 W71 20269
Flectrical and electromechanical trigono	ometric	[NASA-CASE-XLA-02898]	c05 N71-20268
computation assembly and space vehicle	2	Space suit using nonflexible	enaterial with low
guidance system for aligning perpendic	cular	leakage and providing prot thermal extremes, physical	nunctures, and
axes of two sets of three-axes coording	nate	radiation with high mobili	ity articulation
references	N71-21688	[NASA-CASE-XAC-07043]	c05 N71-23161
		Sealing evacuation port and	evacuating vacuum
Momentum wheel design for spacecraft at control and magnetic drum and head sys	stem for	container such as space ja	ackets
Control and madnetic drum and head by	3002 202	rnasa-case-xme-032901	c15 N71-23256
data storage [NASA-CASE-NPO-11481] c21	N73-13644	Structure of fabric layers	for micrometeoroid
Method for producing reticles for use i	n outer	protection garment with ca	apability for
space		eliminating heat shorts for	or use in
[NASA-CASE-GSC-11188-2] C21	พ73-19630	manufacturing space suits	c18 N71-26285
SPACE ORTENTATION		[NASA-CASE-MSC-12109] Venting device for pressuri:	
Sensing method and device for determini	nq	to eliminate vomit expelle	ed by crewmen
orientation of space vehicle or satel	lite by	[NASA-CASE-XMS-09652-1]	c05 N71-26333
using particle traps	N70-34297	Automatic control device for	r regulating inlet
MASA CASE ACC CO.	110 31231	water temperature of liqu	id cooled spacesuit
SPACE RENDEZVOUS Method and apparatus for connecting two		[NASA-CASE-MSC-13917-1]	COS N72-15098
enacecraft with probe of one inserted	in	Pressure regulator for space	e suit worn
rocket engine nozzle of other spacecr	aft	underwater to simulate sp	ace environment for
[NASA-CASE-MFS-11133] c31	N71-16222	testing and experimentati	c05 N72-20097
SPACE SHUTTLES		(NASA-CASE-MFS-20332] Space suit with improved wa	ist and torso movement
Designing spacecraft for flight into sp	ace.	[NASA-CASE-ARC-10275-1]	c05 N72-22092
atmospheric reentry, and landing at s	elected	Underwater space suit press	ure control regulator
sites	N71-16087	CNASA-CASE-MFS-20332-21	CUS N/3-25125
[NASA-CASE-XAC-02058] c02 Design and development of space shuttle	system	Automatic temperature contr	ol for liquid cooled
for delivering payload to earth orbit	or	space suit	
celestial orbit		[NASA-CASE-ARC-10599-1]	c05 N73-26071
FNASA-CASE-MSC-123917 C30	N73-12884	Process for developing flam	e retardant
spacecraft configurations and aerodynam	ic	elastomeric composition t	extiles for use in
characteristics of space shuttle syst	ems with	space suits	c18 N73-27501
two reusable stages		[NASA-CASE-MSC-14331-1] Intra- and extravehicular 1	
[NASA-CASE-MSC-12433] c31	N73-14854	suite for Apollo astronau	its
Improved silicide coatings for refracto	ory metais	[NASA-CASE-MSC-12609-1]	c05 N73-32012
employed in space shuttles and gas to	Itpine	SPACE VEHTCLE CHECKOUT PROGRAM	I
engine components	7 N73-22474	Hydraulic support apparatus	for dynamic testing
[NASA-CASE-LEW-11179-1] c1 Development and characteristics of vari	iable	of space vehicles under n	ear-free flight
ratio. mixed-mode, bilateral master-:	slave	conditions	
control system for space shuttle remo	ote	[NASA-CASE-XMF-03248]	c11 N71-10604
manipulator system		Digital computer system for	. automatic prefaulich
[NASA-CASE-MSC-14245-1] C3	1 N73-36832	checkout of spacecraft [NASA-CASE-XKS-08012-2]	c31 N71-15566
CDACE STMILATORS	~=	Developing high pressure qu	
Space simulator with uniform test requ	uniato	filtration system for use	in test operations
radiation distribution, adapted to s	TMGTGFA	of space vehicles	
Venus solar radiations	1 N70-38675	[NASA-CASE-MFS-12806]	c14 N71-17588
[NASA-CASE-XNP-00459] c1 Variable geometry manned orbital vehic	le having	SPACECRAFT	
high aerodynamic efficiency over wide	e speed	Metal strip mounting arrang	gement for solar cell
range and incorporating auxiliary pi	votal wings	arrays on spacecraft	
[NASA-CASE-XLA-03691] c3	1 N71-15674	[NASA-CASE-XGS-C1475]	c03 N71-11058
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Attitude sensor with scanning mirrors for detecting orientation of space wehicle with	Space environment cimulator for to
detecting orientation of space wehicle with	Space environment simulator for testing
	spacecraft components under aerospace conditions
respect to planet	I NASA-CASE-NPO-101411
[NASA-CASE-XLA-00793] c21 N71-22880	Design and development of spacecraft with outer
Negation of magnetic fields produced by thin	
waferlike circuit elements in space vehicles	shell structure heat shielding and built-in,
	removable excursion module
Low mass ionizing device for use in electric	Electronic detection system for peak
thrust spacecraft engines	acceleration limits in vibrational testing of
[NASA-CASE-XNP-01954] c28 N71-28850	spacecraft components
Vacuum chamber with scale model of rocket engine	
base area of space vehicle	[NASA-CASE-NPO-10556] c14 N71-27185
[NASA-CASE-MFS-20620] c11 N72-27262	Development of solid state polymer coating for
SPACECRAFT ANTENNAS	obtaining thermal balance in spacecraft
I and I are proposition of the control of the contr	components
Low loss parasitic probe antenna for prelaunch	[NASA-CASE-XLA-01745] c33 N71-28903
tests of spacecraft antennas	Development of apparatus for mounting scientific
[NASA-CASE-XKS-09348] c09 N71-13521	experiments in spacecraft to permit
Millimeter wave antenna system for spacecraft use	utilization without and permit
[NASA-CASE-GSC-10949-1] CG7 N71-28965	utilization without maneuvering spacecraft
Low weight, integrated thermoelectric	[NASA-CASE-MSC-12372-1] c31 N72-25842
Generator (antonno combination for	Squib actuated disconnect for spacecraft
generator/antenna combination for spacecraft	coupling to launch vehicle
[NASA-CASE-XER-09521] c09 N72-12136	[NASA-CASE-NPO-13172-1] C33 N73-17017
Omnidirectional antenna array with	Development and characteristics of supporting
circumferential slots for mounting on	frame to isolate payloads from
cylindrical space vehicle	multi-consider payloads from
[NASA-CASE-LAR-10163-1] c09 N72-25247	multi-gravitational forces
Furlable antenna for spacecraft	[NASA-CASE-MFS-21680-1] c15 N73-20525
	Development and characteristics of variable
[NASA-CASE-NPO-11361] c07 N72-32169	ratio, mixed-mode, bilateral master-slave
Collapsible support for antenna reflector	control system for space shuttle remote
applied to installation of spacecraft antennas	manipulator system
[NASA-CASE+NPO-11751] c07 N73-24176	FN1G1 G1GE HER ANGLE AL
SPACECRAFT CABIN ATMOSPHERES	NASA-CASE-MSC-14245-1] c31 N73-30832
Thermal control wall panel with application to	SPACECRAFT CONFIGURATIONS
spacecraft cabins	Inflatable honeycomb panel element for
fulga are use are s	lightweight structures usable in space
[NASA-CASE-XLA-01243] c33 N71-22792	stations and other construction
SPACECRAFT COMMUNICATION	[NASA-CASE-XLA-00204] c32 N70-36536
Synchronizing apparatus for multi-access	Lenticular vehicle with foldable aerodynamic
satellite time division multiplex system	control flaps and reaction jets for operation
[NASA-CASE-XGS-05918] CO7 N69-39974	shows and make reaction jets for operation
Phase shift data transmission system with	above and within earth's atmosphere
pseudo-noise synchronization code modulated	[NASA-CASE-XGS-00260] c31 N70-37924
with digital data into girll all and girl	Stage separation system for spinning vehicles
with digital data into single channel for	and payloads
spacecraft communication	[NASA-CASE-XLA-02132] c31 N71-10582
[NASA-CASE-XNP-00911] COS N70-41961	Design and configuration of aerospace vehicle
Design and development of tracking receiver for	for performing earth orbit mission and
tracking satellites and receiving radio signal	Total policy and a second of the mission and
transmissions under adverse noise conditions	returning to preselected landing site
[NASA-CASE-XGS-08679] c10 N71-21473	[NASA-CASE-MFS-21527] c31 N72-15781
Microwave ominidirectional antenna for use on	Spacecraft configurations and aerodynamic
spacecraft	Characteristics of space shuttle systems with
F. 11 . 12 . 12 . 12 . 12 . 12 . 12 . 12	two reusable stages
[NASA-CASE-XLA-03114] c09 N71-22888	[NASA-CASE-MSC-12433] c31 N73-14854
VHF/UHF parasitic probe antenna for spacecraft	SPACECRAFT CONSTRUCTION MATERIALS
communication	SPACECRAPT CONSTRUCTION MATERIALS
communication	Pressurized cell micrometeoroid detector
communication [NASA-CASE-XKS-09340]	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising norous
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing	Pressurized cell micrometeoroid detector [NASA-CASE-XIA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes	Pressurized cell micrometeoroid detector [NASA-CASE-XIA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for
communication [NASA-CASE-NKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] c10 N71-26577	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants
communication [NASA-CASE-XKS-09340]	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Flexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] SPACECRAFT CONTROL
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] c10 N71-26577 Turnstile slot antenna system for spacecraft or missile telemetry and command control	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] c10 N71-26577 Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] c09 N73-11206	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] c10 N71-26577 Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] c09 N73-11206 SPACECRAFT COMPONENTS	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] c10 N71-26577 Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] c09 N73-11206 SPACECRAFT COMPONENTS Rectangular electric conductors for conductor	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359]
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] CO9 N73-11206 SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar
communication [NASA-CASE-XKS-09340] c07 N71-24614 System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] c10 N71-26577 Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] c09 N73-11206 SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar
communication [NASA-CASE-MKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] CO9 N70-20737	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] CO9 N73-11206 SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] C14 N70-34158 Spacecraft attitude control system using solar and earth sensors, qyroscopes, and jet actuators [NASA-CASE-XNP-00465] C21 N70-33395
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] CO9 N73-11206 SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] Multiple parachute system for landing control of
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-146201] C23 N71-15673	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-146201] C23 N71-15673	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] Spacecraft attitude control system using solar and earth sensors, qyroscopes, and jet actuators [NASA-CASE-XNP-00465] Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-068981] CO2 N70-24804
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NFO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-006981] Attitude control device for space vehicles
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NF0-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-HFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-01620] C23 N71-15673 Intermittent type silica gel adsorption refrigerator for providing temperature control	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-008981] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XNP-002941] c21 N70-36938
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-OSC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XNP-00294] c21 N7O-36938 Attitude orientation control of spin stabilized
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-009201] C15 N71-15006	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XNP-00294] c21 N7O-36938 Attitude orientation control of spin stabilized
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMP-00920] C15 N71-15906 Commidirectional anisotropic molecular trap. used	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] C17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] C14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] C21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00698] Attitude control device for space vehicles [NASA-CASE-XNP-00294] Attitude orientation control of spin stabilized final stage space vehicles, using horizon
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MFS-14741] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECBAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-0C898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XNP-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MFS-14741] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N70-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-002811] c21 N70-36943
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-NFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783]	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] Attitude control device for space vehicles [NASA-CASE-XNP-00294] Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] Aerodynamic configuration of reentry vehicle
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-NFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783]	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] System operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Omnidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XNS-00783] Spacecraft air lock system to provide ingress	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N70-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] C14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] C21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] Attitude control device for space vehicles [NASA-CASE-XNP-00294] Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] Aerodynamic confiquration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] 231 N70-41631
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-1128-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Spacecraft or spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-0920] CMSA-CASE-XMS-0920] CMSA-CASE-XMS-0930] CMSA-CASE-XMS-0931 Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] C14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] C21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] Attitude control device for space vehicles [NASA-CASE-XNP-00294] Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XNS-04142] C31 N70-41631
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-10214] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] System operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Omnidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XIP-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XIA-020501	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-0294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-0281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLA-04142] c31 N70-41631 Star sensor system for roll attitude control of
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SE-071428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] CO9 N70-20737 Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XGS-00783] C31 N71-22968 Development and characteristics of docking	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N70-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Star sensor system for roll attitude control of spacecraft
communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-GSC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XMS-0783] Spacecraft air lock system to provide ingress and egress of astronaut vithout subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid qallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, qyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XNP-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic confiquration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] c21 N70-41856
COMMUNICATION [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] CO9 N70-20737 Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-01620] C23 N71-15673 Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Omnidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XNP-00920] C30 N71-17788 Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking fNASA-CASE-XHF-059411	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLA-04142] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] Photomultiplier detector of Canopus for
COMMUNICATION [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] CO9 N70-20737 Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-MS-01620] C23 N71-15673 Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNP-00920] Omnidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XNP-00920] C30 N71-17788 Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking fNASA-CASE-XHF-059411	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, qyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N70-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNS-04142] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNS-04142] c31 N70-41631 Photomultiplier detector of Canopus for spacecraft attitude control
Communication [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-NPO-1128-1] SPACECRAFT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-01620] Considerectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking [NASA-CASE-XMF-05941] Design and development of release mechanism for	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00898] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] c21 N70-41631 Photomultiplier detector of Canopus for spacecraft attitude control [NASA-CASE-XNP-03101] c21 N70-41856
COMMUNICATION [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-NFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XMS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking (NASA-CASE-XMF-05941] Design and development of release mechanism for spacecraft components, releasable despin	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLA-0442] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] c21 N70-41856 Photomultiplier detector of Canopus for spacecraft attitude control [NASA-CASE-XNP-03914] c21 N70-41856 Photomultiplier detector of Canopus for spacecraft ASSA-CASE-XNP-03914] c21 N71-10771 Development of spacecraft experiment pointing
COMMUNICATION [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-MFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XNF-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XGS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking [NASA-CASE-XHF-05941] Design and development of release mechanism for spacecraft components, releasable despin weights, and extensible gravity booms	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, qyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N70-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XMS-04142] Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] c21 N70-41631 Star sensor system for roll attitude control of spacecraft attitude control [NASA-CASE-XNP-03914] c21 N70-41856 Photomultiplier detector of Canopus for spacecraft attitude control [NASA-CASE-XNP-03914] c21 N71-10771 Development of spacecraft experiment pointing and attitude control system
COMMUNICATION [NASA-CASE-XKS-09340] System designed to reduce time required for obtaining synchronization in data communication with spacecraft utilizing pseudonoise codes [NASA-CASE-NPO-10214] Turnstile slot antenna system for spacecraft or missile telemetry and command control [NASA-CASE-SEC-11428-1] SPACECRAPT COMPONENTS Rectangular electric conductors for conductor cables to withstand spacecraft vibration and controlled atmosphere [NASA-CASE-NFS-14741] Vibration damping system operating in low vacuum environment for spacecraft mechanisms [NASA-CASE-XMS-01620] Intermittent type silica gel adsorption refrigerator for providing temperature control for spacecraft components [NASA-CASE-XMS-00920] Commidirectional anisotropic molecular trap, used with vacuum pump to simulate space environments for testing spacecraft components [NASA-CASE-XMS-00783] Spacecraft air lock system to provide ingress and egress of astronaut without subjecting vehicular environment to vacuum of space [NASA-CASE-XLA-02050] Development and characteristics of docking structure and apparatus for spacecraft docking (NASA-CASE-XMF-05941] Design and development of release mechanism for spacecraft components, releasable despin	Pressurized cell micrometeoroid detector [NASA-CASE-XLA-00936] c14 N71-14996 Plexible barrier membrane comprising porous substrate and incorporating liquid gallium or indium metal used as sealant barriers for spacecraft walls and pumping liquid propellants [NASA-CASE-XNP-08881] c17 N71-28747 SPACECRAFT CONTROL Light sensitive digital aspect sensor for attitude control of earth satellites or space probes [NASA-CASE-XGS-00359] c14 N70-34158 Spacecraft attitude control system using solar and earth sensors, gyroscopes, and jet actuators [NASA-CASE-XNP-00465] c21 N7C-35395 Multiple parachute system for landing control of Apollo type spacecraft [NASA-CASE-XLA-00898] c02 N70-36804 Attitude control device for space vehicles [NASA-CASE-XLA-00294] c21 N70-36938 Attitude orientation control of spin stabilized final stage space vehicles, using horizon scanners [NASA-CASE-XLA-00281] c21 N70-36943 Aerodynamic configuration of reentry vehicle heat shield to provide longitudinal and directional stability at hypersonic velocities [NASA-CASE-XLA-0442] c31 N70-41631 Star sensor system for roll attitude control of spacecraft [NASA-CASE-XNP-01307] c21 N70-41856 Photomultiplier detector of Canopus for spacecraft attitude control [NASA-CASE-XNP-03914] c21 N70-41856 Photomultiplier detector of Canopus for spacecraft ASSA-CASE-XNP-03914] c21 N71-10771 Development of spacecraft experiment pointing

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Development of attitude control system for	Development of spacecraft docking system for
spacecraft orientation	optical alignment of spacecraft using
rnasa-casr-xgs-043931	television camera system [NASA-CASE-MSC-12559-11
Drive mechanism for operating reactance attitude	[NASA-CASE-BSC-12559-1] C31 N73-26879 SPACECRAFT ELECTRONIC EQUIPMENT
control system for aerospace bodies	Equipment for testing of ground station ranging
[NASA-CASE-XMF-01598] C21 N71-15583	equipment and spacecraft transponders
Attitude detection system using stellar	[NASA-CASE-XMS-05454-1] c07 N71-12391
references for three-axis control and spin	nescribing apparatus used in vacuum deposition
stabilized spacecraft	of thin film inductive windings for spacecraft
[NASA-CASE-XGS-03431] c21 N71-15642 Large amplitude, linear inertial reference	microcircuitry
system of vibrating string type for spacecraft	[NASA-CASE-XMF-01667] C15 N71-17647
reference plane	Nose cone mounted heat resistant antenna
[NASA-CASE-XAC-03107] c23 N71-16098	comprising plurality of adjacent layers of
Construction and method of arranging plurality	silica not introducing paths of high thermal
of ion engines to form cluster thereby	conductivity through ablative shield
increasing efficiency and control by	[NASA-CASE-XMS-04312] CO7 N71-22984
decreasing heat radiated to space	SPACECRAFT ENVIRONMENTS
[NASA-CASE-XNP-02923] C28 N71-23081	Portable environmental control and life support
Ton heam deflector system for electronic thrust	system for astronaut in and out of spacecraft
vector control for ion propulsion yaw, pitch,	[NASA-CASE-XMS-09632-1] c05 N71-11203 Quick disconnect latch and handle combination
and roll forces	for mounting articles on walls or supporting
[NASA-CASE-LEW-10689-1] c28 N71-26173	bases in spacecraft under zero gravity
Heated porous plug microthrustor for spacecraft	conditions
reaction jet controlled systems such as fuel	[NASA-CASE-MFS-11132] c15 N71-17649
flow regulation, propellant disassociation,	Dual solid cryogens for spacecraft refrigeration
and heat transfer augmentation [NASA-CASE-GSC+10640+1] C28 N72-18766	insuring low temperature cooling for extended
	periods
Development of thrust control system for	[NASA-CASE-GSC-10188-1] C23 N71-24725
application to control of aircraft and	Dual stage check valve for cryogenic supply
spacecraft [NASA-CASE-MSC-13397-1] c21 N72-25595	systems used in space flight environmental
Aircraft and spacecraft hand controllers for	control system
yaw, pitch, and roll	[NASA-CASE-MSC-13587-1] c15 N73-30459
[NASA-CASE-MSC-12394-1] c03 N73-20041	SPACECRAFT GUIDANCE
SPACECRAFT DESIGN	Automatic ejection valve for attitude control
Lunar landing flight research vehicle	and midcourse guidance of space vehicles
r NASA-CASE-YFR-009291 C31 N70-34966	[NASA-CASE-XNP-00676] c15 N70-38996
nesign and configuration of manned space capsule	Electrical and electromechanical trigonometric
[NASA-CASE-XLA-01332] C31 N/1-15664	computation assembly and space vehicle
Development of spacecraft radiator cover	quidance system for aliqning perpendicular axes of two sets of three-axes coordinate
[NASA-CASE-MSC-12049] c31 N71-16080	
Method and apparatus for connecting two	references [NASA-CASE-XMF-00684] c21 N71-21688
spacecraft with probe of one inserted in	Design and characteristics of device for sensing
rocket engine nozzle of other spacecraft [NASA-CASE-MFS-11133] c31 N71-16222	solar radiation and providing spacecraft
	attitude control to maintain direction with
Development and characteristics of protective	respect to incident radiation
coatings for spacecraft [NASA-CASE-XNP-02507] c31 N71-17679	[NASA-CASE-XNP-05535] C14 N71-23040
Development and characteristics of self	Inertial gimbal alignment system for spacecraft
supporting space vehicle	quidance
[NASA-CASE-XLA-00117] C31 N71-17680	[NASA-CASE-XMF-01669] C21 N71-23289
Multi-mission space vehicle module stage design	Hermetically sealed vibration damper design for
[NASA-CASE-XMF-01543] c31 N71-17730	use in qimbal\assembly of spacecraft inertial
Development and characteristics of docking	guidance system
structure and apparatus for spacecraft docking	[NASA-CASE-MSC-10959] c15 N71-26243
[NASA-CASE-XMF-05941] c31 N71-23912	SPACECRAFT INSTRUMENTS Mechanical coordinate converter for use with
Design and development of spacecraft with outer	spacecraft tracking antennas
shell structure heat shielding and built-in,	[NASA-CASE-XNP-00614] c14 N70-36907
removable excursion module	Air bearings for spacecraft gyros
[NASA-CASE-MSC-13047-1] c31 N71-25434	[NASA-CASE-XMF-00339] c15 N70-39896
Design and configuration of aerospace vehicle	Unfolding boom assembly with knuckle joints for
for performing earth orbit mission and returning to preselected landing site	nositioning equipment for spacecraft
[NASA-CASE-MFS-21527] c31 N72-15781	f NASA-CASE-XGS-009381
Spacecraft design with single point aerodynamic	pressurized cell micrometeoroid detector
and hydrodynamic stability for emergency	[NASA-CASE-XLA-00936] C14 N/1-14996
transport of men from space station to	Guidance analyzer having suspended spacecraft
splashdown	simulating sphere for astronavigation
[NASA-CASE-MSC-13281] c31 N72-18859	[NASA-CASE-XNP-09572] c14 N71-156,21
SPACECRAPT DOCKING	Inertial component clamping assembly design for
Probe and droque assembly for mechanical linking	spacecraft quidance and control system mounting
of two space vehicles	
[NASA-CASE-XMS-03613] c31 N71-16346	Optical projector system for establishing optimum arrangement of instrument displays in
Development and characteristics of docking	
structure and apparatus for spacecraft docking	aircraft, spacecraft, other vehicles, and industrial instrument consoles
[NASA-CASE-XMF-05941] c31 N71-23912	[NASA-CASE-XNP-03853] c23 N71-21882
Latch for fastening spacecraft docking rings	Combined optical attitude and altitude
[NASA-CASE-MSC-15474-1] c15 N71-26162	indicating instrument for use in aircraft or
<pre>Multiple in-line docking capability having intermeshing docking turrets for rotating</pre>	spacecraft
space stations	[NASA-CASE-XLA-01907] C14 N71-23268
[NASA-CASE-MFS-20855-1] c31 N72-25853	Spacecraft transponder and ground station radar
Pail safe latching mechanism for spacecraft	system for mapping planetary surfaces
docking	[NASA-CASE-NPO-11001] CO7 N72-21118
[NASA-CASE-MSC-12549-1] c15 N73-11443	Method and apparatus for providing active
High energy absorption docking system design for	attitude control for spacecraft by converting
docking large spacecraft	any attitude motion of vehicle into simple
[NASA-CASE-MFS-20863] c31 N73-26876	rotational motion

docking large spacecraft [NASA-CASE-MFS-20863]

SPACECRAFT TRACKING SUBJECT INDEX

[NASA-CASE-HQN-10439] c21 N72-21624	Spacecraft trajectory correction propulsion system [NASA-CASE-XNP-01104] c28 N70-39931
Star scanner for spin-stabilized spacecraft	[NASA-CASE-XNP-01104] C28 N70-39937 Permanently magnetized ion engine casing
FNXCX_CXCR_CCC-11569-11 CI4 N/3*114V4	construction for use in spacecraft propulsion
Design and development of thermomechanical pump for transmitting warming fluid through fluid	systems
circuit to control temperature of spacecraft	[NASA-CASE-XNP-06942]
instrumentation	Development of voice operated controller for
[NASA-CASE-NPO-11417] c15 N73-24513	controlling reaction jets of spacecraft [NASA-CASE-XLA-04063] c31 N71-33160
SPACECRAPT LANDING	SPACECRAPT RECOVERY
Non-reusable kinetic energy absorber for application in soft landing of space vehicles	Assembly for opening flight capsule stabilizing
CNACA-CACE-YI.E-00810] C15 N/0-34001	and decelerating flaps with reference to
plactic form deperator for space vehicle	capsule recovery [NASA-CASE-XMF-00641] c31 N70-36410
instrument payload package flotation in water	Method for deployment of flexible wing glider
landing	from space vehicle with minimum impact and
[NASA-CASE-XLA-00838] C03 N70-36778 Device for use in descending spacecraft as	loading
altitude sensor for actuating deceleration	(MASA-CASE-XMS-00907] c02 N70-41630
retrorockets	SPACECRAFT REENTRY Manned space capsule configuration for orbital
[NASA-CASE-XMS-03792] c14 N7C-41812	flight and atmospheric reentry
SPACECRAFT LAUNCHING Three stage motion restraining mechanism for	f NASA_CASE_VI.A=061491
restraining and damping three dimensional	Event recorder with constant speed motor which
vibrational movement of gimballed package	rotates recording disk
during launch of spacecraft	[NASA-CASE-XLA-01832] C14 571-21006 SPACECRAFT SHIELDING
[NASA-CASE-GSC-10306-1] c15 N71-24694	Development and characteristics of protective
Development and characteristics of squib actuated explosive disconnect for spacecraft	coatings for spacecraft
release from launch vehicle	[NASA-CASE-XNP-02507] c31 N71-17679
[NASA-CASE-NPO-11330] c33 N73-26958	Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft
SPACECRAFT MODELS	insulation cover
Space environment simulation system for measuring spacecraft electric field strength	[NASA-CASE-MFS-20355] c33 N71-25353
measuring spacecraft electric field strength in plasma sheath	Binder stabilized zinc oxide piqmented coating
[NASA-CASE-XLE-02038] c09 N71-16086	for spacecraft thermal control
SPACECRAFT MODULES	[RADE CEDE MAI CITY =]
Radial module manned space station with	SPACECRAFT STABILITY Satellite stabilization reaction wheel scanner
artificial gravity environment [NASA-CASE-XMS-01906] c31 N70-41373	[NASA-CASE-XGS-02629] C14 N71-21082
Multi-mission space vehicle module stage design	Development and characteristics of annular
rux cx _ cx cr = YMF = 015431	momentum control device for two axis
nocian and development of spacecraft with outer	stabilization of spacecraft [NASA-CASE-LAR-11051-1] c21 N73-28646
shell structure heat shielding and built-in,	SPACECRAPT STRUCTURES
removable excursion module [NASA-CASE-MSC-13647-1] c31 N71-25434	Collapsible, space erectable loop antenna system
Development and characteristics of thermal	for space vehicle
control system for maintaining constant	[NASA-CASE-XMF-00437] c07 N70-40202 Electro-optical system for maintaining two-axis
temperature within spacecraft module with wide	alignment during milling operations on large
variations of component heat transfer	tank-sections
CDACECRAFT DOSTITION INDICATORS	[NASA-CASE-XMF-00908] c14 N70-40238
perion for determining relative angular position	Development of spacecraft radiator cover
of spacecraft and radiating celestial body	[NASA-CASE-MSC-12049] C31 N/1-16080 Design and construction of satellite appendage
[NASA-CASE-GSC-11444-1] c14 N73-28490	tie-down cord
Spacecraft attitude sensing system design with narrow field of view sensor rotating about	f NA SA + CASE - XGS - 02554] C31 N71-21064
spacecraft x-y axis	Development and characteristics of thermal
[NASA-CASE-GSC-10890-1] c21 N73-30640	sensitive panel for controlling ratio of solar absorptivity to surface emissivity for space
SPACECRAPT POWER SUPPLIES	wehicle temperature control
Spacecraft battery seals	[NASA-CASE-XLA-07728] C33 N71-22890
[NASA-CASE-XGS-03864] c15 N69-24320 Electrical power system for space flight	Space expandable tether device for use as
vehicles operating over extended periods	passageway between two docked spacecraft [NASA-CASE-XMS-10993] c15 N71-28936
[NASA-CASE-XMF-00517] C03 N/0-3415/	[NASA-CASE-XMS-10993] c15 N71-28936 Delayed simultaneous appendage release mechanism
Lightweight, rugged, inexpensive satellite	for use on spacecraft equipped with despin
battery for producing electrical power from ionosphere using electrodes with different	mechanisms and releasable components
contact potentials	[NASA-CASE-GSC-10814-1] c03 N73-20039
CNASA_CASE_YGS=015931	<pre>pevelopment of composite structures for spacecraft to serve as anti-meteoroid device</pre>
Design and development of electric generator for	[NASA-CASE-LAR-10788-1] c31 N73-20880
space power system INASA-CASE-YLE-042501 C09 N71-20446	Pressurized panel meteoroid detector
[NASA-CASE-XLE-04250] C09 N71-20446 Monostable multivibrator for conserving power in	[NASA-CASE-XLA-08916-2] c14 N73-28487
spacecraft systems	Structural heat pipe for spacecraft wall thermal
r NA SA - CASE - GSC - 10 082 - 1 1	insulation system [NASA-CASE-GSC-11619-1] c33 N73-32828
Control circuit for nuclear thermionic converter	SPACECRAFT TELEVISION
power source for spacecraft [NASA-CASE-NPO-13114-1] c22 N73-13656	Electrically operated rotary shutter for
Poctangular solar cell stacked panels to	television camera aboard spacecraft
generate electrical power aboard spacecrait	[NASA-CASE-XNP-C0637] c14 N70-40273 Conversion system for transforming slow scan
f NA SA = CASE = NPO = 117711 CO3 N/3=20040	rate of Apollo TV camera on moon to fast scan
Method and device for providing banded	of commercial TV
transformer cores for use in spacecraft power	[NASA-CASE-XMS-07168] c07 N71-11300
systems [NASA-CASE-NPO-11966] c09 N73-22150	SPACECRAFT TRACKING
CDACTCDAFF PROPRISION	Spacecraft ranging system
Colloidal particle generator for electrostatic	Flimination of tracking occultation problems
engine for propelling space vehicles	occurring during continuous monitoring of
[NASA-CASE-XLE-00817] C28 N70-33265	T-161

interplanetary missions by using Earth	spectroscopic analysis
orbiting communications satellite [NASA-CASE-XAC-06029-1] c31 N71-24813	[NASA-CASE-XGS-08269] c23 B71-26206
Tracking mount for laser telescope employed in	SPECTRUM ANALYSIS
tracking large rockets and space vehicles to	Spectrometer using photoelectric effect to obtain spectral data
give information regarding azimuth and elevation	[NASA-CASE-XNP-04161] c14 N71-15599
[NASA-CASE-MFS-14017] c14 N71-26627	Emission spectroscopy method for contamination
Orbital and entry tracking accessory mounted on	monitoring of inert gas metal arc welding
qlobal map to provide range requirements for reentry vehicles to any landing site	[NASA-CASE-XMP-02039] c15 N71-15871
[NASA-CASE-LAR-10626-1] c14 N72-21416	Method and apparatus for high resolution power spectrum analysis
SPACECREUS	[NASA-CASE-NPO-10748] c08 N72-20177
Development and characteristics of inflatable	SPEED CONTROL
structure to provide escape from orbit for	System for maintaining motor at predetermined
spacecrews under emergency conditions [NASA-CASE-XMS-06162] c31 N71-28851	speed using digital pulses
SPALLATION CS1 W71-20051	[NASA-CASE-XMF-06892] c09 N71-24805 Optimal control system for automatic speed
Production of iodine isotope by high energy	regulation of electric driven motor vehicle
bombardment of cesium heat pipe causing	[NASA-CASE-NPO-11210] c11 N72-20244
spallation reaction	SPEED REGULATORS
[NASA-CASE-LEW-11390-2] c24 N73-20763 SPARK GAPS	Feedback control for direct current motor to
Spark gap type protective circuit for fast	achieve constant speed under varying loads [NASA-CASE-MFS-14610] c09 N71-28886
sensing and removal of overvoltage conditions	[NASA-CASE-MPS-14610] c09 N71-28886 SPHERES
[NASA-CASE-XAC-08981] c09 N69-39897	Guidance analyzer having suspended spacecraft
Mechanism for measuring nanosecond time	simulating sphere for astronavigation
differences between luminous events using streak camera	[NASA-CASE-XNP-09572] c14 N71-15621
[NASA-CASE-XLA-01987] c23 N71-23976	Plastic sphere for radar tracking and calibration [NASA-CASE-XLA-11154] c07 N72-21117
SPARK IGNITION	[NASA-CASE-XLA-11154] c07 N72-21117 SPHERICAL SHELLS
High temperature spark plug for igniting liquid	Hollow spherical electrode for shielding
rocket propellants	dielectric junction between high voltage
[NASA-CASE-XLE-00660] c28 N70-39925 SPARK PLUGS	conductor and insulator
High temperature spark plug for igniting liquid	[NASA-CASE-XLE-03778] c09 N69-21542 Development of mechanical device for measuring
rocket propellants	distance of point within sphere from surface
[NASA-CASE-XLE-00660] c28 N70-39925	of sphere
SPATIAL DISTRIBUTION	[NASA-CASE-XLA-06683] c14 N72-28436
Electronic recording system for spatial mass distribution of liquid rocket propellant	SPHERICAL TANKS
droplets or wapors ejected from high velocity	Gauge for measuring quantity of liquid in spherical tank in reduced gravity
nozzles	[NASA-CASE-XMS-06236] c14 N71-21007
[NASA-CASE-NPO-10185] c10 N71-26339	SPHERICAL WAVES
SPATIAL FILTERING Photographic film restoration system using	Electrical device for developing converging
Fourier transformation lenses and spatial filter	spherical shock waves [NASA-CASE-MFS-20890] c14 N72-22439
[NASA-CASE-MSC-12448-1] c14 N72-20394	[NASA-CASE-MFS-20890] c14 N72-22439 SPIKE NOZZLES
SPECTRAL REFLECTANCE	Constructing fluid spike nozzle to eliminate
Development and characteristics of single	heat transfer and high temperature problems
reflector interference spectrometer and associated drive system	inherent in physical spikes
[NASA-CASE-NPO-11932-1] c14 N73-29438	[NASA-CASE-XGS-01143] c31 N71-15647 SPIN DYNAMICS
SPECTROMETERS	Deployable flexible ventral fins providing
Spectrometer using photoelectric effect to	triangular planform of flexible material for
obtain spectral data	spin recovery of aircraft
[NASA-CASE-XNP-04161] c14 N71-15599 Variable frequency nuclear magnetic resonance	[NASA-CASE-LAR-10753-1] c02 N73-10031
spectrometer providing drive signals over wide	Nutation damper for use on spinning body [NASA-CASE-GSC-11205-1] c15 N73-25513
frequency range and minimizing noise effects	SPIN REDUCTION
[NASA-CASE-XNP-09830] c14 N71-26266	Optical scanner mounted on rotating support
Maksutov spectrograph for low light level research [NASA-CASE-XLA-10462] c14 N71-29041	structure with method of compensating for
[NASA-CASE-XLA-10462] c14 N71-29041 Mossbauer spectrometer with high efficiencies in	image or satellite rotation [NASA-CASE-XGS-02401] c14 N69-27485
both transmission and backscattering techniques	[NASA-CASE-XGS-02401] c14 N69-27485 Bolt-latch mechanism for releasing despin
[NASA-CASE-LAR-11155-1] c14 N73-13433	weights from space vehicle
Dual purpose optical instrument capable of simultaneously acting as spectrometer and	[NASA-CASE-XLA-00679] c15 N70-38601
diffractometer	Stretch Yo-Yo mechanism for reducing initial spin rate of space vehicle
[NASA-CASE-XNP-05231] c14 N73-28491	[NASA-CASE-XGS-00619] c30 N70-40016
Integration of spectrometer capability with	Stage separation system for spinning vehicles
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[NASA-CASE-LAR-112C7-1] c14 N73-28496	[NASA-CASE-XLA-02132] c31 N71-10582
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associated drive system	SPIN STABILIZATION
[NASA-CASE-NPO-11932-1] c14 N73-29438 Design of gamma ray spectrometer for measurement	Dynamic precession damping of spin-stabilized
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effect	[NASA-CASE-XLA-01989] c21 N70-34295
[NASA-CASE-MFS-21441-1] c14 N73-30392	Attitude orientation control of spin stabilized
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Spectrophotoflucrometer with 3-dimensional display to identify fluorescence spectra of	scanners
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[NASA-CASE-XGS-01231] c14 N70-41676	references for three-axis control and spin
SPECTROSCOPIC ANALYSIS	stabilized spacecraft
Cylindrical reflector for resolving wide angle light beam from telescope into marrow beam for	[NASA-CASE-XGS-03431] c21 N71-15642
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Spin phase synchronization of cartwheel	Vacuum deposition heater for depositing thin
satellite in polar orbit	film of evaporative material on substrate
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[NASA-CASE-XLA-01339] c31 N71-15692	refractory substrate
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Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-070658-1] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (PLUID DYNAMICS)
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNF-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNF-00840] c15 N70-38225	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATTORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (PLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-NFO-0641] C31 N70-36410
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHA-017] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAB-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATTORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-00641] Mechanical stabilization system for VTCL aircraft
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XLE-00027] c33 N71-29152 SPRAYING Aircraft wheel spray draq alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPRENDING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XMF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XMF-02107] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XMP-00452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XMP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring	light source [NASA-CASE-MSC-12293-1] c14 N72-27411 System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] c02 N73-13008 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] c02 N73-26004 Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] c09 N73-32114 STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] c15 N71-10658 STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] c31 N71-20396 STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPC-12000] c27 H72-25699 STABILIZERS (FUNIO DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-00641] c31 N70-36410 Mechanical stabilization system for VTCL aircraft [NASA-CASE-XLA-06339] c02 N71-13422
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XLE-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREDING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNF-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c15 N70-38213 Load cell protection device using spring-loaded	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAB-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATTORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-06441] Mechanical stabilization system for VTCL aircraft [NASA-CASE-XLA-06339] Attitude stabilizer for nonquided missile or vehicle with respect to trajectory
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XLE-00027] c33 N71-29152 SPRAYING Aircraft wheel spray draq alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPRENDING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XMF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XMF-02107] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XMP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XGS-00473] c03 N70-38713 Load cell protection device using spring-loaded breakaway mechanism [NASA-CASE-XMF-08782] c32 %71-15974	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAE-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (ACENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-06441] Mechanical stabilization system for VTCL aircraft [NASA-CASE-XLA-06339] CO2 N71-13422 Attitude stabilizer for nonquided missile or vehicle with respect to trajectory [NASA-CASE-ARC-10134] C30 N72-17873
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XLE-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREDING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNF-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c15 N70-38713 Load cell protection device using spring-loaded breakaway mechanism [NASA-CASE-XNS-06782] c32 %71-15974 Vibration isolation system, using coaxial	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-06339] Attitude stabilization system for VTCL aircraft [NASA-CASE-XMF-06339] Attitude stabilizer for nonquided missile or vehicle with respect to trajectory [NASA-CASE-ARC-10134] C30 N72-17873 Inflatable stabilizing system for use on life
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHR-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-09452] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNS-00473] c03 N70-38713 Load cell protection device using spring-loaded breakaway mechanism [NASA-CASE-XNS-06782] c32 X71-15974 Vibration isolation system, using coaxial helical compression springs	light source [NASA-CASE-MSC-12293-1] c14 N72-27411 System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] c02 N73-13008 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] c02 N73-26004 Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-LAR-10682-1] c09 N73-32114 STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] c15 N71-10658 STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] c31 N71-20396 STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] c27 H72-25699 STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-06411] c31 N70-36410 Hechanical stabilization system for VTCL aircraft [NASA-CASE-XIA-06339] c02 N71-13422 Attitude stabilizer for nonquided missile or vehicle with respect to trajectory [NASA-CASE-ARC-10134] c30 N72-17873 Inflatable stabilizing system for use on life raft to reduce rocking and preclude capsizing
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XLE-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHF-02107] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XHP-09452] c15 N69-27504 Hultiple Belleville spring assembly with even load distribution [NASA-CASE-XHP-09452] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XHP-00840] c15 N70-38713 Load cell protection device using spring-loaded breakaway mechanism [NASA-CASE-XHS-06782] c32 X71-15974 Vibration isolation system, using coaxial helical compression springs [NASA-CASE-NF0-11012] c15 N72-11391	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] STABILIZERS (FLUID DYNAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-06641] Mechanical stabilization system for VTCL aircraft [NASA-CASE-XMF-06641] Mechanical stabilization system for VTCL aircraft [NASA-CASE-XMF-06641] Mechanical stabilization system for UTCL aircraft [NASA-CASE-XMF-06339] Attitude stabilizer for nonquided missile or vehicle with respect to trajectory [NASA-CASE-ARC-10134] Inflatable stabilizing system for use on life raft to reduce rocking and preclude capsizing [NASA-CASE-MSC-12393-1] CO2 N73-26006
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHA-017] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c03 N70-38713 Load cell protection device using spring-loaded breakausy mechanism [NASA-CASE-NS-06782] c32 X71-15974 Vibration isolation system, using coaxial helical compression springs [NASA-CASE-NPO-11012] c15 N72-11391 SPUTTERING Deposition method for epitaxial beta SiC films	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-LAR-10682-1] c09 N73-32114 STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] c15 N71-10658 STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] c31 N71-20396 STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] c27 H72-25699 STABILIZERS (FLUID DYNAMMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-00641] c31 N70-36410 Mechanical stabilization system for VTCL aircraft [NASA-CASE-XLA-06339] c02 N71-13422 Attitude stabilization for nonquided missile on vehicle with respect to trajectory [NASA-CASE-ARC-10134] c30 N72-17873 Inflatable stabilizing system for use on life raft to reduce rocking and preclude capsizing [NASA-CASE-MSC-12393-1] STABLE OSCILLATIONS Automatic measuring and recording of qain and
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-070658-1] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHA-01583] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XGS-00473] c03 N70-38713 Load cell protection device using spring-loaded breakaway mechanism with energy stored in coil spring [NASA-CASE-XHS-06782] c32 %71-15974 Vibration isolation system, using coaxial helical compression springs [NASA-CASE-NPO-11012] c15 N72-11391 SPUTTERING Deposition method for epitaxial beta SiC films having high degree of crystallographic	light source [NASA-CASE-MSC-12293-1] c14 N72-27411 System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [MASA-CASE-GSC-11077-1] c02 N73-13008 Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] c02 N73-26004 Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-GSC-11425-2] c09 N73-32114 STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] c15 N71-10658 STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] c31 N71-20396 STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] c27 N72-25699 STABILIZERS (FLUID DYBAMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XBF-00641] c31 N70-36410 Mechanical stabilization system for VTCL zircraft [NASA-CASE-XBF-01339] c02 N71-13422 Attitude stabilizer for nonquided missile or vehicle with respect to trajectory [NASA-CASE-ARC-10134] c30 N72-17873 Inflatable stabilizing system for use on life raft to reduce rocking and preclude capsizing [NASA-CASE-MSC-12393-1] c02 N73-26006 STABLE OSCILLATIONS Automatic measuring and recording of qain and zero drift characteristics of electronic
Metal plating process employing spraying of metallic power/peening particle mixture [NASA-CASE-GSC-11163-1] c15 N73-32360 SPRAYERS External device for liquid spray cooling of qas turbine blades [NASA-CASE-XLE-00037] c28 N70-33372 Adhesive spray process for attaching biomedical skin electrodes [NASA-CASE-XFR-07658-1] c05 N71-26293 Apparatus for liquid spray cooling of turbine blades [NASA-CASE-XFR-00027] c33 N71-29152 SPRAYING Aircraft wheel spray drag alleviator for dual tandem landing gear [NASA-CASE-XLA-01583] c02 N70-36825 SPREADING Tool attachment for spreading or moving away loose elements from terminal posts during winding of filamentary elements [NASA-CASE-XHA-017] c15 N71-10809 SPRINGS (ELASTIC) Belleville spring assembly with elastic quides having low hysteresis [NASA-CASE-XNP-09452] c15 N69-27504 Bultiple Belleville spring assembly with even load distribution [NASA-CASE-XNP-00840] c15 N70-38225 Switching mechanism with energy stored in coil spring [NASA-CASE-XNP-00840] c03 N70-38713 Load cell protection device using spring-loaded breakausy mechanism [NASA-CASE-NS-06782] c32 X71-15974 Vibration isolation system, using coaxial helical compression springs [NASA-CASE-NPO-11012] c15 N72-11391 SPUTTERING Deposition method for epitaxial beta SiC films	light source [NASA-CASE-MSC-12293-1] System for controlling torque buildup in suspension of gondola connected to balloon by parachute shroud lines [NASA-CASE-GSC-11077-1] Development of aerodynamic control system to control flutter over large range of oscillatory frequencies using stability augmentation techniques [NASA-CASE-LAR-10682-1] Boron radiation hardening for stabilizing gate threshold potential of MOS devices [NASA-CASE-LAR-10682-1] c09 N73-32114 STABILIZED PLATFORMS Hydraulic drive mechanism for leveling isolation platforms [NASA-CASE-XMS-03252] c15 N71-10658 STABILIZERS Design and development of satellite despin device [NASA-CASE-XMF-08523] c31 N71-20396 STABILIZERS (AGENTS) Solid propellant stabilizer containing nitroquanidine [NASA-CASE-NPO-12000] c27 H72-25699 STABILIZERS (FLUID DYNAMMICS) Assembly for opening flight capsule stabilizing and decelerating flaps with reference to capsule recovery [NASA-CASE-XMF-00641] c31 N70-36410 Mechanical stabilization system for VTCL aircraft [NASA-CASE-XLA-06339] c02 N71-13422 Attitude stabilization for nonquided missile on vehicle with respect to trajectory [NASA-CASE-ARC-10134] c30 N72-17873 Inflatable stabilizing system for use on life raft to reduce rocking and preclude capsizing [NASA-CASE-MSC-12393-1] STABLE OSCILLATIONS Automatic measuring and recording of qain and

STACKS	[NASA-CASE-XNP-01058] C09 N71-12540
Remote fire stack igniter on went stack with flame cage near top	STATIC PRICTION
[NASA-CASE-MFS-21675-1] c33 N73-31826	Kinetic and static friction force measurement between magnetic tape and magnetic head surfaces
STAGE SEPARATION Stage separation using remote control release of	[NASA-CASE-XNP-08680] c14 N71-22995
joint with explosive insert	STATIC INVERTERS Describing static inverter with single or
[NASA-CASE-XLA-02854] c15 N69-27490	multiple phase output
Piezoelectric means for missile stage separation indication and stage initiation	[NASA-CASE-XMF-00663] c08 N71-18752 Development and characteristics of oscillating
[NASA-CASE-XLA-00791] c03 N70-39930	static inverter
Space vehicle stage coupling and quick release separation mechanism	[NASA-CASE-XGS-05289] c09 N71-19470 STATIC LOADS
[NASA-CASE-XLA-01441] c15 N70-41679	Measuring shear-creep compliance of solid and
Stage separation system for spinning vehicles and payloads	liquid materials used in spacecraft components
[NASA-CASE-XLA-02132] c31 N71-10582	[NASA-CASE-XLE-01481] c14 N71-10781 Apparatus for measuring load on cable under
Payload/spent rocket engine case separation system [NASA-CASE-XLA-05369] c31 N71-15687	static or dynamic conditions comprising
Separation mechanism for use between stages of	<pre>pulleys pivoting structure against restraint of tension strap</pre>
multistage rocket vehicles [NASA-CASE-XLA-00188] c15 N71-22874	[NASA-CASE-XMS-04545] c15 N71-22878
Development of remotely controlled shaped charge	STATIC PRESSURE Pressure probe for sensing ambient static air
for lateral displacement of rocket stages	pressures
after separation [NASA-CASE-XLA-04804] c31 N71-23008	[NASA-CASE-XLA-00481] c14 N70-36824
Electrical circuit selection device for	Ambient atmospheric pressure sensing device for determining altitude of flight vehicles
simulating stage separation of flight vehicle [NASA-CASE-XKS-04631] c10 N71-23663	[NASA-CASE-XLA-00128] c15 N70-37925 STATIONKEEPING
Frangible connecting link suitable for rocket	Method of stationkeeping for lenticular gravity
stage separation [NASA-CASE-MSC-11849-1] c15 N72-22488	gradient satellites
STAGNATION PRESSURE	[NASA-CASE-XLA-03132] c31 N71-22969 STATISTICAL CORRELATION
Flow meter for measuring stagnation pressure in boundary layer around high speed flight vehicle	Optical sensing of supersonic flows by
[NASA-CASE-XFR-02007] c12 N71-24692	correlating deflections in laser beams through
Device for measuring stagnation pressure of supersonic gas streams	[NASA-CASE-MFS-20642] c14 N72-21407
[NASA-CASE-LAR-11139-1] c14 N73-20483	STEAM TURBINES
STAGNATION TEMPERATURE	Vapor generating boiler system for turbine motor [NASA-CASE-XLE-00785] c33 N71-16104
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[NASA-CASE-XLE-00266] c14 N70-34156 STAINLESS STERLS	[NASA-CASE-GSC-10361-1] . c18 N72-23581
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aluminum coatings onto titanium coated stainless steel and brazing aluminum to	progressively related phase angles for driving
aluminum/titanium coated steel	antenna array [NASA-CASE-ERC-10046] c10 N71-18722
[NASA-CASE-MFS-07369] c15 N71-20443 Ultrasonic scanning system for in-place	Satellite radio communication system with remote
inspection of brazed steel tube joints	steerable antenna [NASA-CASE-XNP-02389] c07 N71-28900
[NASA-CASE-MFS-20767] c15 N72-21482 STAR TRACKERS	Amplitude steered antenna array approximating
Star sensor system for roll attitude control of	performance of electronically steered phased array
spacecraft	[NASA-CASE-GSC-11446-1] c09 N73-32117
[NASA-CASE-XNP-01367] c21 N70-41856 Sun tracker with rotatable plane-parallel plate	STEERING
and two photocells	Steerable solid propellant rocket motor adapted to effect payload orientation as multistage
[NASA-CASE-XGS-01159] c21 N71-10678 Photomultiplier detector of Canopus for	rocket stage or reduce velocity as retrorocket
spacecraft attitude control	[NASA-CASE-XNP-00234] c28 N70-38645 STELLAR LUMINOSITY
[NASA-CASE-XNP-03914] c21 N71-10771 Attitude detection system using stellar	Development of star intensity measuring system
references for three-axis control and spin	which minimizes effects of outside interference [NASA-CASE-XNP-06510] c14 N71-23797
stabilized spacecraft [NASA-CASE-XGS-03431] c21 N71-15642	STELLAR SPECTRA
Relay controlled voltage switching unit for	Development of star intensity measuring system which minimizes effects of outside interference
scanning circuitry of star tracker	[NASA-CASE-XNP-06510] C14 N71-23797
Production measures for visible and ultraviolet	STEREOPHOTOGRAPHY Stereo photomicrography system with stereo
transmitting reticles for star trackers	microscope for viewing specimen at various
NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner for spin-stabilized spacecraft	magnifications [NASA-CASE-LAR-10176-1] c14 N72-20380
[NASA-CASE-GSC-11569-1] C14 N73-11404	STEREOSCOPIC VISION
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[NASA-CASE-GSC-11188-2]	projecting pair of binocular images [NASA-CASE-ARC-10160-1] c23 N72-27728
Production method of star tracking reticles for transmitting in visible and near ultraviolet	STERILIZATION
regions	Using ethylene oxide in preparation of sterilized solid rocket propellants and
[NASA-CASE-GSC-11188-1] c14 N73-32320 Strapped down gyroscope aligned with sun and	encapsulating materials
star tracker optical axis calibrating roll.	[NASA-CASE-XNP-01749] c27 N70-41897 Ethylene oxide sterilization and encapsulating
yaw and pitch values	process for sterile preservation of
STARTERS	instruments and solid propellants
Starting circuit design for initiating and	[NASA-CASE-XNP-09763] c14 N71-20461 Environmentally controlled suit for working in
maintaining arcs in wapor lamps	sterile chamber

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[NASA-CASE-LAR-10076-1] c05 N73-20137	Method for making semiconductor p-n junction
Protein sterilization of firefly luciferase	stress and strain sensor
without denaturation [NASA-CASE-GSC-10225-1] c06 N73-27086	[NASA-CASE-KLA-04980-2] c14 N72-28438 Development of strain gage ambiguity sensor for
STERILIZATION EFFECTS	measuring alignment of optical mirror segments
Reliability of electrical connectors after heat	[NASA-CASE-MFS-20506-1] c14 N73-17563
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STINULATED EMISSION	[NASA-CASE-MPS-21488-1] c14 N73-23526
Repetitively pulsed wavelength selective carbon	Development of strain gage mounting assembly for amplifying measurable deformation applied to
dioxide laser [NASA-CASE-ERC-10178] c16 N71-24832	strain gage
STIRRING	[NASA-CASE-NPO-13170-1] c14 N73-28495
Design of mechanical device for stirring several test tubes simultaneously	STRAIN RATE Process for analysis of strain field of
[NASA-CASE-XAC-06956] c15 N71-21177	structures subjected to large deformations
STORAGE	involving low modulus substrate with thin
Design and development of fluid sample collector [NASA-CASE-XMS-06767-1] c14 N71-20435	coating [NASA-CASE-LAR-10765-1]
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Automatically charging battery of electric	[NASA-CASE-ARC-10716-1] c31 N73-32784
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[NASA-CASE-XGS-01674] c03 N71-29129	structures subjected to large deformations
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[NASA-CASE-LAR-10373-1] c18 N71-26155	Method and apparatus for inducing compressive stresses in pressure vessel to prevent stress
STORAGE TABKS Expulsion bladder equipped storage tank structure	corrosion
[NASA-CASE-XNP-00612] c11 N7C-38182	[NASA-CASE-XLA-07390] c15 N71-18616
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[NASA-CASE-XMF-02392] c32 N71-24285	provide stress and strain sensor
Tank heater for lowering viscosity of highly	[NASA-CASE-XLA-04980] c09 N69-27422
viscous liquids in storage tanks [NASA-CASE-WLP-10040-1] c15 N73-13475	Force measuring instrument for structural members, particularly fastening bolts or studs
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[NASA-CASE-XLA-00492] c14 N70-34799	[NASA-CASE-MFS-12827] c14 N71-17656
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Water cooled gage for strain measurements in	thermally and mechanically induced stresses
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[NASA-CASE-XNP-09205] c14 N71-17657 Development of apparatus for measuring	STRETCHERS Development and characteristics of rescue litter
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[NASA-CASE-XMF-04680] c15 N71-19489 Strain gage measurement of elongation due to	rescue application [NASA-CASE-XMS-04170] c05 N71-22748
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[NASA-CASE-XGS-04478] c14 N71-24233	capability of supporting immobilized person in
Method for temperature compensating semiconductor gages by exposure to high energy	<pre>vertical position for removal from vehicle hatch to exterior also useful as splint</pre>
radiation	stretcher
[NASA-CASE-XLA-04555-1] c14 N71-25892	[NASA-CASE-XMF-06589] C05 N71-23159
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Cord restraint system for pressure suit joints	above transonic speeds
[NASA-CASE-XMS-09635] c05 N71-24623 STRUCTURAL DESIGN	[NASA-CASE-XLA-01486] CO 1 N71-23497 SUBSONIC WIND TUNNELS
Design of inflatable life raft for aircrafts and	Variable geometry wind tunnel for testing
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[NASA-CASE-XMS-00863]	[NASA-CASE-XLA-07430] c11 N72-22246
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Broadband chokes and absorbers to reduce	solar cells to base members or substrates
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movement of skin sections with respect to	plating metals on substrates without masking
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shafts or members	of pellets to X rays
[NASA-CASE-NPO-10646] c15 N71-28467 Fabrication of light weight panel structure	[NASA-CASE-XNP-06031] c15 N71-15606
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[NASA-CASE-GSC-11149-1] C15 N73-30457	for heat and moisture resistant coatings
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Optical apparatus for visual detection of	porous metal wall
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[NASA-CASE-XMF-00462] c14 N70-34298 Describing device for surveying contour of	SWEEP CIRCUITS Transistorized circuit for producing multiple
surface using X-Y plotter and traveling	slope voltage sweep
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[NASA-CASE-XGS-01230] c08 N71-19544	by measuring deflection of electron beam
Spatter proof evaporant source design for use in	impinging on target
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[NASA-CASE-XMF-06065] c15 N71-20395	with feedback control and display device
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[NASA-CASE-XMS-02009] c33 N71-20834 Polarization diversity monopulse tracking	<pre>with display device for pulse frequency modulation</pre>
receiver design without radio frequency switches	[NASA-CASE-XNP-09759]
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Digital cardiotachometer incorporating circuit for measuring heartbeat rate of subject over	expanded playback [NASA-CASE-ARC-10003-1] c09 N71-25866
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Conversion system for transforming slow scan	[NASA-CASE-ARC-10467-1] c09 N73-14214 TEMPERATURE CONTROL
rate of Apollo TV camera on moon to fast scan	Method and apparatus using temperature control
of commercial TV [NASA-CASE-XMS-07168] c07 N71-11300	for wavelength tuning of liquid lasers
	[NASA-CASE-ERC-10187] c16 N69-31343

Ultraviolet radiation resistant alkali-metal	[NASA-CASE-XAC-11225] c14 N69-27486
silicate coatings for temperature control of	Differential pressure cell insensitive to
spacecraft	changes in ambient temperature and extreme
[NASA-CASE-XGS-04119] c18 N69-39979	overload
Passive thermal control coating on aluminum foil	[NASA-CASE-XAC-00042] C14 N70-34816
laminate for inflatable spacecraft surfaces	Fluid flow control valve for regulating fluids
[NASA-CASE-XLA-01291] c33 N70-36617	in molecular quantities
Thermal switch for transferring excess heat from	(NASA-CASE-XLE-00703) c15 N71-15967
one region to another heat dissipating one	Describing device for changing flow rate of
[NASA-CASE-XNP-C0463] c33 N70-36847	fluid in duct in response to change in
Sandwich panel structure for removing heat from	temperature FNASA-CASE-MFS-142591
shield between hot and cold areas	[NASA-CASE-MFS-14259] c15 N71-19213 Temperature sensitive magnetometer with
[NASA-CASE-XLA-00349] c33 N70-37979	pulsating thermally cycled magnetic core
Device for adding water to high velocity exhaust	[NASA-CASE-XAC-03740] c14 N71-26135
jets to reduce velocity, noise, and temperature	Development of system with electrical properties
[NASA-CASE-XMF-01813] c28 N70-41582	which vary with changes in temperature for use
Modifying existing solar cells for temperature	with feedback loop in operational amplifier
control [NASA-CASE-NPO-10109] C03 N71-11049	circuit
	[NASA-CASE-MSC-13276-1] c14 N71-27058
Temperature sensor warning system for pneumatic tires of aircraft and ground vehicles	Procedure for repairing and recovering voice
[NASA-CASE-XLA-01926] c14 N71-15620	data from heat damaged magnetic tapes
Intermittent type silica gel adsorption	[NASA-CASE-MSC-14219-1] CO7 N73-16132
refrigerator for providing temperature control	TEMPERATURE GRADIENTS
for spacecraft components	Differential thermopile for measuring cooling
[NASA-CASE-XNP-00920] c15 N71-15906	water temperature rise
Using heat control unit to preheat circulating	[NASA-CASE-XAC-00812] c14 N71-15598
fluid	Temperature corrected circuit for gyroscope or
[NA SA - CASE - XMF - 04237] c33 N71-16278	accelerometer of digital rebalance type
Mounting apparatus for temperature control system	[NASA-CASE-NPO-13044-1] c14 N73-13436
r na sa - case - npo - 10 138 1	Development of temperature compensated light
Design and development of device for cooling	source with components and circuitry for
inner conductor of coaxial cable	maintaining luminous intensity independent of
[NASA-CASE-XNP-C9775] CO9 N71-20445	temperature variations
Thermal control wall panel with application to	[NASA-CASE-ARC-10467-1] c09 N73-14214
spacecraft cabins	Method and device for verifying reliability of
[NASA-CASE-XLA-01243] c33 N71-22792	fire detectors [NASA-CASE-GSC-11600-1]
Development and characteristics of thermal	(222
sensitive panel for controlling ratio of solar	TEMPERATURE HEASUREMENT Thin film gage for measuring convective heat
absorptivity to surface emissivity for space	transfer on surfaces in air stream
vehicle temperature control	[NASA-CASE-NPO-10617] C14 N70-12618
[NASA-CASE-XLA-07728] c33 N71-22890	Filter arrangement for controlling light
Method and apparatus for adjusting thermal conductance in electronic components for space	intensity in motion picture camera used in
	optical pyrometry
use [NASA-CASE-XNP-05524] c33 N71-24876	[NASA-CASE-XLA-00062] c14 N70-33254
Device for rapid adjustment and maintenance of	Development of apparatus for measuring thermal
temperature in electronic components	conductivity
[NASA-CASE-XNP-02792] c14 N71-28958	[NASA-CASE-XGS-01052] c14 N71-15992
Automatic control device for regulating inlet	Design and characteristics of thermocouples
water temperature of liquid cooled spacesuit	consisting of flexible tape for improved
[NASA-CASE-MSC-13917-1] c05 N72-15098	attachment to temperature source
Development of method for controlling vapor	[NASA-CASE-XNP-01659] c14 N71-23039
content of qas	Black body cavity radiometer with thermal
[NASA-CASE-NPO-10633] CO3 N72-28025	resistance wire bridge circuit
Development of Mylar enclosure for maintaining	[NASA-CASE-XNP-08961] c14 N71-24809
temperature of balloon-borne batteries and	Design, development, and characteristics of pressure and temperature sensor operating
electronic modules	immersed in fluid flow
[NASA-CASE-GSC-11620-1] c14 N72-33379	[NASA-CASE-LEW-10281-1] c14 N72-17327
Atomic hydrogen maser with bulb temperature	Elastic mandrel fabrication of thin bottom walls
<pre>control by output frequency difference signal for wall shift elimination</pre>	with cavities for temperature measurement
	[NASA-CASE-LAR-10318-1] C14 N72-20396
[NASA-CASE-HQN-10654-1] c16 N73-13489 Design and development of thermomechanical pump	Development of thermocouple instrument for
for transmitting warming fluid through fluid	measuring temperature of wall heated by
circuit to control temperature of spacecraft	flowing fluid without disturbing boundary layer
instrumentation	[NASA-CASE-XLE-05230] C14 N72-27410
[NASA-CASE-NPG-11417] c15 N73-24513	Development of method for measuring temperature
Automatic temperature control for liquid cooled	of wind tunnel scale model by photographic
space suit	recording of changes in thin film phase-change
[NASA-CASE-ARC-10599-1] c05 N73-26071	temperature indicating material
Temperature control system comprised of	[NASA-CASE-LAR-11053-1] c33 N73-11972
wheatstone bridge with RC circuit	Thermocouple apparatus for measuring wall
[NASA-CASE-NPO-11304] c14 N73-26430	temperatures in regeneratively cooled rocket
Development and characteristics of thermal	engines having thin walled cooling passages [NASA-CASE-XLE-05230-2] c14 N73-13417
control system for maintaining constant	I HADE CHOOL ALL COLORS
temperature within spacecraft module with wide	Thermochromic compositions for detecting heat levels in electronic circuits and devices
variations of component heat transfer	[NASA-CASE-NPO-10764-1] c14 N73-14428
[NASA-CASE-GSC-11018-1] c31 N73-30829	TEHPERATURE MEASURING INSTRUMENTS
Temperature control of welding equipment by detection of discrete bands of infrared	Temperature sensor warning system for pneumatic
detection of discrete bands of infrared radiation from objects being heated	tires of aircraft and ground vehicles
[NASA-CASE-MFS-20781-2] c14 N73-31401	[NASA-CASE-XLA-01926] C14 N71-15620
TEMPERATURE DISTRIBUTION	Electric network for monitoring temperatures,
Oven for heat treating heat shields	detecting critical temperatures, and
[NASA-CASE-XMS-04318] C15 N69-27871	indicating critical time duration
TEMPERATURE EFFECTS	[NASA-CASE-XMF-01097] c10 N71-16058
Shock and vibration damping device using	Electromagnetic energy detection by thermal
temperature sensitive solid amorphous polymers	sensor with vibrating electrode

SUBJECT INDEX TEST EQUIPMENT

[NASA-CASZ-XAC-10768] cc9 N71-18830	
	[NASA-CASE-XNP-05634] c15 N71-24834
Input radio frequency circuit for switching type	TENSILE TESTS
absolute temperature measuring radiometer for noise sources	Apparatus for tensile strength testing of specimen by pressurized fluid
[NASA-CASE-ERC-11020] c14 N71-26774	[NASA-CASE-XKS-06250] C14 N71-15600
High intensity radiant energy pulse source for	Apparatus for measuring load on cable under
calibrating heat transfer gages with thermoluminescent shutter activation	static or dynamic conditions comprising
[NASA-CASE-ARC-10178-1] CO9 N72-17152	<pre>pulleys pivoting structure against restraint of tension strap</pre>
Ingestible miniaturized telemetry device for	[NASA-CASE-XMS-C4545] c15 N71-22878
deep body temperature measurements on humans	Method and apparatus for remote measurement of
and animals [NASA-CASE-ARC-10583-1] c05 N73-14093	displacement of marks on specimen undergoing
Development of flexible thermocouple in form of	tensile test [NASA-CASE-NPO-10778] c14 N72-11364
tape for adaptation to special temperature	Development of test apparatus for subjecting
measuring conditions	metal specimen to tensile and compressive
[NASA-CASE-LEW-11072-1] c14 N73-24472 TEMPERATURE PROBES	loads at constant temperature
Thermally sensitive tuning probe for nullifying	[NASA-CASE-LAR-10426-1] C32 N72-27947 TERMINAL GUIDANCE
detuning effects in microwave cavity resonator	Data processing and display system for terminal
of amplifier	quidance of X-15 aircraft
[NASA-CASE-XNP-00449] c14 N70-35220 Design, development, and characteristics of	[NASA-CASE-XPR-00756] c02 N71-13421
pressure and temperature sensor operating	Terminal quidance system for quiding aircraft into preselected altitude and/or heading at
immersed in fluid flow	terminal point
[NASA-CASE-LEW-10281-1] c14 N72-17327 Organic amine and nitroaromatic mixed compound	(NASA-CASE-FRC-10049-1] c21 N72-21632
for heat change detection in microelectronic	TERRAIN Vertically descending flight mobiels leading
components	Vertically descending flight vehicle landing gear for rough terrain
[NASA-CASE-NPO-10764-2] c10 N73-20259	[NASA-CASE-XMF-01174] c02 N70-41589
TEMPERATURE SENSORS Miniaturized radiometer for detecting low level	TEST CHAMBERS
thermal radiation	System for continuous monitoring of exhalations, weighing, and cage cleaning for animal exposed
[NASA-CASE-XLA-04556] C14 N69-27484	to controlled atmosphere for toxic study
Mounting fixture for supporting thermobulb in pipeline	[NASA-CASE-XAC-05333] c11 N71-22875
[NASA-CASE-NPO-10158] c33 N71-16356	Multisample test chamber for exposing materials
Mounting apparatus for temperature control system	to X rays, temperature change, and qaseous conditions and determination of material effects
[NASA-CASE-NPO-10138] c33 N71-16357	[NASA-CASE-XMS-02930] c11 N71-23042
Heat flux sensor adapted for mounting on aircraft or spacecraft to measure aerodynamic	Flammability test chamber for testing materials
heat flux inflow to aircraft skin	in certain predetermined environments [NASA-CASE-KSC-10126] c11 N71-24985
[NASA-CASE-XFR-03802] c33 N71-23085	Pressure seals suitable for use in environmental
Temperature telemetric transmitter with	test chambers
frequency determining tank circuit for short range transmission	[NASA-CASE-NPO-10796] c15 N71-27068
[NASA-CASE-NPO-10649] c07 N71-24840	Test chamber for determining decomposition and autoignition of materials used in spacecraft
Black body radiometer design with temperature	under controlled environmental conditions
sensing and cavity heat source cone winding	
	[NASA-CASE-KSC-10198] c11 N71-28629
[NASA-CASE-XNP-09701] c14 N71-26475	Test chambers with orifice and helium mass
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor	Test chambers with orifice and helium mass spectrometer for detecting leak rate of
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NaSA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NaSA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NaSA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-IMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STERNICH	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STRENGTH Method for producing fiber reinforced metallic	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STERNGTH Method for producing fiber reinforced metallic composites with high strength and elasticity	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STERRETH Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STRENGTH Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198 Composites reinforced with short metal fibers or	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples consisting of flexible tape for improved attachment to temperature source
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STEHNGTH Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198 Composites reinforced with short metal fibers or whiskers and having high tensile strength	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples consisting of flexible tape for improved attachment to temperature source [NASA-CASE-XNP-01659] c14 N71-23039
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STEREGTH Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198 Composites reinforced with short metal fibers or whiskers and having high tensile strength [NASA-CASE-XLE-00228] c17 N70-38490	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples consisting of flexible tape for improved attachment to temperature source [NASA-CASE-XNP-01659] c14 N71-23039 Automatic controlled thermal fatigue testing
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STERMETH Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198 Composites reinforced with short metal fibers or whiskers and having high tensile strength [NASA-CASE-XLE-00228] c17 N70-38490 Apparatus for tensile strength testing of specimen by pressurized fluid	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples consisting of flexible tape for improved attachment to temperature source [NASA-CASE-XNP-01659] c14 N71-23039 Automatic controlled thermal fatique testing apparatus
[NASA-CASE-XNP-09701] c14 N71-26475 Thin film capacitive bolometer and capacitance temperature interchange sensor [NASA-CASE-NPO-10607] c09 N71-27232 Development of thin film temperature sensor from TaO [NASA-CASE-NPO-11775] c26 N72-28761 TEMPLATES Precision surface cutter for screen circuit negatives and other microcircuits [NASA-CASE-XLA-09843] c15 N72-27485 TENSILE STERNEGE Method for producing fiber reinforced metallic composites with high strength and elasticity over wide temperature range [NASA-CASE-XLE-00231] c17 N70-38198 Composites reinforced with short metal fibers or whiskers and having high tensile strength [NASA-CASE-XLE-00228] c17 N70-38490 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600	Test chambers with orifice and helium mass spectrometer for detecting leak rate of encapsulated semiconductor devices [NASA-CASE-ERC-10150] c14 N71-28992 TEST EQUIPMENT Equipment for testing of ground station ranging equipment and spacecraft transponders [NASA-CASE-XMS-05454-1] c07 N71-12391 Apparatus for tensile strength testing of specimen by pressurized fluid [NASA-CASE-XKS-06250] c14 N71-15600 Development of black-body source calibration furnace [NASA-CASE-XLE-01399] c33 N71-15625 Design and characteristics of thermocouples consisting of flexible tape for improved attachment to temperature source [NASA-CASE-XNP-01659] c14 N71-23039 Automatic controlled thermal fatique testing apparatus [NASA-CASE-XLA-02059] c33 N71-24276 Development and characteristics of electric
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Test apparatus for determining mechanical	Inorganic thermal control and solar reflector
properties of refractory materials at high	coatings
temperatures in vacuum or inert atmospheres	[NASA-CASE-MFS-20011] c18 N72-22566
[NASA-CASE-XLE-00335] c14 N70-35368 Gas analyzer for bi-gaseous mixtures suitable	Mercaptan terminated polymer containing sulfonic acid salts of nitrosubstituted aromatic amines
for use in test facilities	for heat and moisture resistant coatings
[NASA-CASE-XLA-01131] c14 N71-10774	[NASA-CASE-ARC-10325] c06 N72-25147
Design and characteristics of device for	Refractory porcelain enamel passive thermal
launching models in wind tunnels without	control coating for high temperature alloys [NASA-CASE-MFS-22324-1] c18 N73-21471
disturbance of air flow [NASA-CASE-XNP-03578] c11 N71-23030	[NASA-CASE-MFS-22324-1] c18 N73-21471 THERMAL DEGRADATION
Design, development, and operation of shock tube	Use of silicon controlled rectifier shorting
with bypass piston tunnel	circuit to protect thermoelectric generator
[NASA-CASE-NPO-12109] c11 N72-22245	source from thermal destruction
TEST STANDS	[NASA-CASE-XGS-04808] c03 N69-25146 Electrical failure detector in solid rocket
Automatic balancing device for use on frictionless supported attitude-controlled	propellant motor insulation against thermal
test platforms	degradation by fuel grain
[NASA-CASE-LAR-10774] c10 N71-13545	[NASA-CASE-XMF-03968] c14 N71-27186
Micro-pound extended range thrust stand for	THERMAL EMISSION Calorimeter for measuring thermal output of
small rocket engines [NASA-CASE-GSC-10710-1] c28 N71-27094	nickel cadmium batteries
TETHERING	[NASA-CASE-GSC-11434-1]
Force separation rigid tethering device using	THERMAL ENERGY
cables	Direct conversion of thermal energy into
[NASA-CASE-XLA-02332] c32 N71-17609 Space expandable tether device for use as	electrical energy using crossed electric and magnetic fields
passageway between two docked spacecraft	[NASA-CASE-XLE-00212]
[NASA-CASE-XMS-10993] c15 N71-28936	Concentrator device for controlling direction of
TETHERLINES	solar energy onto energy converters
Flexible cable that can be made rigid	[NASA-CASE-XLE-01716] c09 N70-40234 Storage stable, thermally activated foaming
[NASA-CASE-MSC-13512-1] c15 N72-22485 Underwater recovery assembly for ejectable sound	compositions for erecting and rigidizing
source mounted on mobile device	mechanisms of thin sheet solar collectors
f nace grow tan 10505 11 -45 N70 24802	[NASA-CASE-LAR-10373-1] c18 N71-26155
[NASA-CASE-LAR-10595-1] c15 N72-31493	
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TETRAPHENYLS Chemical synthesis of thermally stable	Gaseous core diffusion nuclear reactor for thermal energy generation
TETRAPHENYLS Chemical synthesis of thermally stable organometallic polymers with divalent metal	Gaseous core diffusion nuclear reactor for thermal energy generation [NASA-CASE-LEW-10250-1] c22 N71-28759
TETRAPHENYLS Chemical synthesis of thermally stable organometallic polymers with divalent metal ion and tetraphenylphosphonitrilic units	Gaseous core diffusion nuclear reactor for thermal energy generation
TETRAPHENYLS Chemical synthesis of thermally stable organometallic polymers with divalent metal ion and tetraphenylphosphonitrilic units [NASA-CASE-HQN-10364] c06 N71-27363 TEXTILES	Gaseous core diffusion nuclear reactor for thermal energy generation [NASA-CASE-LEW-10250-1] c22 N71-28759 Direct thermal energy conversion using thermal absorption principle [NASA-CASE-ARC-10461-1] c33 N73-20931
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TETRAPHENTIS Chemical synthesis of thermally stable organometallic polymers with divalent metal ion and tetraphenylphosphonitrilic units [NASA-CASE-HQN-10364] c06 N71-27363 TEXTILES Process for developing flame retardant elastomeric composition textiles for use in	Gaseous core diffusion nuclear reactor for thermal energy generation [NASA-CASE-LEW-10250-1] c22 N71-28759 Direct thermal energy conversion using thermal absorption principle [NASA-CASE-ARC-10461-1] c33 N73-20931 Electrostatically controlled heat transfer system for conducting thermal energy
TETRAPHENYLS Chemical synthesis of thermally stable organometallic polymers with divalent metal ion and tetraphenylphosphonitrilic units [NASA-CASE-HQN-10364] c06 N71-27363 TEXTILES Process for developing flame retardant elastomeric composition textiles for use in space suits	Gaseous core diffusion nuclear reactor for thermal energy generation [NASA-CASE-LEW-10250-1] c22 N71-28759 Direct thermal energy conversion using thermal absorption principle [NASA-CASE-ARC-10461-1] c33 N73-20931 Electrostatically controlled heat transfer
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TETRAPHENYLS Chemical synthesis of thermally stable organometallic polymers with divalent metal ion and tetraphenylphosphonitrilic units [NASA-CASE-HQN-10364] c06 N71-27363 TEXTILES Process for developing flame retardant elastomeric composition textiles for use in space suits [NASA-CASE-HSC-14331-1] c18 N73-27501 THERMAL ABSORPTION Development and characteristics of calorimeter with integral heat sink for maintenance of constant temperature [NASA-CASE-MMF-04208] c33 N71-29051	Gaseous core diffusion nuclear reactor for thermal energy generation [NASA-CASE-LEW-10250-1] c22 N71-28759 Direct thermal energy conversion using thermal absorption principle [NASA-CASE-ARC-10461-1] c33 N73-20931 Electrostatically controlled heat transfer system for conducting thermal energy [NASA-CASE-NPO-11942-1] c33 N73-32818 THERMAL EXPANSION Gas valve operated by thermally expanding and contracting device [NASA-CASE-XLE-00815] c15 N70-35407 Adjustable rigid mount for trihedral mirror formed of alloy with small coefficient of

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THERMAL STRESSES SUBJECT INDEX

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	Development of colid state polymer coating for
Application of spiral, bimetallic strip to create circular motion on mechanical shaft by	Development of solid state polymer coating for obtaining thermal balance in spacecraft
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THERMAL PATIGUE Automatic controlled thermal fatique testing	with temperature reducing coatings against
apparatus	flames
[NASA-CASE-XLA-02059] c33 N71-24276	[NASA-CASE-XLE-00035] c33 N71-29151 Ablative heat shield for protection from
THERMAL INSULATION Low thermal loss piping arrangement for moving	aerodynamic heating of reentry spacecraft
cryogenic media through double chamber structure	[NASA-CASE-MSC-12143-1] c33 N72-17947
[NASA-CASE-XNP-08882] c15 N69-39935	Lightweight fire resistant plastic foam for thermal protection of reentry vehicles and
Insulating system for receptacles of liquefied gases using wire cloth for forming frost layer	aircraft structures
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Carbon dioxide purge systems to prevent	[NASA-CASE-XLA-04556] c14 N69-27484
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[NASA-CASE-XLA-00892] c33 N71~17897 Prefabricated multilayered self-evacuating	resistance wire bridge circuit
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[NASA-CASE-XLE-02647] c18 N71-23658 Development of foam insulation for filament	[NASA-CASE-XLE-05799] c22 N72-21644
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(NASA-CASE-XLE-03803] c15 N71-23816 Multilayer insulation panels for cryogenic	uses inorganic ion exchanger [NASA-CASE-LEW-11645-2] c22 N73-28660
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Double-wall isothermal cylinder containing heat transfer fluid thermal reservoir as spacecraft	<pre>diode, fuse, and blown indicator with elongated tube of heat resistant transparent</pre>
insulation cover	material
[NASA-CASE-MFS-20355] c33 N71-25353	[NASA-CASE-XKS-C3381] C09 N71-22796
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eliminating heat shorts for use in	ablating materials
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[NASA-CASE-MFS-20261] c14 N71-27005	[NASA-CASE-XLE-02024] c14 N71-22964 Thermal shock resistant hafnia ceramic materials
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[NASA-CASE-ARC-10304-1] c18 N73-26572	THERMAL STABILITY
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control system for maintaining constant temperature within spacecraft module with wide	[NASA-CASE-ERC-10073] c06 N70-12627
variations of component heat transfer	Bonded solid lubricant coatings of calcium
[NASA-CASE-GSC-11018-1] c31 N73-30829 Structural heat pipe for spacecraft wall thermal	fluoride and binder for high temperature stability
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ablation structures [NASA-CASE-XMS-01816] c33 N71-15623	temperature to cause bonding of metal coatings, and tested for thermal stability
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emitters	flowing fluid without disturbing boundary layer
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Vacuum thermionic converter with short-circuited triodes and increased electron transmission	from thermoelectrically different metals
and conversion efficiency	I NASA-CASE-LEW-11072-2] c14 N72-28443
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Thermionic converter for converting heat energy	temperatures in requneratively cooled rocket
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[NASA+CASE-XLE-01903] c22 N71-23599	NASA-CASE-XLE-05230-2] c14 N73-13417 Electrical resistance butt welder for welding
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[NASA-CASE-NPO-10412] CO9 N71-28421 Development and characteristics of solar cells	Development of flexible thermocouple in form of
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[NASA-CASE-XMF-05843] c03 N71-11055	trisiloxane as lubricant fluids in severe
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temperature region to chop current from dc	[NASA-CASE-MFS-22411-1] c15 N73-28532 Cobalt-tungsten alloys with superior strength at
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[NASA-CASE-NPO-10404] c03 N71-12255	[NASA-CASE-LEW-10436-1] c17 N73-32415
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I NASA-CASE-NPO-10764-11 614 N73-14428	[NASA-CASE-XGS-04554] c15 N69-39786 Procedure for segmenting lead telluride and
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[NASA-CASE-XMS-05909-1] c14 N69-27459	device and fuel cell using molten salt to
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compounds		of wind tunnel scale model by photographic
[NASA-CASE-LAR-10782-1]	c15 N72-21487	recording of changes in thin film phase-change
Heat treatment and tooling for formi	ng shapes	temperature indicating material
from thermosetting honeycomb core		[NASA-CASE-LAR-11053-1] c33 N73-11972
	c15 N72-24522	Development of procedure for producing thin transparent films of zinc oxide on transparent
Vacuum displacement compression mold tubular bodies from thermosetting	nlactics	refractory substrate
[NASA-CASE-LAR-10782-2]	c15 N73-31444	[NASA-CASE-FRC-10019] c15 N73-12487
THERMOSTATS	0,0 0,,,,	Process for analysis of strain field of
Thermal switch for transferring exce	ss heat from	structures subjected to large deformations
one region to another heat dissipa		involving low modulus substrate with thin
	c33 N70-36847	coating [NASA-CASE-LAR-10765-1]
Design and development of linear act	uator based	[NASA-CASE-LAR-10765-1] c32 N73-20740 Method for vapor deposition of thin films
on bimetallic spring expansion	c15 N72-12409	[NASA-CASE-MFS-20775-1] c26 N73-23770
[NASA-CASE-NPO-10637] THICK FILMS	C15 M12 12405	Dual wavelength system for monitoring film
Depositing adherent thick layers of	conducting	deposition
metals on oxide surfaces		[NASA-CASE-MPS-20675] c26 N73-26751
[NASA-CASE-XER-11018]	c15 N70-22246	Monomer polymerization by plasma discharge as
Material compositions and processes	for	thin film for water purification membrane [NASA-CASE-ARC-10643-1] c06 N73-29074
developing dielectric thick films	used in	Thin film analyzer utilizing holographic
microcircuit capacitors [NASA-CASE-LAR-10294-1]	c26 N72-28762	techniques
THIN PILMS	020 11/2 20/02	[NASA-CASE-MFS-20823-1] c16 N73-30476
Temperature sensitive capacitor devi	ce for	Transparent switchboard which permits optical
detecting very low intensity infra	red radiation	display devices to be adapted for use in man
	c14 N69-39937	machine communications
Thin film gage for measuring convect	ive heat	[NASA-CASE-MSC-13746-1] c10 N73-32143
transfer on surfaces in air stream	c14 N70-12618	THIN WALLED SHELLS Thin walled pressure test vessel using
Vacuum deposition heater for deposit		low-melting alloy-filled joint to attach shell
film of evaporative material on su	ibstrate	to heads
surface		[NASA-CASE-XLE-04677] c15 N71-10577
[NASA-CASE-NPO-11009]	c15 N70-22292	THIN WALLS
Means and methods of depositing thin	n films on	Channel-type shell construction for rocket
substrates	-46 970 34077	engines and related configurations [NASA-CASE-XLE-00144] c28 N70-34860
[NASA-CASE-XNP-00595]	c15 N70-34967	[NASA-CASE-XLE-00144] c28 N70-34860 Sealed separable connection for thin wall metal
Method of forming thin window drifts charged particle detector	en PITICON	tube
[NASA-CASE-XLE-00808]	c24 N71-10560	f NASA-CASE-NPO-10064] C15 N71-17693
Describing apparatus used in vacuum		Elastic mandrel fabrication of thin bottom walls
of thin film inductive windings for		with cavities for temperature measurement
microcircuitry		[NASA-CASE-LAR-10318-1] C14 N72-20396
[NASA-CASE-XMF-01667]	c15 N71-17647	Low mass truss structure with elongated
		thin-walled tubular segments 1-179
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[NASA-CASE-LAR-10546-1] c11 N72-25287	given temperatures
Development of differential pressure control system using motion of mechanical diaphragms	[NASA-CASE-NPO-12070-1] c28 N73-32606
to operate electric switch	THRUST CONTROL
[NASA-CASE-MFS-14216] c14 N73-13418	Electromechanical actuator and its use in rocket thrust control valve
Procedure for fabricating element with cavity	[NASA-CASE-XNP-05975] C15 N69-23195
closed by thin wall with precisely shaped slit	Solid propellant rocket vehicle thrust control
[NASA-CASE-LAR-10409-1] c15 N73-20526 THORIUM PLUORIDES	method and apparatus
Ultraviolet filter of thorium fluoride and	[NASA-CASE-XNP-00217] c28 N70-38181 Thrust and attitude control apparatus using jet
cryolite on quartz base	nozzle in movable canard surface or fin
[NASA-CASE-XNP-0234G] C23 N69-24332 THREADS	configuration
Gage for quality control of sealing surfaces of	[NASA-CASE-XLE-03583] c31 N71-17629
threaded boss	Detonation reaction engine comprising outer
[NASA-CASE-XMF-04966] c14 N71-17658	housing enclosing pair of inner walls for continuous flow
Threadless fastener apparatus comprising	[NASA-CASE-XMF-06926] c28 N71-22983
receiving apertures for plurality of articles, self-locked condition, and capable of using	Low mass ionizing device for use in electric
nonmalleable materials in both ends	thrust spacecraft engines
[NASA-CASE-XFR-05302] C15 N71-23254	[NASA-CASE-XNP-01954] c28 N71-28850
THEESHOLD GATES	Heated porous plug microthrustor for spacecraft reaction jet controlled systems such as fuel
Apparatus with summing network for compression	flow regulation, propellant disassociation,
of analog data by decreasing slope threshold sampling	and heat transfer augmentation
[NASA-CASE-NPO-10769] c08 N72-11171	[NASA-CASE-GSC-10640-1]
Technique for stabilizing gate threshold	THRUST MEASUREMENT Dynamometer measuring microforce thrust produced
potential of MOS field effect device subjected	by ion engine
to radiation [NASA-CASE-GSC-11425-1] c24 N72-20637	[NASA-CASE-XLE-60702] C14 N70-40203
NASA-CASE-GSC-11425-11 c24 N72-20637 Boron radiation hardening for stabilizing gate	Development of thrust dynamometer for measuring
threshold potential of MOS devices	performance of jet and rocket engines
[NASA-CASE-GSC-11425-2] c09 N73-32114	[NASA-CASE-XLE-05260] c14 N71-20429 Development of temperature compensated thrust
THRESHOLD LOGIC	measuring gage for measuring forces as
Silicon controlled rectifier pulse gate amplifier for blocking false gating caused by	function of time in environment with warving
negative transient voltages	temperature
[NASA-CASE-XLA-07497] CO9 N71-12514	[NASA-CASE-XGS-02319] c14 N71-22965 Micro-pound extended range thrust stand for
THRUST	small rocket engines
Turbofans under wings to provide lift and thrust	[NASA-CASE-GSC-10710-1] C28 N71-2709#
for STOL aircraft [NASA-CASE-LEW-11224-1] c02 N72-10033	THRUST VECTOR CONTROL
THRUST AUGMENTATION	Thrust vector control by secondary injection of
Exhaust nozzle with afterburning for generating	fluid into rocket nozzle flow field to separate exhaust flow
thrust	[NASA-CASE-XLE-00208] C28 N70-34204
[NASA-CASE-XLA-00154] c28 N70-33374 Construction and method of arranging plurality	High velocity quidance and spin stabilization
of ion engines to form cluster thereby	gyro controlled jet reaction system for launch
increasing efficiency and control by	vehicle payloads [NASA-CASE-XLA-01339]
decreasing heat radiated to space	Ion beam deflector system for electronic thrust
[NASA-CASE-XNP-02923] c28 N71-23081 Adjustable airfoil for reversable cowl flap	vector control for ion propulsion yaw, pitch,
inlet thrust augmentation	and roll forces
[NASA+CASE+ARC-10754-1] c28 N73-32624	[NASA-CASE-LEW-10689-1] c28 N71-26173 Tertiary flow injection system for thrust
THRUST CHAMBERS	vectoring of propulsive nozzle flow
Rocket chamber leak test fixture using tubular plug	[NASA-CASE-MFS-20831] 628 N71-20152
[NASA-CASE-XFR-09479] c14 N69-27503	Development of thrust control system for
Supporting and protecting frame structure and	application to control of aircraft and spacecraft
plug for empty thrust chamber assembly.	[NASA-CASE-MSC-13397-1] c21 N72-25595
handling, and shipping [NASA-CASE-XMF-06580] c11 N7C-35383	Development of vortex fluid amplifier for
Large area-ratio nozzles for rocket motor thrust	throttling rocket exhaust
Chambers	[NASA-CASE-LEW-10374-1] c28 N73-13773 THRUST-WEIGHT RATIO
[NASA-CASE-XLE-00145] c28 N70-36806	Launch pad missile release system with bending
Method for shaping regeneratively cooled rocket	moment change rate reduction in thrust
motor casing having minimum thickness at each channel cross section	distribution structure at liftoff
[NASA-CASE-XLE-00409] C28 N71-15659	[NASA-CASE-XMF-03198] c30 N70-40353
Regeneratively cooled rocket motor casing with	Variable time constant, wide frequency range
tapered channels to insure minimum thicknesses	smoothing network for noise removal from pulse
at each channel cross section for necessary strength requirements	chains
[NASA-CASE-XLE-05689] 628 N71_15650	[NASA-CASE-XGS-01983] c10 N70-41964
bocket engine injector orifice to accommodate	Extra-long monostable multivibrator employing
Changes in density, velocity, and pressure	bistable semiconductor switch to allow
thereby maintaining constant mass flow rate of propellant into rocket combustion chamber	Charging of timing circuit
I NA SA - CASE - XLE - 03 157 1 628 N71 - 20726	[NASA-CASE-XGS-00381] c09 N70-34819
Puel and oxidizer injection head for thrust	TIME DIVISION MULTIPLEXING Synchronizing apparatus for multi-access
chamber of reaction engine	satellite time division multiplex system
[NASA-CASE-NPO-10046] c28 N72-17843 Continuous gas flow control by fluidic	I NASA-CASE-XGS-059181
proportional thruster system	Time division multiplexer with magnetic latching
[NA SA-CASE-ARC-10106-11	retays
Radial magnetic field for ion thruster	Data processor having multiple sections
[NASA-CASE-LEW-10770-1] C28 N72-22770 Thermal flux transfer system for maintaining	activated at different times by selective
thrust chamber of operative reaction motor at	power coupling to sections
at 10100 motor at	[NASA-CASE-XGS-04767] C08 N71-12494

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Minimum time delay unit for conventional time	High speed photo-optical time recorder for
multiplexed data compression channels [NASA-CASE-XNP-08832]	indicating time at exposure of each frame of high speed movie camera film
[NASA-CASE-XNP-08832] c08 N71-12506 Time division relay synchronizer with master	[NASA-CASE-KSC-10294] c14 N72-18411
sync pulse for activating binary counter to	TIRES
produce signal identifying time slot for station	Temperature sensor warning system for pneumatic
[NASA-CASE-GSC-10373-1] c07 N71-19773	tires of aircraft and ground vehicles [NASA-CASE-XLA-01926] c14 N71-15620
Sampling circuit for signal processing in multiplex transmission by Fourier analysis	Resilient wheel design with woven wire tire and
[NASA-CASE-NPO-10388] CO7 N71-24622	abrasive treads for lunar surface vehicles
Time division multiplexed telemetry transmitting	[NASA-CASE-MFS-13929] c15 N71-27091
system controlled by programmed memory [NASA-CASE-GSC-10131-1] c07 N71-24624	TITANATES Vacuum preparation of zinc titanate pigment
[NASA-CASE-GSC-10131-1] CO7 N71-24624 TIME FUNCTIONS	resistant to loss of reflective properties
Cathode ray oscilloscope for analyzing	[NASA-CASE-BFS-13532] c18 N72-17532
electrical waveforms representing amplitude	TITANION
distribution of time function [NASA-CASE-XNP-01383] c09 N71-10659	Joining aluminum to stainless steel by bonding aluminum coatings onto titanium coated
TIME LAG	stainless steel and brazing aluminum to
Closed loop radio communication ranging system	aluminum/titanium coated steel
to determine distance between moving airborne	[NASA-CASE-MFS-07369] c15 N71-20443
<pre>vehicle and fixed ground station [NASA-CASE-XNP-01501]</pre>	TITANIUM ALLOYS Method to prevent stress corrosion cracking in
Minimum time delay unit for conventional time	titanium alloys
multiplexed data compression channels	[NASA-CASE-NPO-10271] c17 N71-16393
[NASA-CASE-XNP-08832] C08 N71-12506	Chemical spot tests for identification of
Apparatus for estimating amplitude and sign of phase difference or time lag between two signals	titanium and titanium alloys used in aerospace vehicles
[NASA-CASE-NPO-11203] c10 N72-20224	[NASA-CASE-LAR-10539-1] c17 N73-12547
TIME MEASURING INSTRUMENTS	TOLERANCES (MECHANICS)
Mechanism for measuring nanosecond time	Mechanism for restraining universal joints to prevent separation while allowing bending,
differences between luminous events using streak camera	angulation, and lateral offset in any position
[NASA-CASE-XLA-01987] c23 N71-23976	about axis
TIME OF FLIGHT SPECTROMETERS	[NASA-CASE-XNP-02278] c15 N71-28951
Design and characteristics of time of flight	TOOLS Tool attachment for spreading or moving away
mass spectrometer to measure or analyze gases at low pressures and time of flight of single	loose elements from terminal posts during
gas molecule	winding of filamentary elements
[NASA-CASE-XNP-01056] C14 N71-23041	[NASA-CASE-XMF-02107] c15 N71-10809 Development of adjustable attitude guide block
Cosmic dust analyzer using ion time of flight techniques to determine constituency of	for setting pins perpendicular to irregular
hypervelocity particles such as micrometeroids	convex work surface
[NA SA-CASE-MSC-13802-1] c30 N72-20805	[NASA-CASE-XLA-07911] c15 N71-15571
TIME SERIES ANALYSIS	Hand tool for forming dimples and nipples on end portion of tubes
Device for performing statistical time-series analysis of complex electrical signal waveforms	[NASA-CASE-XMS-06876] C15 N71-21536
[NASA-CASE-MSC-12428-1] c10 N73-25240	Tool for mounting and removing studs with
TIME SHARING	adhesive coated head portion [NASA-CASE-MFS-20299] c15 N72-11392
Integrated time shared instrumentation display for aerospace vehicle simulators	[NASA-CASE-MFS-20299] c15 N72-11382 Development of manually operated tool for facing
[NASA-CASE-XLA-01952] c08 N71-12507	exposed end to insert installed in honeycomb
TIME SIGNALS	panel
Monitoring system for signal amplitude ranges	[NASA-CASE-MFS-21485-1] c15 N72-31490 TOOTH DISEASES
over predetermined time interval [NASA-CASE-XMS-04061-1] c09 N69-39885	Process for preparing calcium phosphate salts
Development of method for synchronizing clocks	for tooth repair
at several ground stations based on signals	[NASA-CASE-ERC-10338] C04 N72-33072
received from spacecraft or satellites [NASA-CASE-XNP-08875] c10 N71-23099	TORCHES Computer controlled apparatus for maintaining
[NASA-CASE-XNP-08875] c10 N71-23099 Time synchronization system for synchronizing	welding torch angle and velocity during seam
clocks at remote locations with master clock	tracking
using moon reflected coded signals	[NASA-CASE-XMF-03287] c15 N71-15607
[NASA-CASE-NPO-10143] c10 N71-26326 Circuit for measuring wide range of pulse rates	Development of electric weeding torch with casing on one end to form inert gas shield
by utilizing high capacity counter	[NASA-CASE-XMF-02330] c15 N71-23798
[NASA-CASE-XNP-06234] C10 N71-27137	TOROIDS
System for generating timing and control signals	Flux gate magnetometer with toroidal gating coil and solenoidal output coil for signal
during repetitive fixed length serial data transmission	modulation or amplification
[NASA-CASE-NPO-13125-1] c09 N73-18225	[NASA-CASE-XGS-01881] C09 N70-40123
TINING DEVICES	TORQUE
Design and development of synchronous servo loop	Gearing system for eliminating backlash and filtering input torque fluctuations from high
control system [NASA-CASE-XNP-03744] c10 N71-20448	inertia load
Development of method for synchronizing clocks	[NASA-CASE-XGS-04227] c15 N71-21744
at several ground stations based on signals	Coupling arrangement for isolating torque loads
received from spacecraft or satellites [NASA-CASE-XNP-08875] c10 N71-23099	from axial, radial, and bending loads [NASA-CASE-XLA-04897] c15 N72-22482
[NASA-CASE-XNP-08875] c10 N71-23099 Development and characteristics of resettable	TORQUEMETERS
monostable pulse generator with charge	Remote-reading torquemeter for use where high
rundown-timing circuit	horsepowers are transmitted at high rotative
[NASA-CASE-GSC-11139] c09 N71-27016 Data acquisition and processing system with	speeds [NASA-CASE-XLE-00503] c14 N70-34818
buffer storage and timing device for magnetic	Torquemeter for determining magnitude of torque
tape recording of PCM data and timing	generated by interaction of magnetic dipole
information	between test specimen and ambient magnetic field [NASA-CASE-XGS-01013] c14 N71-23725
[NASA-CASE-NPO-12107] c08 N71-27255	TADE-CEDE-VOTO C14 11 1-52152

TOESO	simulating gravitational forces on spacecraft
Restraint torso for increased mobility and	and displaying trajectories between Earth.
reduced physiclogical effects while wearing pressurized suits	Venus, and Mercury
[NASA-CASE-MSC-12397-1] c05 N72-25119	[NASA-CASE-XNP-00708] c14 N70-35394
TOUCH	Planetary atmospheric investigation using split trajectory dual flyby mode
Mechanically operated hand which can depress	[NASA-CASE-XAC-08494] c30 N71-15990
trigger using touch control device	TRAJECTORY CONTROL
[NASA-CASE-MFS-20413] c15 N72-21463	Spacecraft trajectory correction propulsion system
Measuring method for cutaneous perception using instrument with elongated tubular housing	[NASA-CASE-XNP-01104] c28 N70-39931
[NASA-CASE-MSC-13609-1] c05 N72-25122	Development of technique for control of free
Frosthetic limb with tactile sensing device	flight rocket vehicles [NASA-CASE-XLA-00937] c31 N71-17691
[NASA-CASE-MFS-16570-1] c05 N73-32013	Attitude stabilizer for nonguided missile or
TOWERS	vehicle with respect to trajectory
Aerial capsule emergency separation device using	[NASA-CASE-ARC-101341
jettisonable towers	TRANSDUCERS
[NASA-CASE-XLA-00115] c03 N70-33343 TOXICITY AND SAPETY HAZARD	Fabrication of pressure-telemetry transducers
Remote handling device for mixing or analyzing	[NASA-CASE-XNP-09752] c14 N69-21541
dangerous chemicals	Bootstrap unloading circuits for sampling
[NASA-CASE-LAR-10634-1] c15 N72-21476	transducer voltage sources without drawing current
TOXICOLOGY	[NASA-CASE-XNP-09768] c09 N71-12516
System for continuous monitoring of exhalations,	Transducer for measuring deflections from
weighing, and cage cleaning for animal exposed	vibrating structures
to controlled atmosphere for toxic study [NASA-CASE-XAC-05333] c11 N71-22875	[NASA-CASE-XLA-03135] c32 N71-16428
TRACE CONTAMINANTS	Describing device for surveying contour of
Describing crystal oscillator instrument for	<pre>surface using X-Y plotter and traveling transducer</pre>
detecting condensible gas contaminants in	[NASA-CASE-XLA-08646] c14 N71-17586
vacuum apparatus	Rotary bead dropper and selector for testing
[NASA-CASE-NPO-10144] c14 N71-17701	micrometeorite transducers
Heated tungsten filter for removing oxygen impurities from cesium	[NASA-CASE-XGS-03304] c09 N71-22988
Funda ende une ende en	Development and characteristics of self-
I NASA-CASE-XNP-04262-2] c17 N71-26773 TRACE RLEMENTS	calibrating displacement transducer for
Ion microprobe mass spectrometer with cooled	<pre>measuring magnitude and frequency of displacement of bodies</pre>
electrode target for analyzing traces of fluids	[NASA-CASE-XLA-00781] c09 N71-22999
[NASA-CASE-ERC-10014] c14 N71-28863	Transducer frame for use with extensometer to
TRACKING (POSITION)	continuously monitor specimen sample
Sensor consisting of photocells mounted on	[NASA-CASE-XLA-10322] C15 N72-17452
<pre>pyramidical base for improved pointing accuracy of planetary trackers</pre>	Split range transducer
[NASA-CASE-XNP-04180] c07 N69-39736	[NASA-CASE-XLA-11189] c10 N72-20222
Telespectrograph for analyzing upper atmosphere	Carrier-type transducer with carrier modulation [NASA-CASE-NUC-10107-1] c09 N72-21254
by tracking bodies reentering atmosphere at	Transducer and frequency discriminator circuit
bigh velocities	with four-terminal circulating diode bridge
[NASA-CASE-XLA-03273] c14 N71-18699	[NASA-CASE-ARC-10364-1] c10 N72-21276
Laser beam projector for continuous, precise alignment between target, laser generator, and	Pulsed excitation voltage circuit for strain
astronomical telescope during tracking	qaqe bridge transducers
[NASA-CASE-NPO-11087] c23 N71-29125	[NASA-CASE-FRC-10036] c09 N72-22200
TRACKING FILTERS	Passive type, magnifying scratch gage, force transducer
System for phase locking onto carrier frequency	[NASA-CASE-LAR-10496-1] c14 N72-22437
signal located within receiver bandpass	Transducer for converting arterial pulse wave
[NASA-CASE-XGS-04994] CO9 N69-21543 THACKING RADAR	into electric signals
Electronic and mechanical scanning control	[NASA-CASE-GSC-11531-1] c05 N73-11097
system for monopulse tracking antenna	Development of electronic detection system for
[NASA-CASE-XGS-05582] C07 N69-27460	remotely determining number and movement of enemy personnel
Phase locked loop with sideband rejecting	[NASA-CASE-ARC-10097-2] c07 N73-25160
properties in continuous wave tracking radar	Development of electronic circuit for
[NASA-CASE-XNP-02723] c07 N70-41680	measurement transducer power supply to be used
Interferometric tuning acquisition and tracking radar antenna system	for liquid level measurement in liquid
[NASA-CASE-XMS-09610] cc7 N71-24625	propellant rocket engines
Acquisition and tracking system for optical radar	[NASA-CASE-MFS-21698-1] c09 N73-26196 Acoustical transducer calibrating system
[NASA-CASE-MFS-20125] c16 N72-13437	including differential pressure activating
TRACKING STATIONS	device
Optical monitor panel consisting of translucent	[NASA-CASE-FRC-10060-1] c14 N73-27379
screen with test or meter information projected onto it from rear for application in	TRANSPER FUNCTIONS
control rooms of missile launching and	Electronic optical transfer function analyzer
tracking stations	using scanning image dissection system to produce representative output signal
[NASA-CASE-XKS-03509] c14 N71-23175	[NASA-CASE-MFS-21672-1] c23 N73-22630
TRAILING-EDGE FLAPS	TRANSFORMERS
Double hinged flap for boundary layer control	Impedance transformation device for signal mixing
over trailing edges of wings [NASA-CASE-XLA-01290] c02 N70-42016	[NASA-CASE-XGS-01110]
TRAINING SIMULATORS	High impedance alternating current sensing
Low and zero gravity simulator for astronaut	transformer device between two bolometers for measuring insertion loss of test component
training	[NASA-CASE-XNP-01193] c10 N71-16057
[NASA-CASE-MFS-10555] c11 N71-19494	Magnetic current regulator for saturable core
Apparatus for training astronaut crews to	transformer
perform on simulated lunar surface under conditions of lunar gravity	[NASA-CASE-ERC-10075] c09 N71-24800
[NASA-CASE-XMS-04798] c11 N71-21474	Unsaturating magnetic core transformer design
TRAJECTORY ANALYSIS	with warning signal for electrical power
Table structure and rotating magnet system	processing equipment [NASA-CASE-ERC-10125]
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Development and characteristics of	Integrated microcircuits and complementary
electronically resettable fuse with saturable	four-phase logic system
core current sensing transformer having two	[NASA-CASE-MSC-14240-1] c10 N73-21240
outside legs and center leg	Inverted geometry transistor for use with
[NASA-CASE-XGS-11177] CO9 N71+27001	monolithic integrated circuit
Development and characteristics of voltage	[NASA-CASE-ARC-10330-1] c09 N73-32112 TRANSITION FLOW
regulator for connection in series with	Ablation article and surface for analyzing flow
alternating current source and load using three leg, two-window transformer	transition on ablative surface
[NASA-CASE-ERC-10113] c09 N71-27053	[NASA-CASE-LAE-10439-1] c33 N73-27796
Radial heat flux transformer for use in heating	TRANSLATIONAL MOTION
and cooling processes	Centrifuge mounted motion simulator with
rnasa-case-npo-108281 c33 N72-17948	elevator mechanism [NASA-CASE-XAC-00399] c11 N70-34815
Current protection equipment for saturable core	[NASA-CASE-XAC-00399] c11 N70-34815 Development and characteristics of translating
transformers • [NASA-CASE-ERC-10075-2] c09 N72-22196	horizontal tail assembly for supersonic aircraft
Fail-safe multiple transformer circuit	[NASA-CASE-XLA-08801-1] CO2 N71-11043
configuration	Semilinear bearing comprising two rows of roller
[NASA-CASE-NPO-11078] CO9 N72-25262	bearings separated by spherical bearings and
Method and device for providing banded	permitting rotational and translational movement
transformer cores for use in spacecraft power	[NASA-CASE-XLA-02809] c15 N71-22982 Positioning mechanism for converting translatory
systems	motion into rotary motion
[NASA-CASE-NPO-11966] C09 N73-22150	[NASA-CASE-NPO-10679] c15 N72+21462
TRANSIENT LOADS Deployable cantilever support for deploying	TRANSMISSION
solar cell arrays aboard spacecraft and	Mossbauer spectrometer with high efficiencies in
reducing transient loading	both transmission and backscattering techniques
[NASA-CASE-NPO-10883] c31 N72-22874	[NASA-CASE-LAR-11155-1] c14 N73-13433
TRANSISTOR AMPLIFIERS	TRANSMISSION LINES
Overcurrent protecting circuit for push-pull	Portable equipment for validating C band launch
transistor amplifiers	pad antennas and transmission lines used for spacecraft checkout
[NASA-CASE-MSC-12033-1] C09 N71-13531 Transistor amplifier and square wave oscillator	[NASA-CASE-XKS-10543] c07 N71-26292
for obtaining ac voltage from dc source	Collapsible antenna boom and coaxial
[NASA-CASE-NPO-11365] CO9 N72-15204	transmission line having inflatable inner tube
TRANSISTOR CIRCUITS	[NASA-CASE-MFS-20068] C07 N71-27191
Low power drain transistor feedback circuit	Phase modulator with tuned variable length
[NASA-CASE-XGS-04999] c09 N69-24317	electrical lines including coupling and
Design of transistorized ring counter circuit	varactor diode circuits [NASA-CASE-MSC-13201-1] c07 N71-28429
with special steering and triggering circuits	Shielded flat conductor cable of ribbonlike
[NASA-CASE-XGS-C3095] CO9 N69-27463 Pulse-forming circuit for fast sweep out of	wires laminates in thin flexible insulation
charges stored in power transistors	[NASA-CASE-MFS-13687-2] C09 N72-22198
[NASA-CASE-NPO-10674] C10 N7G-22132	Phase protection system for phase-sensitive
Transistorized current-limiting voltage	loads and ac power lines
regulator for use between unregulated voltage	[NASA-CASE-MSC-17832-1] c10 N72-33232
source and load	Development of phase control coupling for use
[NASA-CASE-MSC-11824-1] c09 N70-35574	with phased array antenna [NASA-CASE-ERC-10285] c10 N73-16206
RC transistor circuit to indicate each pulse of	TRANSMITTANCE
pulse train and occurrence of nth pulse [NASA-CASE-XMF-00906] c09 N70-41655	Electro-optical system for scanning variable
Linear sawtooth voltage wave generator with	transmittance objects
Dinear Banessen issued	
transistor timing circuit having capacitor and	[NASA-CASE-NPO-11106-2] c23 N72-28696
transistor timing circuit having capacitor and zener diode feedback loops	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser
zener diode feedback loops [NASA-CASE-XMS-01315] c09 N70-41675	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538
zener diode feedback loops [NASA-CASE-XMS-01315] c09 N70-41675 Switching circuit with regeneratively connected	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS
zener diode feedback loops [NASA-CASE-XMS-01315] Switching circuit with regeneratively connected transistors eliminating power consumption when	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric
zener diode feedback loops [NASA-CASE-XMS-01315] C09 N70-41675 Switching circuit with regeneratively connected transistors eliminating power consumption when not in use	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft
zener diode feedback loops [NASA-CASE-XMS-01315] c09 N70-41675 Switching circuit with regeneratively connected transistors eliminating power consumption when not in use [NASA-CASE-XNP-02654] c16 N70-42032	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common
zener diode feedback loops [NASA-CASE-XMS-01315] c09 N70-41675 Switching circuit with regeneratively connected transistors eliminating power consumption when not in use [NASA-CASE-XNP-02654] c10 N70-42032 High voltage transistor circuit [NASA-CASE-XNP-06937] c09 N71-19516 Complementary regenerative transistorized switch	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric generator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based
zener diode feedback loops [NASA-CASE-XMS-01315] c09 N70-41675 Switching circuit with regeneratively connected transistors eliminating power consumption when not in use [NASA-CASE-XNP-02654] c16 N70-42032 High voltage transistor circuit [NASA-CASE-XNP-06937] c09 N71-19516 Complementary regenerative transistorized switch circuit employing positive and negative feedback [NASA-CASE-XGS-02751] Inverter drive circuit for semiconductor switch	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPC-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPC-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSMITTERS Temperature telemetric transmitter with frequency determining tank circuit for short
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short range transmission [NASA-CASE-NPO-10649] c07 N71-24840
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-ERC-10324] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-1199-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short range transmission [NASA-CASE-NPO-10649] c07 N71-24840 Multicarrier communications system for transmitting modulated signals from single
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSMITTER RECEIVERS Low weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-ERC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-NPO-11850-1] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short range transmission [NASA-CASE-NPO-10649] c07 N71-24840 Multicarrier communications system for transmitting modulated signals from single
zener diode feedback loops [NASA-CASE-XMS-01315]	[NASA-CASE-NPO-11106-2] c23 N72-28696 Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3] c23 N73-32538 TRANSHITTER RECEIVERS LOW weight, integrated thermoelectric qenerator/antenna combination for spacecraft [NASA-CASE-XER-09521] c09 N72-12136 Transmitter receiver system for measuring millivolt electrical signals with high common mode potential [NASA-CASE-XLE-03155-2] c09 N72-20205 Location identification system with ground based transmitter and aircraft borne receiver/decoder [NASA-CASE-KEC-10324] c07 N72-25173 Development and characteristics of vehicle detection system with all active elements carried by moving vehicle [NASA-CASE-REC-10324] c09 N73-10248 Application of infrared laser beam transmission and transmitter receiver operating from airborne platform to determine air pollution presence and concentration [NASA-CASE-NPO-11919-1] c14 N73-29436 Development of timing device for conserving batteries on remote data collection platform by generating synchronous time windows [NASA-CASE-GSC-11182-1] c31 N73-32769 TRANSHITTERS Temperature telemetric transmitter with frequency determining tank circuit for short range transmission [NASA-CASE-NPO-10649] c07 N71-24840 Multicarrier communications system for transmitting modulated signals from single

TRANSONIC SPEED	TRIODES
Construction of leading edges of surfaces for	Vacuum thermionic converter with short-circuited
aerial vehicles performing from subsonic to above transonic speeds	triodes and increased electron transmission
[NASA-CASE-XLA-01486] c01 N71-23497	and conversion efficiency
TRANSONIC WIND TUNNELS	[NASA-CASE-XLE-01015] c03 N69+39898
Wind tunnel test section for simulating high	Method for determining state of charge of alkali
Reynolds number over transonic speed range	batteries by using tritium as tracer
[NASA-CASE-MFS-20509] c11 N72-17183 TRANSPARENCE	[NASA-CASE-XNP-01464] CO3 N71-10728
Transparent polycarbonate resin, shell helmet	TRUSSES
and latch design for high altitude and space	Low mass truss structure with elongated thin-walled tubular segments
flight	[NASA-CASE-LAR-10546-1] c11 N72-25287
[NASA-CASE-XMS-04935] c05 N71-11190	TUBE HEAT EXCHANGERS
Detecting molecular constituents in radiation	High resistance cross flow heat exchangers for
transparent media by measuring intensity of light transmitted through cell while applying	electrothermal rocket engines
electrostatic or electromagnetic field	[NASA-CASE-XLE-01783] c28 N70-34175 Gas chromatographic method for determining water
[NASA-CASE-ERC-10021] c06 N71-28635	in nitrogen tetroxide rocket propellant
TRANSPONDERS	[NASA-CASE-NPO-10234] C06 N72-17094
Equipment for testing of ground station ranging equipment and spacecraft transponders	TUBES
[NASA-CASE-XMS-05454-1] c07 N71-12391	Forming tubes from long thin flat metal strips
Spacecraft transponder and ground station radar	[NASA-CASE-XGS-04175] c15 N71-18579 Hermetic sealing device for ends of tubular
system for mapping planetary surfaces	bodies during materials testing operations
[NASA-CASE-NPO-11001] c07 N72-21118	[NASA-CASE-NPO-10431] c15 N71-29132
Development and characteristics of vehicle detection system with all active elements	TUMBLING MOTION
carried by moving vehicle	Tumbling motion system for object demagnetization
[NASA-CASE-NPO-11850-1] CO9 N73-10248	[NASA-CASE-XGS-02437] c15 N69-21472
Loop transponder for regenerating code of	Bonding method for improving contact between
mu-type ranging system [NASA-CASE-NPO-11707] c07 N73-25161	lead telluride thermoelectric elements and
I NASA-CASE-NPO-11707] CO7 N73-25161 TRANSPORTATION	tungsten electrodes
Supporting and protecting frame structure and	[NASA-CASE-XGS-G4554] c15 N69-39786 Method for producing porous tungsten plates for
plug for empty thrust chamber assembly.	ionizing cesium compounds for propulsion of
handling, and shipping	ion engines
[NASA-CASE-XMP-00580] c11 N70-35383 TRAVELING WAVE AMPLIFIERS	[NASA-CASE-XLE-00455] c28 N70-38197
Serrodyne traveling wave tube reentrant	Two step process for cladding nuclear fuels with
amplifier for synchronous communication	tungsten [NASA-CASE-XNP-03704] c15 N71-17695
satellites operating at microwave frequencies	Small plasma probe using tungsten wire collector
[NASA-CASE-XGS-01022] c07 N71-16088 TRAVELING WAVE MASERS	in tubular shield
Design of folded traveling wave maser structure	[NASA-CASE-XLE-02578] c25 N71-20747
[NASA-CASE-XNP-G5219] c16 N71-15550	Production method for manufacturing porous
Comb type traveling wave maser amplifier for	tungsten bodies from tungsten powder particles [NASA-CASE-XNP-04339] c17 N71-20137
improved high gain broadband output	Vapor deposition method for forming metallized
[NASA-CASE-NPO-10548] c16 N71-24831 TRAVELING WAVE TUBES	tungsten contacts on silicon substrates
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velocities in wind tunnel test section	_ "
[NASA-CASE-ARC-10710-1] c11 N73-27175	[NASA-CASE-NPO-11307-1] c10 N73-30205
WIND VELOCITY MEASUREMENT	Acoustic vibration test apparatus for wiring
Free-fall body for obtaining wind velocity	harnesses
profiles by radar tracking	[NASA-CASE-MSC-15158-1] c14 N72-17325
[NASA-CASE-XLA-02081] c20 N71-16281	WORDS (LANGUAGE)
WINDING	Encoders designed to generate comma free
Black body radiometer design with temperature	biorthogonal Reed-Muller type code comprising
sensing and cavity heat source cone winding	conversion of 64 6-bit words into 64 32-bit
[NASA-CASE-XNP-09701] c14 N71-26475	data for communication purposes
Pulse coupling circuit with switch between generator and winding	[NASA-CASE-NPO-10595] c10 N71-25917
[NASA-CASE-LEW-10433-1] c09 N72-22197	Logic circuit for generating multibit binary
WINDOWS (APERTURES)	code word in parallel [NASA-CASE-XNP-04623] c10 N71-26103
Wavequide, thin film window and microwave irises	I NASA-CASE-XNP-04623 C10 N71-26103 Digital memory system with multiple switch cores
[NASA-CASE-LAR-10513-1] c07 N72-25170	for driving each word location
Observation window for internal gas confining	[NASA-CASE-XNP-01466] c10 N71-26434
chamber	WRENCHES CTO N/1-20434
[NASA-CASE-NPO-10890] c11 N73-12265	Ultrasonic wrench for applying vibratory energy
Polymer coatings for moisture protection of	to mechanical fasteners
optical windows in infrared spectroscopy	[NASA-CASE-MFS-20586] c15 N71-17686
[NASA-CASE-ARC-10749-1] c23 N73-32542	Tool exchange capabilities of portable wrench
WING PLAPS	characterized by telescopic sleeve
Upper surface, external flow, jet-augmented flap	[NASA-CASE-MFS-22283-1] c15 N73-30462
<pre>configuration for high wing jet aircraft for noise reduction</pre>	V
[NASA-CASE-XLA-00087] c02 N70-33332	Х
WING PLANFORMS	X RAY APPARATUS
Design of aircraft with rotatable wing for	Device and method for determining X ray
producing high speed aerodynamic configuration	reflection efficiency, scattering properties,
[NASA-CASE-ARC-10470-2] CO2 N73-30018	and surface finish of optical surfaces
WING PROFILES	[NASA-CASE-MFS-20243]
Supersonic aircraft configuration providing for	X RAY IRRADIATION
, vondayardoron providing for	A RAI IRRADIATION
variable aspect ratio and variable sweep wings	Multisample test chamber for exposing materials
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to	Multisample test chamber for exposing materials to Y rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles	Multisample test chamber for exposing materials to Y rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-YMS-02930] c11 N71-23042 X RAY TELESCOPES
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257	Multisample test chamber for exposing materials to Y rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XHS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from	Multisample test chamber for exposing materials to Y rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-YMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-YHQ-04106] c14 N70-40240 Three mirror glancing incidence system for X ray
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror glancing incidence system for X ray telescope
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace	Multisample test chamber for exposing materials to Y rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-YMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-YHQ-04106] c14 N70-40240 Three mirror glancing incidence system for X ray
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making hidh quality wiring joints for aerospace engineering utilizing capillary attraction to	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror glancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MPS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] cO2 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-FRC-10638] c15 N72-20444	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-FRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-RC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04406] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XIA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-FRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TRIESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror glancing incidence system for X ray telescope [NASA-CASE-XHG-04106] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAPT Data processing and display system for terminal quidance of X-15 aircraft
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace enqineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08961] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/thenium thermocouple wire	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XHS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAPT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13667-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NPO-6031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XIA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421 XEBON ISOTOPES
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-FRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/thenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N76-40240 Three mirror glancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421 XENOM ISOTOPES Apparatus for producing high purity I-123 from
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace enqineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-XLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/fhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XHS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-HFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NPO-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 NATECRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLR-00756] c02 N71-13421 XENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-FRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/thenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NPO-06031] c15 N71-15606 I-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLR-00756] c02 N71-13421 IENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace enqineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08911] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Tvisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N76-40240 Three mirror glancing incidence system for X ray telescope [NASA-CASE-XHQ-04106] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421 XENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KIC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance but welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BRIDGP CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XHS-02930] c11 N71-23042 IRAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-HFS-21372] c14 N72-20397 IRAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XHP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLA-08646] c02 N71-13421 IENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08911] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-XNP-08961] c14 N71-24809	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N76-40240 Three mirror glancing incidence system for X ray telescope [NASA-CASE-XHQ-04106] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-XNP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421 XENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace enqineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08911] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Tvisted wire or tube superconductor for filament windings [NASA-CASE-LAR-10105] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-XNP-08961] c14 N71-24809 WIRE CLOTH	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NPO-06031] c15 N71-15606 I-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLA-05756] c02 N71-13421 IENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEN-10518-2] c24 N72-28714 IENON LAMPS Xenon flashlamp driver system for optical laser
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13667-2] c09 N72-22198 Electrical resistance but welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-XNP-08961] c14 N71-24809 WIRE CLOTH Insulating system for receptacles of liquefied	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 X RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 X RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XFR-00756] c02 N71-13421 XENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714 IENON LAMPS Xenon flashlamp driver system for optical laser pumping
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-08911] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KLA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BBIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-XNP-08961] c14 N71-24809 WIRE CLOTH Insulating system for receptacles of liquefied gases using wire cloth for forming frost layer	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHQ-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-HFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NFP-06031] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLA-0756] c02 N71-13421 IENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714 IENON LAMPS Xenon flashlamp driver system for optical laser pumping [NASA-CASE-ERC-10283] c16 N72-25485
variable aspect ratio and variable sweep wings [NASA-CASE-XIA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XIE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace enqineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XIA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XIA-08911] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-XIA-05966] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13687-2] c09 N72-22198 Electrical resistance butt welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LAR-10105] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-XNP-08961] c14 N71-24809 WIRE CLOTH Insulating system for receptacles of liquefied gases using wire cloth for forming frost layer [NASA-CASE-XNP-00341] c15 N70-33323	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-MFS-21372] c15 N71-15606 X-Y PLOTTERS Describing device for surveying contour of surface using X-y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLA-08646] c02 N71-13421 XENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714 IENON LAMPS Xenon flashlamp driver system for optical laser pumping [NASA-CASE-ERC-10283] c16 N72-25485
variable aspect ratio and variable sweep wings [NASA-CASE-XLA-00166] c02 N70-34178 WINGS Development of auxiliary lifting system to provide ferry capability for entry vehicles [NASA-CASE-LAR-10574-1] c11 N73-13257 WIRE Transpiration cooled turbine blade made from metallic or ceramic wires [NASA-CASE-XLE-00020] c15 N70-33226 Soldering device particularly suited to making high quality wiring joints for aerospace engineering utilizing capillary attraction to regulate flow of solder [NASA-CASE-XLA-08911] c15 N71-27214 Device for bending metal ribbon or wire [NASA-CASE-XLA-05966] c15 N72-12408 Method of fabricating equal length insulated wire [NASA-CASE-KRC-10638] c15 N72-20444 Shielded flat conductor cable of ribbonlike wires laminates in thin flexible insulation [NASA-CASE-MFS-13667-2] c09 N72-22198 Electrical resistance but welder for welding fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c15 N73-14468 Twisted wire or tube superconductor for filament windings [NASA-CASE-LEW-11015] c26 N73-32571 WIRE BRIDGE CIRCUITS Black body cavity radiometer with thermal resistance wire bridge circuit [NASA-CASE-LW-108961] c14 N71-24809 WIRE CLOTH Insulating system for receptacles of liquefied gases using wire cloth for forming frost layer [NASA-CASE-XMF-00341] c15 N70-33323 Method for making screen with unlimited fineness	Multisample test chamber for exposing materials to X rays, temperature change, and gaseous conditions and determination of material effects [NASA-CASE-XMS-02930] c11 N71-23042 I RAY TELESCOPES X ray collimating structure for focusing radiation directly onto detector [NASA-CASE-XHO-04106] c14 N70-40240 Three mirror qlancing incidence system for X ray telescope [NASA-CASE-MFS-21372] c14 N72-20397 I RAYS Supporting structure for simultaneous exposure of pellets to X rays [NASA-CASE-NPO-06031] c15 N71-15606 I-Y PLOTTERS Describing device for surveying contour of surface using X-Y plotter and traveling transducer [NASA-CASE-XLA-08646] c14 N71-17586 X-15 AIRCRAFT Data processing and display system for terminal quidance of X-15 aircraft [NASA-CASE-XLA-03664] c02 N71-13421 IENON ISOTOPES Apparatus for producing high purity I-123 from Xe-123 by bombarding tellurium target with cyclotron beam [NASA-CASE-LEW-10518-2] c24 N72-28714 IENON LAMPS Xenon flashlamp driver system for optical laser pumping [NASA-CASE-ERC-10283] c16 N72-25485
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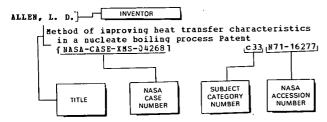
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Method of heat treating a formed powder material	product	BAGBY, J. P.	011 211 10300
	N72-28542	Thermally operated valve Patent	
Method of forming superalloys		[NASA-CASE-XLE-00815]	c15 N70-35407
I WHOM CHON THE TOTAL TO	N73-13465	BAHIMAN, H.	
ASHWORTH, B. R.	or to an	Self-erecting reflector Patent [NASA-CASE-XGS-09190]	c31 N71-16102
Apparatus for applying simulated G-force arm of an aircraft simulator pilot	s to an	BAHM, E. J.	057 117 10102
	N72-27271	A dc servosystem including an ac moto	or Patent
ASTHEIMBR, R. W.		[NASA-CASE-NPO-10700]	c07 N71-33613
Multi-lobar scan horizon sensor Patent	25/107	BAILEY, C. L., JR.	
•. • • • • • • • • • • • • • • • • • •	N70-35427	Three axes controller [NASA-CASE-MSC-12394-1]	c03 N73-20041
ATKISSON, E. A. Apparatus having coaxial capacitor struc	ture for	BAILEY, P. J., JR.	000 11.0 20011
measuring fluid density Patent		Airplane take-off performance indicate	tor Patent
	N70-36618	[NASA-CASE-XLA-00100]	c14 N70-36807
AUBLE, C. H.		BAILEY, G. A.	L
Instrument for the quantitative measurem	ent or	Magnetic matrix memory system Patent [NASA-CASE-XMF-05835]	c08 N71-12504
radiation at multiple wave lengths Pa	N70-41946	BAILRY, J. W.	CUO N/1 12304
AUER, S. O.		Bi-polar phase detector and corrector	r for split
Cosmic dust or other similar outer space	•	phase PCM data signals Patent	
particles impact location detector	22626	[NASA-CASE-XGS-01590]	c07 N71-12392
	N72-33696	Radio frequency coaxial high pass fit [NASA-CASE-XGS-01418]	c09 N71-23573
Micrometeoroid analyzer [NASA-CASE-ARC-10443-1] c14	N73-20477	BAILEY, M. C.	003 877 20070
AUKER, B. H.		Stacked array of omnidirectional anto	ennas
Refractory porcelain enamel passive ther	mal	[NASA-CASE-LAR-10545-1]	c09 N72-21244
control coating for high temperature a		BAILEY, R. L.	-
· · · · · · · · · · · · · · · · · · ·	N73-21471	Apparatus and method for protecting a photographic device Patent	a
AUSTIN, W. B. Compton scatter attenuation gamma ray sp	ectrometer	[NASA-CASE-NPO-10174]	c14 N71-18465
[NASA-CASE-MFS-21441-1] C14	N73-30392	Solid propellant rocket motor nozzle	
AVIZIENIS, A. A.		[NASA-CASE-NPO-11458]	c28 N72-23810
Self-testing and repairing computer Pat	ent	Electromagnetic wave energy converted	
(3 N 71- 24633	[NASA-CASE-GSC-11394-1] BAKER, B. R.	c09 N73-32109
AYVAZIAN, B. A. Laminar flow enhancement Patent		Radiation detector readout system Page 1	atent
[NASA-CASE-NPO-10122] c12	N71-17631		c14 N71-21040
Propellent mass distribution metering ap	paratus	BAKER, C. D.	
Patent	3 NT4 26220	Coating process	c18 N69-39895
[NASA-CASE-NPO-10 185] C10	N71-26339	[NASA-CASE-XNP-06508] Flexible material having a controlled	
В		and a process for providing such m	
D		Patent Application	
BABA, P. D.	1.	[NASA-CASE-NPO-10853]	c18 N70-34685
A method for making conductors for ferri	Lte	Electrical spot terminal assembly Portion (NASA-CASE-NPO-10034)	c15 N71-17685
memory arrays [NASA-CASE-LAR-10994-1] c18	3 N73-30536	Electrical connector	010 1171 11000
BABB, B. D.			c09 N72-20200
Method and apparatus for cryogenic wire		Pressure transducer	
stripping Patent	E N71 17620	[NASA-CASE-NPO-10832]	c14 N72-21405
[NASA-CASE-NFS-10346] c15 Self-balancing strain gage transducer [5 N71-17628	BAKER, E. H. Centrifuge mounted motion simulator	Patent
	N71-17656	[NASA-CASE-XAC-00399]	c11 N70-34815
BABECKI, A. J.		BAKER, M. E.	
Peen plating		Omnidirectional joint Patent	-AE w24 08600
	5 N73-32360	[NASA-CASE-XMS-09635]	c05 N71-24623
BACCHI, R. Valve actuator Patent		BAKER, R. L. Bidirectional step torque filter wit	h zero
[NASA-CASE-XHQ-01208] c15	5 N70-35409	backlash characteristic Patent	
BACHLE, W. H.		[NASA-CASE-XGS-04227]	c15 N71-21744
Mechanically extendible telescoping boom	n	BAKER, V. D.	Dotoot
, man	3 N72-25021	<pre>Vapor pressure measuring system and [NASA-CASE-XMS-01618]</pre>	c14 N71-20741
BADIN, P. E. Space simulation and radiative property	testing	BAKSTON. B.	014 111 20141
system and method Patent		Apparatus for the determination of t	he existance
[NASA-CASE-HFS-20096] C14	4 N71-30026	or non-existence of a bonding betw	een two
BAEHR, E. F.		members Patent	c15 N71-18132
Channel-type shell construction for rockerquines and the like Patent	ret	[NASA-CASE-MFS-13686] BALDWIN, L. V.	CID #/1-10132
	8 N7G-34860	Particle beam measurement apparatus	using beam
Rocket thrust chamber Patent		kinetic energy to change the heat	sensitive
[NASA-CASE-XLE-00145] c28	8 N70-36806	resistance of the detection probe	
Method of making a requneratively cooled	d	[NASA-CASE-XLE-00243] Apparatus for increasing ion engine	c14 N70-38602
combustion chamber Patent [NASA-CASE-XLE-00150] c28	8 N70-41818	Patent	TOUR GONDAN
Method of making a rocket motor casing i		[NASA-CASE-XLE-00519]	c28 N70-41576
	8 N71-15658		

BALES, T. T.		[NASA-CASE-XLA-05332]	c05 N71-11194
Controlled glass bead peening Patent [NASA-CASE-XLA-07390] c15	N71-18616	uipotential space suit Patent [NASA-CASE-LAR-10007-1]	
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techniques for metal bonding [NASA-CASE-LAR-11072-1] c15	&e	thod and apparatus for distillation	n of liquids
BALLARD, R. R.		Patent [NASA-CASE-XNP-08124]	c15 N71-27184
Two-axis controller Patent	Ra	dial heat flux transformer	C15 N/1-2/184
[NASA-CASE-XFR-04104] c03 BALLENTINE, F. M., JR.		[NASA-CASE-NPO-10828]	c33 N72-17948
Foam generator Patent		thod for distillation of liquids [NASA-CASE-XNP-08124-2]	c06 N73-13129
[NASA-CASE-XLA-00838] c03	N70-36778 BASS.	A. H.	000 1175 15125
Elastic universal joint Patent		traviolet resonance lamp Patent [NASA-CASE-ARC-10030]	-CC N74 40504
[NASA-CASE-XNP-00416] c15	N7G-36947 U1	traviolet atomic emission detector	cG9 N71-12521
Sealed separable connection Patent [NASA-CASE-NPO-10064] c15			c14 N72-25428
BANDINI, U.	Fl	uid flow restrictor Patent	
Out of tolerance warning alarm system for plurality of monitored circuits Patent		[NASA-CASE-NPO-10117]	c15 N71-15608
		B. R., JR. apparatus for establishing flow of	F f luid ====
BANKS, B. A.		having a known velocity	t fiuld mass
Ion beam deflector Patent [NASA-CASE-LEW-10689-1] c28]		[NASA-CASE-MFS-21424-1] • H. E.	c12 N73-16248
Ion thruster accelerator system Patent		qmenting lead telluride-silicon ger	-manium
[NASA-CASE-LEW-10106-1] c28 Process for glass coating an ion accelerate	N/1-26642	thermoelements Patent	
grid Patent		[NASA-CASE-XGS-05718] ER, D. A.	c26 N71-16037
[NASA-CASE-LEW-10278-1] c15 PElectromagnetic flow rate meter	N 71- 28582 Du	al frequency microwave reflex feed	
		[NASA-CASE-NPO-13091-1] H, F. F.	c09 N73-12214
Ion thruster magnetic field control	At	titude control for spacecraft Pate	ent
[NASA-CASE-LEW-10835-1] c28 P Sputtering holes with ion beamlets	872-2277 1	[NASA-CASE-XNP-00294]	c21 N70-36938
[NASA-CASE-LEW-11646-1] C28 1	N72-32760	it regulated gas journal bearing p [NASA-CASE-XNP-00476]	eatent c15 N70-38620
Dished ion thruster grids [NASA-CASE-LEW-11694-1] c28)	BATTE	, W. G.	
BANTA, R. D.	173-22721 Ex	clusive-Or digital logic module Pa [NASA-CASE-XLA-07732]	tent c08 N71-18751
Positive contact resistance soldering unit	BATTE	RSON, S. A.	COO N/1-10/51
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Laser grating interferometer Patent	BATTS	, C. N.	c11 N7G-33329
[NASA-CASE-XLA-04295] c16 N BARBERA, A. J.		ntour surveying system Patent	
Use of unilluminated solar cells as shunt		[NASA-CASE-XLA-08646] M, R. M.	c14 N71-17586
for a solar array [NASA-CASE-GSC-10344-1] cc3 N	Ext	tensometer frame	
BARGER, R. L.	· · · · · · · · · · · · · · · · · · ·	NASA-CASE-XLA-10322] , H. B.	c15 N72-17452
Continuously operating induction plasma accelerator Patent	Ai	conditioning system and component	therefore
• ***	170-36946	listributing air flow from opposite NASA-CASE-GSC-11445-1]	directions c15 N72-28503
	176-30340		
BARISH, B.	BAUERI	SCHUB, J. P., JR.	
BARISH, B. Pulsed energy power system Patent [NASA-CASE-MSC-13112] c03 N	BAUERI Pol	SSCHUB, J. P., JR. Lding boom assembly Patent	
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BPAM, R. M. Solid medium thermal engine		Totally confined explosive welding	
[NASA-CASE-ABC-10461-1]	c33 N73-20931	[NASA-CASE-LAR-10941-1] Explosively welded scarf joint	c15 N72-33478
BEASLEY, W. D.		[NASA-CASE-LAR-11211-1]	c15 N73-14480
Continuously operating induction accelerator Patent	plasma	Totally confined explosive welding	!
	c25 N70-36946	[NASA-CASE-LAR-10941-2] BENEDICT, R. D.	c15 N73-32371
BRATTY, R. W.		Transient augmentation circuit for	nulse
Rotary wane attenuator wherin rot		amplifiers Patent	Pulse
orthogonally disposed resistive cards	and dielectric	[NASA-CASE-XNP-01068]	c10 N71-28739
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BEAUBEGARD, W. W.	*** **** ******		c15 N71-21060
Water separating system Patent		BENNIGHT, J. D.	
[NASA-CASE-XMS-13052] BECK, A. P.	c14 N71-20427	Method and apparatus for precision	sizing and
Small plasma probe Patent		<pre>joining of large diameter tubes [NASA-CASE-XMF-05114]</pre>	
[NASA-CASE-XLE-G2578]	c25 N71-20747	Method and apparatus for precision	c15 N71-17650
BECK, T. R.		joining of large diameter tubes	Patent
Method of inhibiting stress corro titanium alloys Patent	Sion Cracks in	[NASA-CASE-XMF-C5114-3]	c15 N71-24865
[NASA-CASE-NPO-10271]	c17 N71-16393	Method and apparatus for precision joining of large diameter tubes	Sizing and
BECKER, H. H.		[NASA-CASE-XMF-05114-2]	c15 N71-26148
Apparatus and method for applying coatings	protective	BEREMAND, G. B.	
[NASA-CASE-LAR-10 362-1]	c15 N72-27486	Method of making fiber composites [NASA-CASE-LEW-10424-2-2]	-10 930 05530
BECKER, R. A.		BERG, O. E.	c18 N72-25539
Photoelectric energy spectrometer [NASA-CASE-XNP-04161]		Dust particle injector for hyperve	locity
BECKERLE, L. D.	c14 N71-15599	accelerators Patent	
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[NASA-CASE-XLE-00690] BECKWITH, R. M.	c25 N69-39884	Measuring device Patent	
Mechanical coordinate converter	Patent	[NASA-CASE-XMS-01546]	c14 N70-40233
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BREHN, J. H.		[NASA-CASE-LEW-11069-1]	c03 N71-29048
Optical tracking mount Patent [NASA-CASE-MFS-14017]	c10 N71 26627	BERNSEN, B.	
BEEN, J. P.	c14 N71-26627	Electrical apparatus for detection decomposition of insulation Pate	of thermal
Method and apparatus for measuring	4	[NASA-CASE-XMF-03968]	c14 N71-27186
electromagnetic radiation [NASA-CASE-LEW-11159-1]	-1// 272 20000	BERRY, E. H.	
BERM, J. W.	c14 N73-28488	Positive dc to positive dc converte [NASA-CASE-XMF-14301]	
Solid propellant rocket motor		Positive dc to negative dc converte	c09 N71-23188
[NASA-CASE-NPO-11559]	c28 N71-34949	[NASA-CASE-XMF-08217]	c03 N71-23239
Solid propellant rocket motor [NASA-CASE-NPO-11559]	c28 N73-24784	BESSETTE, R. J.	
BEHRNDT, K. H.		Space suit [NASA-CASE-MSC-12609-1]	ane 1177 22042
A method for fabricating adherent	thick layers	BESWICK, A. G.	c05 N73-32012
of high-conductance metals on or Patent Application	ride surfaces	Lunar penetrometer Patent	
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testing	oket engine	memory arrays [NASA-CASE-LAR-10994-1]	-10 NT3 30536
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[NASA-CASE-MFS-20863] BELL, D., III	c31 N73-26876	phenylphosphonitrilamides Patent	re recrameric
Heated element fluid flow sensor	Patent	[NASA-CASE-HQN-10364]	c06 N71-27363
[NASA-CASE-MSC-12084-1]	c12 N71-17569	BILDERBACK, R. R. Amplitude modulated laser transmitt	- D-+
BELL, V. L., JR.		[NASA-CASE-XMS-04269]	c16 N71-22895
Process for interfacial polymeriza pyromellitic dianhydride and 1,2	tion of	BILES, J. E., JR.	
5-tetraamino-benzene Patent	,4,	High impact pressure regulator Pat	ent
[NASA-CASE-XLA-G3104]	c06 N71-11235	[NASA-CASE-NPO-10175] BILLINGHAM, J.	c14 N71-18625
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Application [NASA-CASE-NPO-11106] c14 N70-34	
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BILLMAN, K. W. Method and apparatus for wavelength tuning of	Protective device for machine and metalworking
liquid lasers	tools Patent 343
[NASA-CASE-ERC-10187] c16 N69-31	343 [NASA-CASE-XLE-01092] C15 N71-22/97 BLAZE, C. J.
Method and apparatus for the detection of picosecond light pulses by two-photon planar	Formed metal ribbon wrap Patent
processes Patent Application	[NASA-CASE-XLE-00164] C15 N70-36411
[NASA-CASE-ERC-10227] C14 N70-12	
method and apparatus for determining properties	Method for determining presence of OH in magnesium oxide
of a plasma [NASA-CASE-ARC-10598-1]	
Infrared tunable laser	BLUE, J. W.
[NASA-CASE-ARC-10463-1] CO9 N73-32	
Alignment apparatus using a laser having a	[NASA-CASE-LEW-10518-2] C24 N72-28714 Production of high purity I-123
qravitationally sensitive cavity reflector [NASA-CASE-ARC-10444-1] c16 N73-33	
BILOW, N.	Method of producing I-123
Thiophenyl ether disiloxanes and trisiloxanes	[NASA-CASE-LEW-11390-2] c24 N73-20763
useful as lubricant fluids [NASA-CASE-MPS-22411-11 c15 N73-28	Production of I-123 S532 [NASA-CASE-LEW-11390-3] c11 N73-28128
[NASA-CASE-MPS-22411-1] c15 N73-28 BINCKLEY, W. G.	BLUME, H. C.
Voltage regulator with plural parallel power	Parametric amplifiers with idler circuit feedback
source sections Patent	[NASA-CASE-LAR-10253-1] C09 N72-25258 6626 Apparatus and method for applying protective
[NASA-CASE-GSC-10891-1] c10 N71-26	coatings
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Apparatus for measuring thermal conductivity Patent [NASA-CASE-XGS-01052] c14 N71-1: BLACK, J. M. Full-wave modulator-demodulator-amplifier apparatus [NASA-CASE-FRC-10072-1] c09 N72-1 BLACK, S. H. Automatic qain control system [NASA-CASE-XMS-05307] c09 N69-2 BLACK, W. W. Triaxial antenna Patent [NASA-CASE-XGS-02290] c07 N71-2 BLACKASP, J. R. Temperature controller for a fluid cooled qarm [NASA-CASE-ARC-10599-1] c05 N73-2 BLACKSTOCK, T. A. Ferry system [NASA-CASE-LAR-10574-1] c11 N73-1 BLAIR, G. R. Inorqanic thermal control pigment [NASA-CASE-XNP-02139] Patent [NASA-CASE-XNP-02139] BLAISE, H. T.	Omnidirectional wheel
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Apparatus for measuring thermal conductivity Patent [NASA-CASE-XGS-01052] c14 N71-1: BLACK, J. M. Full-wave modulator-demodulator-amplifier apparatus [NASA-CASE-FRC-10072-1] c09 N72-1 BLACK, S. H. Automatic qain control system [NASA-CASE-XMS-05307] c09 N69-2 BLACK, W. W. Triaxial antenna Patent [NASA-CASE-XGS-02290] c07 N71-2 BLACKASP, J. R. Temperature controller for a fluid cooled qarm [NASA-CASE-ARC-10599-1] c05 N73-2 BLACKSTOCK, T. A. Ferry system [NASA-CASE-LAR-10574-1] c11 N73-1 BLAIR, G. R. Inorqanic thermal control pigment [NASA-CASE-XNP-02139] Patent [NASA-CASE-XNP-02139] BLAISE, H. T.	Omnidirectional wheel [NASA-CASE-MFS-21309-1]
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Miniature vibration isolator Paten		Overvoltage protection network	
[NASA-CASE-XLA-G1019]	c15 N70-40156	[NASA-CASE-ARC-10197-1]	c09 N73-29124
Radio frequency filter device		CAMP, D. W.	003 1173-23124
[NASA-CASE-XLA-02609]	c09 N72-25256	Anemometer with braking mechanism	Patent
BUTLER, P., JR.		[NASA-CASE-XMF-05224]	c14 N71-23726
Oxygen production method and appara	tus	Maxemeters (peak wind speed anemon	1014 N/1-23/20
[NASA-CASE-MSC-12332-1]	c15 N72-15476	[NASA-CASE-MFS-20916]	c14 N73-25460
BUTHAN, S.		CAMP, E. L.	C14 N73-23460
Signal phase estimator		Automatic signal range selector for	- motowi
[NASA-CASE-NPO-11203]	c10 N72-20224	devices Patent	or merelind
Multichannel telemetry system		[NASA-CASE-XMS-06497]	c14 N71-26244
[NASA-CASE-NPO-11572]	c07 N73-16121	CAMPBELL, B. A.	C14 N/1-20244
Receiver with an improved phase lock	t loop in a	CAMPBELL, B. A.	
Receiver with an improved phase lock multichannel telemetry system with	t loop in a	CAMPBELL, B. A. Epoxy-aziridine polymer product P	atent
Receiver with an improved phase lock multichannel telemetry system with carrier	t loop in a	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-10701]	
Receiver with an improved phase lock multichannel telemetry system with carrier {NASA-CASE-NPO-11593-1]	loop in a suppressed	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR.	Cook N71-28620
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J.	t loop in a	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de	cos N71-28620
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NFO-11593-1] BUZZABD, R. J. Radial heat flux transformer	loop in a suppressed	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASI-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792]	Cook N71-28620
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828]	c loop in a suppressed c07 N73-28012	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R.	Patent c06 N71-28620 evice Patent c14 N70-41812
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C.	c loop in a suppressed c07 N73-28012 c33 N72-17948	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron	ratent c06 N71-28620 rvice Patent c14 N70-41812
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C.	c loop in a suppressed c07 N73-28012 c33 N72-17948	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent	c loop in a suppressed c07 N73-28012 c33 N72-17948	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902]	c loop in a suppressed c07 N73-28012 c33 N72-17948 d insulators	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1]	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NFO-11593-1] BUZZABD, B. J. Radial heat flux transformer [NASA-CASE-NFO-10828] BYERS, D. C. Electrostatic thrustor with improved patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets	c loop in a suppressed c07 N73-28012 c33 N72-17948	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, P. D.	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, B. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1]	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NFO-11593-1] BUZZABD, B. J. Radial heat flux transformer [NASA-CASE-NFO-10828] BYERS, D. C. Electrostatic thrustor with improved patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets	c loop in a suppressed c07 N73-28012 c33 N72-17948 d insulators	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance	Patent c06 N71-28620 Evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G.	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, P. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686]	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, B. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1]	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, P. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E.	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11264] Ergometer	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, P. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E. Self-recording portable soil penet	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NFO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NFO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11264] Ergometer [NASA-CASE-MFS-21169-1]	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASI-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E. Self-recording portable soil penet [NASA-CASE-MFS-20774]	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, B. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pate [NASA-CASE-MFS-11204] Ergometer [NASA-CASE-MFS-21109-1] BYRD, A. W.	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E. Self-recording portable soil penet. [NASA-CASE-MFS-20774] CAMPBELL, G. W.	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer c14 N73-19420
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11204] Ergometer [NASA-CASE-MFS-21109-1] BYRD, A. W. Heat pipe thermionic diode power sys	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASE-NPO-16701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E. Self-recording portable soil penet [NASA-CASE-MFS-20774] CAMPBELL, G. W. Method and system for respiration	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer c14 N73-19420 analysis Patent
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEH-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11264] Ergometer [NASA-CASE-MFS-21169-1] BYRD, A. W. Heat pipe thermionic diode power sys [NASA-CASE-MFS-25843]	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941 item Patent	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASI-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. B. Self-recording portable soil penet [NASA-CASE-MFS-20774] CAMPBELL, G. W. Method and system for respiration of [NASA-CASE-XFR-08403]	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer c14 N73-19420
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEH-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11264] Ergometer [NASA-CASE-MFS-21169-1] BYRD, A. W. Heat pipe thermionic diode power sys [NASA-CASE-MFS-25843]	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941 item Patent	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. E. Self-recording portable soil penet. [NASA-CASE-MFS-20774] CAMPBELL, G. W. Method and system for respiration of [NASA-CASE-XFR-08403] CAMPBELL, J. G.	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer c14 N73-19420 analysis Patent c05 N71-11202
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11204] Ergometer [NASA-CASE-MFS-21109-1] BYRD, A. W. Heat pipe thermionic diode power sys	c loop in a suppressed c07 N73-28012 c33 N72-17948 insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941 item Patent	CAMPBELL, B. A. Epoxy-aziridine polymer product P [NASA-CASE-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. R. Self-recording portable soil penet [NASA-CASE-MFS-20774] CAMPBELL, G. W. Method and system for respiration of [NASA-CASE-XFR-08403] CAMPBELL, J. G. Multislot film cooled pyrolytic gri	eatent c06 N71-28620 evice Patent c14 N70-41812 izing system for in sync nt c07 N71-19773 of c14 N73-25462 rometer c14 N73-19420 analysis Patent c05 N71-11202
Receiver with an improved phase lock multichannel telemetry system with carrier [NASA-CASE-NPO-11593-1] BUZZARD, R. J. Radial heat flux transformer [NASA-CASE-NPO-10828] BYERS, D. C. Electrostatic thrustor with improved Patent [NASA-CASE-XLE-01902] Sputtering holes with ion beamlets [NASA-CASE-LEW-11646-1] BYNUM, B. G. Response analyzers for sensors Pater [NASA-CASE-MFS-11264] Ergometer [NASA-CASE-MFS-21109-1] BYRD, A. W. Heat pipe thermionic diode power sys [NASA-CASE-MFS-21109-1] BYRD, A. W. Heat pipe thermionic diode power sys [NASA-CASE-MFS-21109-1] BYRD, A. W. Heat pipe thermionic diode power sys [NASA-CASE-MFS-1109-1] POWER SYSTEM WITH heat pipe liquid content [NASA-CASE-MFS-14114-21]	c loop in a suppressed c07 N73-28012 c33 N72-17948 d insulators c28 N71-10574 c28 N72-32760 ent c14 N71-29134 c05 N73-27941 etem Patent c03 N71-11055 colant lines	CAMPBELL, B. A. EPOXY-aziridine polymer product P [NASA-CASI-NPO-10701] CAMPBELL, C. C., JR. Discrete local altitude sensing de [NASA-CASE-XMS-03792] CAMPBELL, D. R. Time division radio relay synchron using different sync code words and out of sync conditions Pate [NASA-CASE-GSC-10373-1] CAMPBELL, F. D. Radiant source tracker independent nonconstant irradiance [NASA-CASE-NPO-11686] CAMPBELL, G. R. Self-recording portable soil penet [NASA-CASE-MFS-20774] CAMPBELL, G. W. Method and system for respiration [NASA-CASE-XFR-08403] CAMPBELL, J. G. Multislot film cooled pyrolytic granozzle Patent	oatent
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Fast response low power drain logic	c1rcults c10 N72-22236	CARROLL, W. F. Stabilized zinc oxide coating composi	itions Patent
[NASA-CASE-GSC-10878-1]	C10 872-22250	[NASA-CASE-XMF-07770-2]	c18 N71-26772
CANICATTI, C. L. Voltage monitoring system		CARSON. J. W.	
[NASA-CASE-KSC-10736-1]	c09 N73-23290	Quasi-optical microwave component Pa	atent
CANNING, T. N.		[NASA-CASE-ERC-10011]	c07 N71-29065
Shock-layer radiation measurement		CARSON, P. R.	
[NASA-CASE-XAC-02970]	c14 N69-39896	Array phasing device Patent [NASA-CASE-ERC-10046]	c10 N71-18722
Hypervelocity gun Patent	-44 N24 10E78	CARSON, W. N., JR.	C 10 B 7 1 - 10 7 2 2
[NASA-CASE-XAC-05902]	c11 N71-18578	Didymium hydrate additive to nickel	hydroxide
Heater-mixer for stored fluids [NASA-CASE-ARC-10442-1]	c14 N73-30415	electrodes Patent	•
Bimetallic fluid displacement appara		[NASA-CASE-XGS-03505]	c03 N71-10608
[NASA-CASE-ARC-10441-1]	c15 N73-30461	CARTER, A. F.	
CANTOR, C.		Plasma accelerator Patent	AF WEE 22067
Attitude control system Patent		[NASA-CASE-XLA-00675]	c25 N70-33267
[NASA-CASE-XGS-04393]	c21 N71-14159	method and apparatus for producing a	c25 N70-34661
Amplifier clamping circuit for horiz	zon scanner	[NASA-CASE-XLA-00147]	C25 N/U-34661
Patent	40 974 20702	CARTER, W. K. Emergency earth orbital escape devic	Α.
[NASA-CASE-XGS-01784]	c10 N71-20782	[NASA-CASE-MSC-13281]	c31 N72-18859
Roll alignment detector	c14 N72-20379	CARUSO, A. J.	0012 10007
[NASA-CASE-GSC-10514-1]	C14 N72-20373	Sorption vacuum trap Patent	
CANVEL, H. Video communication system and appar	ratus Patent	[NASA-CASE-XER-09519]	c14 N71-18483
[NASA-CASE-XNP-06611]	c07 N71-26102	CASE, H. C.	
CAPLETTE, R. K.		Space suit	
Current steering commutator		[NASA-CASE-MSC-12609-1]	c05 N73-32012
[NASA-CASE-NPO-10743]	c08 N72-21199	CASEY, L. O.	
CAPPS. J. E.		Electrical load protection device P	atent
Two-step rocket engine bipropellant	valve Patent	[NASA-CASE-MSC-12135-1]	c09 N71-12526
1,000	c15 N70-22192	CASHION, K. D. Solar optical telescope dome control	system Patent
CARBN, R. P.	rofrigoration	[NASA-CASE-MSC-10966]	c14 N71-19568
Dual solid cryogens for spacecraft	rellideracion	Radiation detector readout system P	
Patent [NASA-CASE-GSC-10188-1]	c23 N71-24725	[NASA-CASE-XMS-03478]	c14 N71-21040
	020 1.77 2772	CAUDILL, L.	
CARL, C. Method and apparatus for synchroniz:	ing a single	Azimuth bearing system and method	
channel digital communications sy	stem	[NASA-CASE-GSC-11262-1]	c16 N72-21503
[NASA-CASE-NPO-11302-2]	c07 N72-28164	CECCON, H. L.	
Digital second order phase locked le	оор	Optical pump and driver system for 1	.asers
[NASA-CASE-NPO-11905-1]	c08 N73-12192	[NASA-CASE-ERC-10283]	c16 N72-25485
Apparatus for deriving synchronizing	g pulses from	CEPOLLINA, F. J. Strain gauge measuring techniques F	Patent
pulses in a single channel PCM co	naunications	[NASA-CASE-XGS-04478]	c14 N71-24233
system			
FW1 C1 C1 CE NDO 11202-17	CO7 N73-13149	CHAPPEE, N. H.	
[NASA-CASE-NPO-11302-1]	c07 N73-13149	CHAFFEE, N. H. Oxygen production method and apparat	us
CARL, G. R.	c07 N73-13149	Oxygen production method and apparat	cus c15 N72-15476
CARL, G. R. Air conditioned suit	c07 N73-13149	Oxygen production method and apparat	cus c15 N72-15476
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISIR. T. R.	c05 N73-20137	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus	c15 N72-15476
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISIR. T. R.	c05 N73-20137	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002]	c15 N72-15476
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent	c05 N73-20137	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B.	c15 N72-15476
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. B. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237]	c05 N73-20137	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of	c15 N72-15476 c14 N72-22441 cooled garment
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CABLISLE, T. R. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W.	c05 N73-20137 ly heating c33 N71-16278	Oxygen production method and apparat [NASA-CASE-NSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1]	c15 N72-15476
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CABLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier	c05 N73-20137 ly heating c33 N71-16278 Patent	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A.	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CARLISLE, T. B. Method and apparatus for controllab fluid Patent {NASA-CASE-XMF-042371} CARLSON, A. W. Pulse-wiath modulation multiplier {NASA-CASE-XER-09213}	c05 N73-20137 ly heating c33 N71-16278	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. R. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W.	c05 N73-20137 ly heating c33 N71-16278 Patent	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A.	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent	c05 N73-20137 ly heating c33 N71-16278 Patent	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072]	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. R. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A.	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04672] Spacecraft radiator cover Patent	c15 N72-15476 c14 N72-22441 cooled qarment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A. Flectric arc device for heating qas	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-MSC-12049]	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Hethod and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A. Flectric arc device for heating qas [NASA-CASE-XAC-00319]	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-MSC-12049] Winch having cable position and load	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, H. W. Supersonic aircraft Patent {NASA-CASE-XLA-04451} CARLSON, W. C. A. Flectric arc device for heating qas {NASA-CASE-XAC-00319} CARMIN, D. L., JR.	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing devidence of the sensing devide	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CARLISLE, T. E. Method and apparatus for controllab fluid Patent {NASA-CASE-XMF-04237} CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, H. W. Supersonic aircraft Patent {NASA-CASE-XLA-04451} CARLSON, W. C. A. Electric arc device for heating qas {NASA-CASE-XAC-00319} CARHIN, D. L., JR. Anti-foq composition	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10595-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-MSC-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1]	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A. Flectric arc device for heating qas [NASA-CASE-XAC-00319] CARMIN, D. L., JR. Anti-foq composition [NASA-CASE-MSC-13530-2]	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing devidence of the sensing devide	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CABLISLE, T. E. Method and apparatus for controllab fluid Fatent {NASA-CASE-XMF-04237} CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, H. W. Supersonic aircraft Patent {NASA-CASE-XLA-04451} CARLSON, W. C. A. Flectric arc device for heating qas {NASA-CASE-XAC-00319} CARMIN, D. L., JR. Anti-foq composition {NASA-CASE-MSC-13530-2} CARMONY, R. J. CARMONY, R. J.	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c06 N73-11107	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Winch having cable position and load Patent [NASA-CASE-MSC-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1] CHANDLER, W. A.	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XER-04451] CARLSON, W. C. A. Electric arc device for heating qas [NASA-CASE-XLA-04451] CARMIN, D. L., JR. Anti-foq composition [NASA-CASE-MSC-13530-2] CARMODY, R. J. Hand cutter and sealer for fusible	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c06 N73-11107	Oxygen production method and apparate [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Winch having cable position and load Patent [NASA-CASE-MSC-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPMAN, C. P.	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 indicators c15 N71-24599
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CARLISLE, T. B. Method and apparatus for controllab fluid Patent {NASA-CASE-XMF-042371} CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, B. W. Supersonic aircraft Patent {NASA-CASE-XLA-044511} CARLSON, W. C. A. Flectric arc device for heating qas {NASA-CASE-XAC-00319} CARMIN, D. L., JR. Anti-foq composition {NASA-CASE-MSC-13530-2} CARMODY, R. J. Hand cutter and sealer for fusible {NASA-CASE-XMF-09386}	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c06 N73-11107 fabrics c15 N69-21854 res same Patent	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing device of the control of t	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 indicators c15 N71-24599 c31 N70-41871
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XER-04451] CARLSON, W. C. A. Electric arc device for heating qas [NASA-CASE-XLA-04451] CARMIN, D. L., JR. Anti-foq composition [NASA-CASE-MSC-13530-2] CARMODY, R. J. Hand cutter and sealer for fusible	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 es Patent c25 N70-41628 c06 N73-11107 fabrics c15 N69-21854	Oxygen production method and apparat [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04672] Spacecraft radiator cover Patent [NASA-CASE-XMS-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPMAN, C. P. Switching circuit Patent [NASA-CASE-XNS-06505]	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators c15 N71-24599 c31 N70-41871
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CABLISLE, T. B. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CABLSON, H. W. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A. Electric arc device for heating qas [NASA-CASE-XAC-00319] CARMIN, D. L., JR. Anti-foq composition [NASA-CASE-MSC-13530-2] CABMODY, R. J. Hand cutter and sealer for fusible [NASA-CASE-XMF-09386] Honeycomb panel and method of makin [NASA-CASE-XMF-01402] CABOM, P. R.	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c06 N73-11107 fabrics c15 N69-21854 res same Patent c18 N71-21651	Oxygen production method and apparate [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Winch having cable position and load Patent [NASA-CASE-MSC-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPMAN, C. P. Switching circuit Patent [NASA-CASE-XNP-06505] Peak acceleration limiter for vibrate	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators c15 N71-24599 c31 N70-41871 c10 N71-24799
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CABLISLE, T. E. Method and apparatus for controllab fluid Fatent {NASA-CASE-XMF-04237} CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, H. W. Supersonic aircraft Patent {NASA-CASE-XER-04451} CARLSON, W. C. A. Flectric arc device for heating qas {NASA-CASE-XAC-00319} CARMIN, D. L., JR. Anti-foq composition {NASA-CASE-MSC-13530-2} CARMODY, R. J. Hand cutter and sealer for fusible {NASA-CASE-XMF-093861} Honeycomb panel and method of makin {NASA-CASE-XMF-01402} CARON, P. R. Logarithmic function generator util	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c66 N73-11107 fabrics c15 N69-21854 res are Patent c18 N71-21651	Oxygen production method and apparate [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing device [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Winch having cable position and load Patent [NASA-CASE-XMS-04390] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPHAN, C. P. Switching circuit Patent [NASA-CASE-XNP-06505] Peak acceleration limiter for vibrate Patent	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 dindicators c15 N71-24599 c31 N70-41871 c10 N71-24799 tional tester
CARL, G. R. Air conditioned suit {NASA-CASE-LAR-10076-1} CARLISLE, T. E. Method and apparatus for controllab fluid Patent {NASA-CASE-XMF-04237} CARLSON, A. W. Pulse-width modulation multiplier {NASA-CASE-XER-09213} CARLSON, H. W. Supersonic aircraft Patent {NASA-CASE-XLA-04451} CARLSON, W. C. A. Electric arc device for heating qas {NASA-CASE-XAC-00319} CARMIN, D. L., JR. Anti-foq composition {NASA-CASE-MSC-13530-2} CARMODY, R. J. Hand cutter and sealer for fusible {NASA-CASE-XMF-09386} Honeycomb panel and method of makin {NASA-CASE-XMF-01402} CARON, P. R. Logarithmic function generator util exponentially varying signal in a	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 res Patent c25 N70-41628 c66 N73-11107 fabrics c15 N69-21854 res are Patent c18 N71-21651	Oxygen production method and apparate [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHAMDLER, J. A. Discrete local altitude sensing devi [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-MSC-12049] Winch having cable position and load Patent [NASA-CASE-MSC-12052-1] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPMAN, C. P. Switching circuit Patent [NASA-CASE-XNP-06505] Peak acceleration limiter for vibrate Patent [NASA-CASE-NPO-10556]	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators c15 N71-24599 c31 N70-41871 c10 N71-24799 tional tester c14 N71-27185
CARL, G. R. Air conditioned suit [NASA-CASE-LAR-10076-1] CARLISLE, T. E. Method and apparatus for controllab fluid Patent [NASA-CASE-XMF-04237] CARLSON, A. W. Pulse-width modulation multiplier [NASA-CASE-XER-09213] CARLSON, W. C. A. Supersonic aircraft Patent [NASA-CASE-XLA-04451] CARLSON, W. C. A. Plectric arc device for heating qas [NASA-CASE-XAC-00319] CARMIN, D. L., JR. Anti-foq composition [NASA-CASE-MSC-13530-2] CARMODY, R. J. Hand cutter and sealer for fusible [NASA-CASE-XMF-09386] Honeycomb panel and method of makin [NASA-CASE-XMF-01402] CARON, P. R. Loqarithmic function generator util exponentially varying signal in a manner	c05 N73-20137 ly heating c33 N71-16278 Patent c07 N71-12390 c02 N71-12243 es Patent c25 N70-41628 c06 N73-11107 fabrics c15 N69-21854 cq same Patent c18 N71-21651 dizing an in inverse	Oxygen production method and apparate [NASA-CASE-MSC-12332-1] CHAMBERLAIN, F. R. Optical binocular scanning apparatus [NASA-CASE-NPO-11002] CHAMBERS, A. B. Temperature controller for a fluid of [NASA-CASE-ARC-10599-1] CHANDLER, J. A. Discrete local altitude sensing device [NASA-CASE-XMS-03792] Line cutter Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Spacecraft radiator cover Patent [NASA-CASE-XMS-04072] Winch having cable position and load Patent [NASA-CASE-XMS-04390] CHANDLER, W. A. Cryogenic storage system Patent [NASA-CASE-XMS-04390] CHAPHAN, C. P. Switching circuit Patent [NASA-CASE-XNP-06505] Peak acceleration limiter for vibrate Patent	c15 N72-15476 c14 N72-22441 cooled garment c05 N73-26071 ice Patent c14 N70-41812 c15 N70-42017 c31 N71-16086 d indicators c15 N71-24599 c31 N70-41871 c10 N71-24799 tional tester c14 N71-27185
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COON, G. W. Vibrating element electrometer with ou	tout	CRAWFORD, R.	
signal magnified over input signal k	y a	Solar energy powered heliotrope	
function of the mechanical Q of the	v ibrating	[NASA-CASE-GSC-10945-1]	c21 N72-31637
element Patent	-00 471 22021	CRAWFORD, W. B. Drive circuit for minimizing power co	ansumption
[NASA-CASE-XAC-02807] Thermally cycled magnetometer Patent	:09 N71-23021	in inductive load Patent	·
[NASA-CASE-XAC-03740]	14 N71-26135	[NASA-CASE-NPO-10716]	c09 N71-24892
COOPER. C. R.		CREASY, W. K.	•
Underwater space suit pressure control	l regulator	Shock absorber Patent	c15 N71-21530
	05 N72-20097	[NASA-CASE-XMS-03722] CREE, D.	C13 M71-21330
Underwater space suit pressure control [NASA-CASE-MFS-20332-2]	05 N73-25125	Amplifier drift tester	
COOPER, D. W.		[NASA-CASE-XMS-05562-1]	c09 N69-39986
Generator for a space power system Pa	itent	CREE, R. F.	-:1-
The character of	c09 N71-20446	Catalyst for growth of boron carbide crystal whiskers	single
COOPER, W. E.		[NASA-CASE-XHQ-03903]	c15 N69-21922
Collapsible Apollo couch [NASA-CASE-HSC-13140]	05 N72-11085	CREPEAU, P. C.	
COPELAND, J. T., JR.		Flexible, repairable, pottable mater	ial for
High speed photo-optical time recording	nq	electrical connectors Patent	c18 N71-25881
1 222 222	c14 N72-18411	[NASA-CASE-XGS-05180] CRESS, S. B.	C10 N/1-23801
CORBIN, P. L. Automatic fatique test temperature pro	ogrammer	Coaxial inverted geometry transistor	having
Patent	V42.4.1.1.0.1	buried emitter	
	c33 N71-24276	[NASA-CASE-ARC-10330-1]	c09 N73-32112
CORNILLE, H. J., JR.		CRESSEY, J. R. Display for binary characters Paten	+
Stretch de-spin mechanism Patent	c30 N70-40016	[NASA-CASE-XGS-04987]	c08 N71-20571
[NASA-CASE-XGS-00619] CORNISH, S.	030 1170 40010	CREWS, J. H., JR.	
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,	c63 N73-20042	CRIBB, H. E. Parasitic probe antenna Patent	
CORSON, B. W., JR. Nozzle Patent		[NASA-CASE-XKS-09348]	c09 N71-13521
[NASA-CASE-XLA-00154]	c28 N70-33374	Weatherproof helix antenna Patent	
Cascade plug nozzle	40 UMD 41111	[NASA-CASE-XKS-08485]	c07 N71-19493
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COSTES, N. C. Self-recording portable soil penetrom	eter	Validation device for spacecraft che	
[NASA-CASE-MFS-20774]	c14 N73-19420	equipment Patent	
COSTON, R. M.		[NASA-CASE-XKS-10543]	c07 N71-26292
Dual solid cryogens for spacecraft re	frigeration	Protective suit having an audio tran	c07 N71-33108
Patent	c23 N71-24725	[NASA-CASE-KSC-10164] Collapsible high gain antenna	CO1 M11-23100
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COTE, C. B. Display for binary characters Patent		CROFT, R. M.	
[NASA-CASE-XGS-04987]	c08 N71-20571	Personal propulsion unit Patent	-20 NZ4 27505
COUCH, R. H.	ing a	[NASA-CASE-MFS-20130]	c28 N71-27585
Apparatus for aiding a pilot in avoid midair collision between aircraft	тпй q	CROPTS, D. E. Heat flux sensor assembly	
	c21 N73-30641	[NASA-CASE-XMS-05909-1]	c14 N69-27459
COULBERT, C. D.		CROSWELL, W. P.	
Multislot film cooled pyrolytic graph	ite rocket	Omnidirectional microwave spacecraft	antenna
nozzle Patent	c28 N71-20942	Patent [NASA-CASE-XLA-03114]	c09 N71-22888
[NASA-CASE-XNP-04389] COUVILLON, L. A., JR.	CZO N/1-20942	Stacked array of omnidirectional ant	
Signal-to-noise ratio estimating by t	aking ratio	[NASA-CASE-LAR-10545-1]	c09 N72-21244
of mean and standard deviation of i	ntegrated	Dielectric loaded aperture antenna	-00 872 40047
signal samples Patent	-03 974 00304	[NASA-CASE-LAR-11084-1]	c09 N73-12216
[NASA-CASE-XNP-C5254]	c07 N71-20791	CROUCH, H. W. Shrink-fit qas valve Patent	

[NASA-CASE-XGS-00587]	c15 N70-35087	[NASA-CASE-IMP-03074]	c06 N71-24740
CROW, R. B.		DALY, W. M.	000 277 24740
Wide band doubler and sine wave quad generator	lrature	Pault-tolerant clock apparatus	
[NASA-CASE-NPO-11133]	c10 N72-20223	[NASA-CASE-MSC-12531-1]	c14 N73-22386
Filter for third order phase locked	loops	DAMERON, C. B. Instrument for measuring potentia	10 00 400
[NASA-CASE-NPO-11941-1]	c10 N73-27171	dimensional electric field plot	S Patent
CROM, G. W.		[NASA-CASE-XLA-08493]	c10 N71-19421
Foot pedal operated fluid type exerc		DAMMIG, A. H., JR.	
[NASA-CASE-MSC-11561-1] CRUMPLEB, W. B.	c05 N73-32014	Capacitive tank gaging apparatus	being
All-directional fastener Patent		independent of liquid distribut [NASA-CASE-MPS-21629]	
[NASA-CASE-XLA-01807]	c15 N71-10799	DANCHENKO, V.	c14 N72-22442
Multilegged support system Patent		Radiation hardening of MOS device	s by horon
[NASA-CASE-XLA-01326]	c11 N71-21481	[NASA-CASE-GSC-11425-1]	c24 N72-20637
CRUTCHER, J. B.		Radiation hardening of MOS device	s by boron
Isolation coupling arrangement for a measuring system	torque	[NASA-CASE-GSC-11425-2]	c09 N73-32114
	c15 N72-22482	DANE, D. H. Harness assembly Patent	
CUBBISON, R. W.	0.0 0.1 22402	[NASA-CASE-MFS-14671]	c05 N71-12341
Thrust and direction control apparat	us Patent	Air cushion lift pad Patent	COS M71-12341
	c31 N71-17629	[NASA-CASE-MFS-14685]	c31 N71-15689
CUBLEY, H. D.	. 	Ratchet mechanism Patent	
Antenna array phase quadrature track Patent	ind system	[NASA-CASE-MFS-12805]	c15 N71-17805
<u> </u>	c07 N71-27056	Mechanical simulator of low gravi Patent	ty conditions
CUNNINGHAM, H. R.	2000	[NASA-CASE-MFS-10555]	c11 N71-19494
A potable water dispenser		Mechanically actuated triggered h	and
[NASA-CASE-MFS-21115-1]	c05 N72-28097	[NASA-CASE-MFS-20413]	c15 N72-21463
CURRIE, J. R. Bi-carrier demodulator with modulati	an Dat+	Sprag solenoid brake	
[NASA-CASE-XMF-01160]	c07 N71-11298	[NASA-CASE-MPS-21846-1]	c15 N73-23552
Transistor servo system including a	unique	DANGLE, E. E. Rocket engine Patent	
differential amplifier circuit Pa	tent	[NASA-CASE-XLE-00342]	c28 N70-37980
	c10 N71-24861	DANIELS, H. J.	C20 N/0-3/300
Pulse width inverter Patent	40 474 05400	Adaptive tracking notch filter sy	stem Patent
[NASA-CASE-MFS-10068] Ratemeter	c10 N71-25139	[NASA-CASE-XMF-01892]	c10 N71-22986
[NASA-CASE-MFS-20418]	c14 N73-24473	DANSKIN, J. H.	1
Induction motor control system with	voltage	Fuel injection pump for internal or engines Patent	combustion
controlled oscillator circuit	ŕ	[NASA-CASE-MSC-12139-1]	C28 N71-14058
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CURRIE, R. E., JR. Relay binary circuit Patent		Satellite communication system and	
	c09 N70-34502	[NASA-CASE-GSC-10118-1]	c07 N71-24621
CURRY, J. E.	203 1170 34302	DARR, J., JR. Threadless fastener apparatus Pa	tont
Method of producing alternating ethe	r siloxane	[NASA-CASE-XFR-05302]	c15 N71-23254
copolymers Patent		DARROW, W. E., JR.	
[NASA-CASE-XMF-02584] CURRY, R. C.	c06 N71-20905	Collapsible nozzle extension for a	cocket engines
Torsional disconnect unit		Patent	
[NASA-CASE-NPO-10704]	c15 N72-20445	[NASA-CASE-MFS-11497] DASGUPTA, K.	c28 N71-16224
CUERY, R. E.		Dual purpose optical instrument ca	mable of
Display research collision warning s		simultaneously acting as spectro	meter and
[NASA-CASE-HQN-10703] CURTIS, D. L.	c21 N73-13643	diffractometer	
Life support system		[NASA-CASE-XNP-05231]	c14 N73-28491
[NASA-CASE-MSC-12411-1]	c05 N72~20096	DAVID, R. M. Insulated electrocardiographic ele	ort modes
CZARCINSKI, R. A.		[NASA-CASE-MSC-14339-1]	c05 N73-21151
Programmable telemetry system Paten		DAVIDS, L. H.	003 11/3 21131
[NASA-CASE-GSC-10 131-1]	c07 N71-24624	Guidance and maneuver analyzer Pa	
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D		[NASA-CASE-XNP-09572]	c14 N71-15621
D		DAVIDSON, A. C.	
DAHH, W. K.		DAVIDSON, A. C. Spacecraft attitude sensor	c14 N71-15621
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DAHH, W. K. Clear air turbulence detector [NASA-CASE-MFS-21244-1]	c20 N73-21523	DAVIDSON, A. C. Spacecraft attitude sensor [NASA-CASE-GSC-10890-1] DAVIDSON, J. K. Ripple indicator	c14 N71-15621 c21 N73-30640
DAHH, W. K. Clear air turbulence detector [NASA-CASE-MFS-21244-1] DAILBY, C. C.		DAVIDSON, A. C. Spacecraft attitude sensor [NASA-CASE-GSC-10890-1] DAVIDSON, J. K. Ripple indicator [NASA-CASE-KSC-10162]	c14 N71-15621
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DAHH, W. K. Clear air turbulence detector [NASA-CASE-MFS-21244-1] DAILBY, C. C. Microwave power receiving antenna Page [NASA-CASE-MFS-20333] DALE, W. J.	atent c09 N71-13486	DAVIDSON, A. C. Spacecraft attitude sensor [NASA-CASE-GSC-10890-1] DAVIDSON, J. K. Ripple indicator [NASA-CASE-KSC-10162] DAVIDSON, J. S. W. Centrifuge mounted motion simulator	c14 N71-15621 c21 N73-30640 c09 N72-11225 r Patent
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DAHH, W. K. Clear air turbulence detector [NASA-CASE-MFS-21244-1] DAILBY, C. C. Microwave power receiving antenna Pa [NASA-CASE-MFS-20333] DALB, W. J. Method of fabricating an article with [NASA-CASE-LAR-10318-1]	atent c09 N71-13486	DAVIDSON, A. C. Spacecraft attitude sensor [NASA-CASE-GSC-10890-1] DAVIDSON, J. K. Ripple indicator [NASA-CASE-KSC-10162] DAVIDSON, J. S. W. Centrifuge mounted motion simulato [NASA-CASE-XAC-00399] DAVIES, W. D. T. Correlation type phase detector	c14 N71-15621 c21 N73-30640 c09 N72-11225 F Patent c11 N70-34815
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DAHH, W. K. Clear air turbulence detector [NASA-CASE-MFS-21244-1] DAILBY, C. C. Microwave power receiving antenna Property of the Microwave power receiving an article with [NASA-CASE-MFS-20333] DALE, W. J. Method of fabricating an article with [NASA-CASE-LAR-10318-1] DALELIO, G. F. Synthesis of polymeric schiff bases is schiff-base exchange reactions Pate [NASA-CASE-XMF-08651] Direct synthesis of polymeric schiff two amines and two aldehydes Pater	atent c09 N71-13486 h cavities c14 N72-20396 by tent c06 N71-11236 bases from at c06 N71-11239	DAVIDSON, A. C. Spacecraft attitude sensor [NASA-CASE-GSC-10890-1] DAVIDSON, J. K. Ripple indicator [NASA-CASE-KSC-10162] DAVIDSON, J. S. W. Centrifuqe mounted motion simulate [NASA-CASE-XAC-00399] DAVIES, W. D. T. Correlation type phase detector [NASA-CASE-GSC-11744-1] DAVIS, A. J. Piber optic vibration transducer a Patent [NASA-CASE-XMF-02433] DAVIS, B. K. Spectral method for monitoring atm contamination of inert-gas weldi	c14 N71-15621 c21 N73-30640 c09 N72-11225 r Patent c11 N70-34815 c09 N73-23291 nd analyzer c14 N71-10616 ospheric
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DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1]	c05 N73-32012	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump	scanner c07 N69-27460 c15 N73-28516
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent	c05 N73-32012 c10 N71-25899	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent	c05 N73-32012 c10 N71-25899 c07 N70-36911	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185]	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically
DUBMBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent	c10 N71-25899 c07 N70-36911 cting	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NP0-13263-1] Magnetic-flux pump	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443
DUBNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-Locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XSE-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NP0-13263-1] Magnetic-flux pump fNASA-CASE-XNP-01188]	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically
DUBMBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NP0-13263-1] Magnetic-flux pump	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-Locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 g moon c10 N71-26326	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NP0-13263-1] Magnetic-flux pump fNASA-CASE-XNP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361
DUBBBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E BASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10743] Two carrier communication system wit	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 g moon c10 N71-26326	Internal flare angle qauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-XNP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051]	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-Locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 g moon c10 N71-26326	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-XPO-13263-1] Magnetic-flux pump fNASA-CASE-XPD-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934
DUBBRY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, R. A.	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118	Internal flare angle qauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-XNP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481]	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, H. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-Locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-XPO-13263-1] Magnetic-flux pump fNASA-CASE-XPD-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin	scanner c07 N69-27460 c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method
DURNBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, H. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, R. A. Data multiplexer using tree switchin configuration [NASA-CASE-NPO-11333]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118 q c08 N72-22162	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-NP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481] Two-fluid magnetohydrodynamic system for thermal-electric power convers [NASA-CASE-XNP-00644]	c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method ion Patent c03 N70-36803
DURNBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-NPO-0748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-NPO-072723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, B. A. Data multiplexer using tree switchin configuration [NASA-CASE-NPO-11333] Flexible computer accessed telemetry	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118 q c08 N72-22162	Internal flare angle qauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-XNP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481] Two-fluid magnetohydrodynamic system for thermal-electric power convers [NASA-CASE-XNP-00644] Two phase flow system with discrete	c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method ion Patent c03 N70-36803
DURNBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, M. A. Data multiplexer using tree switchin configuration [NASA-CASE-NPO-11333] Flexible computer accessed telemetry [NASA-CASE-NPO-11358] EBERSOLE, T. J.	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118 q c08 N72-22162	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-NP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481] Two-fluid magnetohydrodynamic system for thermal-electric power convers [NASA-CASE-XNP-00644]	c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method ion Patent c03 N70-36803
DURNBY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. P. Badar ranging receiver Patent [NASA-CASE-NPO-0748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-NPO-072723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, B. A. Data multiplexer using tree switchin configuration [NASA-CASE-NPO-11333] Flexible computer accessed telemetry [NASA-CASE-NPO-11358] EBERSOLE, T. J. An inverter ratio failure detector	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h sinqle c07 N73-26118 q c08 N72-22162 c07 N72-25172	Internal flare angle qauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XGS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-NPO-13263-1] Magnetic-flux pump [NASA-CASE-NPO-1188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481] Two-fluid magnetohydrodynamic system for thermal-electric power convers [NASA-CASE-XNP-00644] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] ELLIOTT, R. L.	c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method ion Patent c03 N70-36803 impinging c12 N72-25292
DURNEY, G. P. Space suit [NASA-CASE-MSC-12609-1] DUSTIN, M. O. Pneumatic oscillator Patent [NASA-CASE-LEW-10345-1] E EASTERLING, M. F. Radar ranging receiver Patent [NASA-CASE-XNP-00748] Phase-locked loop with sideband reje properties Patent [NASA-CASE-XNP-02723] Time synchronization system utilizin reflected coded signals Patent [NASA-CASE-NPO-10143] Two carrier communication system wit transmitter [NASA-CASE-NPO-11548] EASTON, R. A. Data multiplexer using tree switchin configuration [NASA-CASE-NPO-11333] Flexible computer accessed telemetry [NASA-CASE-NPO-11358] EBERSOLE, T. J. An inverter ratio failure detector [NASA-CASE-NPO-13160-1]	c05 N73-32012 c10 N71-25899 c07 N70-36911 ctinq c07 N70-41680 q moon c10 N71-26326 h single c07 N73-26118 q c08 N72-22162	Internal flare angle gauge Patent [NASA-CASE-XMF-04415] ELIA, A. D. Monopulse system with an electronic [NASA-CASE-XS-05582] ELLEMAN, D. D. Continuous magnetic flux pump [NASA-CASE-XNP-01187] Superconductive magnetic-field-trapp [NASA-CASE-XNP-01185] Material suspension within an acoust excited resonant chamber [NASA-CASE-XNP-013263-1] Magnetic-flux pump [NASA-CASE-XNP-01188] ELLERN, W. B. Method of evaluating moisture barrie of encapsulating materials Patent [NASA-CASE-NPO-10051] ELLIOTT, D. G. Magnetohydrodynamic induction machin [NASA-CASE-XNP-07481] Two-fluid magnetohydrodynamic system for thermal-electric power convers [NASA-CASE-XNP-00644] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] ELLIOTT, R. L. Preparation of ordered poly /arylene	c15 N73-28516 ing device c26 N73-28710 ically c15 N73-31443 c15 N73-32361 r properties c18 N71-24934 e c25 N69-21929 and method ion Patent c03 N70-36803 impinging c12 N72-25292
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[NASA-CASE-XGS-00619] FBDORS, R. F. Parallel-plate viscometer with double suspension [NASA-CASE-NPO-11387] FEILER, C. E. Control of transverse instability is combustors Patent [NASA-CASE-XLE-04603] FBINBERG, P. M. Diqital telemetry system Patent [NASA-CASE-XGS-01812] Programmable telemetry system Patent [NASA-CASE-SGS-10131-1] FEINSTEIN, L. Microwave flaw detector Patent [NASA-CASE-ARC-10009-1] Method and apparatus for swept-free impedance measurements of welds [NASA-CASE-ARC-10176-1] FENG, S. I. M. Requlated dc to dc converter for vc or step-down with input-output is [NASA-CASE-HQN-10792-1] FENTRESS, C. B. Expanding center probe and droque [NASA-CASE-HQN-10792-1] FERGUSON, R. E. Two-step rocket engine bipropellant [NASA-CASE-XHS-03613] FERGUSON, R. E. Two-step rocket engine bipropellant [NASA-CASE-XHS-03613] FERGUSON, R. E. Two-step rocket engine bipropellant [NASA-CASE-XHS-0489C-1] FERRARA, L. J. Collapsible Apollo couch [NASA-CASE-MSC-13140] FESSLER, T. E. Thin window, drifted silicon, chardedeetcor	c14 N73-14429 In rocket c33 N71-21507 c07 N71-23001 c07 N71-24624 c15 N71-17822 quency c15 N72-21464 cltage step-up solation c09 N72-27230 Patent c31 N71-16346 t valve Patent c15 N70-22192 c05 N72-11085 qed particle c14 N69-23191 tet	FISH, D. C. Spin forming tubular elbows Patent [NASA-CASE-XMF-01083] FISH, R. H. Auditory display for the blind [NASA-CASE-HQN-10832-1] FISHER, A. Process for making RF shielded cable of assemblies and the products formed in [NASA-CASE-GSC-11215-1] Microscope multi-angle, reflection, viadaptor and photographic recording in [NASA-CASE-GSC-11690-1] FITCH, E. J. Modulator for tone and binary signals [NASA-CASE-GSC-11743-1] FITTING, R. C. Phase modulator Patent [NASA-CASE-MSC-13201-1] FITTON, J. A., JR. Multiple orifice throttle valve Patent [NASA-CASE-NP-09698] FIZZGERALD, D. J. Ion thruster with a combination keeper and electron baffle [NASA-CASE-NP0-11880] FIZZGERALD, J. Flow test device [NASA-CASE-NB0-11880] FIZZGERALD, J. W. Visual examination apparatus [NASA-CASE-XMS-04917] FIZZGERALD, J. W. Visual examination apparatus [NASA-CASE-RC-10329-1] FIZZGERALD, T. H. A solid state acoustic variable time of Patent [NASA-CASE-ERC-10032] FIZZMAURICE, M. W. Retrodirective modulator Patent	c15 N71-22723 c14 N73-12456 connector thereby c09 N73-28083 ieving system c14 N73-28499 c07 N73-27107 c07 N71-28429 nt c15 N71-18580 r electrode c28 N73-24783 c14 N69-24257 c05 N73-26072 delay line c10 N71-25900
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[NASA-CASE-ERC-10552] c09 N71-12539	HOPFMAN, I. S.
Fluidic-thermochromic display device Patent (NASA-CASE-FRC-10031) c12 N71-18603	Impact energy absorber Patent [NASA-CASE-XLA-01530] c14 N71-23092
[NASA-CASE-ERC-10031] c12 N71-18603 Plasma fluidic hybrid display Patent	HOFFMAN, L. A.
[NASA-CASE-ERC-10100] C09 N71-33519	Compensating bandwidth switching transients in an amplifier circuit Patent
HILDEBRANDT, A. F. Helium refining by superfluidity Patent	[NASA-CASE-XNP-01107] C10 N71-28859
[NASA-CASE-XNP-00733] CO6 N70-34946	HOPPMAN, R. A.
Continuous magnetic flux pump	Telemetry processor [NASA-CASE-GSC-11388-1] c07 N73-24187
[NASA-CASE-XNP-01187] c15 N73-28516 Superconductive magnetic-field-trapping device	HOFFMAN, T. E.
[NASA-CASE-XNP-01185] C26 N73-28710	Cavity resonator for hydrogen maser
Magnetic-flux pump	[NASA-CASE-HQN-10790-1] c16 N72-25491
[NASA-CASE-XNP-01188] c15 N73-32361	HOKLO, K. H. Welding blades to rotors
Ultrasonic scanner for radial and flat panels	[NASA-CASE-LEW-10533-1] c15 N73-28515
' [NASA-CASE-MFS-20335-1] C14 N72-27421	HOLDEN, G. R. Balanced bellows spirometer
Burst diaphragm flow initiator Patent	[NASA-CASE-XAR-01547] c05 N69-21473
[NASA-CASE-MFS-12915] C11 N71-17600	HOLDERER, O. C.
Wind tunnel test section	Electric arc driven wind tunnel Patent [NASA-CASE-XMF-00411] c11 N7G-36913
[NASA-CASE-MFS-20509] c11 N72-17183 HILL, P. R.	HOLDREN, R. T., III
Kinesthetic control simulator Patent Application	Radar calibration sphere
[NASA-CASE-LAR-10276-1] c11 N70-26813	[NASA-CASE-XLA-11154] C07 N72-21117 HOLESKI, D. B.
Heat protection apparatus Patent [NASA-CASE-XLA-00892] c33 N71-17897	Apparatus for absorbing and measuring power Patent
HILLBERG, E. T.	[NASA-CASE-XLE-00720] C14 N70-40201
Load relieving device Patent [NASA-CASE-XMS-06329-1] c15 N71-20441	HOLKO, K. H. Diffusion welding in air
[NASA-CASE-XMS-06329+1] c15 N71-20441 HILLBORN, P. H.	[NASA-CASE-LEW-11387-1] c15 N72-25471
Color television systems using a single gun	Apparatus for welding blades to rotors
color cathode ray tube Patent [NASA-CASE-ERC-10098]	[NASA-CASE-LEW-10533-2] c15 N72-25479 Improved diffusion welding
[NASA-CASE-ERC-10098] C09 N/1-28618 HILLIS, D. A.	[NASA-CASE-LEW-11388+2] c15 N73-10500
Drift compensation circuit for analog to digital	Enhanced diffusion welding [NASA+CASE-LEW-11388-11] c15 N73-32358
converter Patent [NASA-CASE-YNP+04780] c08 N71-19687	[NASA-CASE-LEW-11388-1] c15 N73-32358 HOLLAHAN, J. R.
[NASA-CASE-XNP-04780] COS N/1-1968/ HILTON, G. R.	Water purification membranes and method of
Position location and data collection system and	preparation [NASA-CASE-ARC-10643-1] c06 N73-29074
method Patent [NASA-CASE-GSC-10083-1] c30 N71-16090	Protection of moisture sensitive optical
HIMMELRIGHT, R. M.	components
High-temperature, high-pressure spherical	[NASA-CASE-ARC-10749-1] C23 N73-32542 HOLLAND, V. B.
segment valve Patent [NASA-CASE-XAC-00074] c15 N70-34817	Signal conditioning circuit apparatus
HIRSHPIELD, S. M.	[NASA-CASE-ARC-10348-1] c10 N72-10205
Gas liquefication and dispensing apparatus Patent [NASA-CASE-NPO-10070] c15 N71-27372	HOLLANDER, J. Polyurethanes of fluorine containing
[NASA-CASE-NPO-10070] c15 N/1-2/3/2 Novel polymers and method of preparing same	polycarbonates
[NASA-CASE-NPO-10998-1] c06 N73-32029	[NASA-CASE-HFS-10512] c06 N73-30099
Automatic real-time pair feeding system for	Highly fluorinated polymers [NASA-CASE-MFS-11492] c06 N73-30102
animals	HOLLEMAN, E. C.
[NASA-CASE-ARC-10302-1] c04 N72-21052	Three axis controller Patent
HOBART, H. F.	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 HOLLENBAUGH, R. C.
, ,	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 HOLLENBAUGH, R. C. Position location system and method Patent
HOBART, H. P. Liquid flow sight assembly Patent [NASA-CASE-XLE-02998] c14 N70-42074 HOBBS, A. J.	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 HOLLENBAUGH, R. C. Position location system and method [NASA-CASE-GSC-10087-2] c21 N71-13958
HOBART, H. F. Liquid flow sight assembly Patent [NASA-CASE-XLE-02998] c14 N70-42074 HOBBS, A. J. Method and apparatus for determining the	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 HOLLENBAUGH, R. C. Position location system and method Patent
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HOBART, H. F. Liquid flow sight assembly Patent [NASA-CASE-XLE-02998] C14 N70-42074 HOBBS, A. J. Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] C14 N73-12444 HORIN L. R.	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 BOLLEMBAUGH, R. C. Position location system and method Patent [NASA-CASE-GSC-10087-2] c21 N71-13958 Position location and data collection system and method Patent [NASA-CASE-GSC-10083-1] c30 N71-16090 Traffic control system and method Patent
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HOBART, H. F. Liquid flow sight assembly Patent [NASA-CASE-XLE-02998]	Three axis controller Patent [NASA-CASE-XFR-00181] c21 N70-33279 HOLLENBAUGH, R. C. Position location system and method [NASA-CASE-GSC-10087-2] c21 N71-13958 Position location and data collection system and method Patent [NASA-CASE-GSC-10083-1] c30 N71-16090 Traffic control system and method [NASA-CASE-GSC-10087-1] c02 N71-19287 Position location system and method [NASA-CASE-GSC-10087-3] c07 N72-12080 Doppler compensation by shifting transmitted object frequency within limits [NASA-CASE-GSC-10087-4] c07 N73-20174
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[NASA-CASE-MFS-21233-1] Ultrasonic bone densitometer [NASA-CASE-MFS-20994-1] HOOPER, C. D. Extensometer Patent [NASA-CASE-MF-04680] HOOVER, R. B. Three mirror qlancing incidence system telescope [NASA-CASE-MFS-21372] Multiplate focusing collimator [NASA-CASE-MFS-20932-1] Collimator of multiple plates with ax aligned identical random arrays of [NASA-CASE-MFS-20546-2] Automatic lightning detection and phosystem [NASA-CASE-MFS-20546-2] HOOVER, R. J. Extrusion die for refractory metals [NASA-CASE-XLE-06773] HOPKIBS, P. M. Differential phase shift keyed commun system [NASA-CASE-XLE-066-1] Differential phase shift keyed signal [NASA-CASE-MSC-14066-1] HOPKINS, V. Inorqanic solid film lubricants Pate [NASA-CASE-XMF-03988] HOPPING, R. L. Landing qear Patent [NASA-CASE-XMF-01174] HORNE, W. B. Aircraft wheel spray drag alleviator [NASA-CASE-XLA-01583]	23 N/2-2562/ c05 N73-30090 c15 N71-19489 m for X-ray c14 N72-20397 c14 N73-27380 ially appertures c14 N73-30389 tographic c14 N73-32319 Patent c15 N71-23817 ication c07 N73-10215 resolver c10 N73-10269 ent c15 N71-21403 c02 N70-41589	Skeletal stressing method and appara [NASA-CASE-ARC-10100-1] Programmable physiological infusion [NASA-CASE-ARC-10447-1] HOWARTH, J. T. Flame retardant elastomeric composit [NASA-CASE-MSC-14331-1] HOWE, T. L. Strain qauge ambiguity sensor for se mirror active optical system [NASA-CASE-MSC-20506-1] HOWELL, J. R. Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01716] HOWELL, W. E. Pringe counter for interferometers [NASA-CASE-XLE-01716] Star image motion compensator [NASA-CASE-LAR-10204] Star image motion compensator [NASA-CASE-LAR-10523-1] HOWLAND, B. T. High pressure air valve Patent [NASA-CASE-MSC-11010] HOYT, R. F. An apparatus used in the calibration high vacuum system [NASA-CASE-LAR-10862-1] HRACH, P. J. Capacitor and method of making same [NASA-CASE-LEW-10364-1] HROW, R. L. Load current sensor for a series pulmodulated power supply [NASA-CASE-GSC-10656-1] HRUBY, R. J. Microwave flaw detector Patent	c05 N71-24738 c05 N73-14092 ions c18 N73-27501 gmented c14 N73-17563 c09 N70-40234 Patent c14 N71-27215 c14 N72-22444 c15 N71-19485 of ultra c14 N72-28460 Patent c09 N71-13522 Use width c09 N72-25249
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[NASA-CASE-MFS-21233-1] Ultrasonic bone densitometer [NASA-CASE-MPS-20994-1] HOOPER, C. D. Extensometer Patent [NASA-CASE-XMF-04680] HOOVER, R. B. Three mirror qlancing incidence system telescope [NASA-CASE-MFS-21372] Multiplate focusing collimator [NASA-CASE-MFS-20932-1] Collimator of multiple plates with ax aligned identical random arrays of [NASA-CASE-MFS-20546-2] Automatic lightning detection and phosystem [NASA-CASE-MFS-20546-2] HOOVER, R. J. Extrusion die for refractory metals [NASA-CASE-XLE-06773] HOPKIMS, P. M. Differential phase shift keyed commun system [NASA-CASE-XLE-066-1] Differential phase shift keyed signal [NASA-CASE-MSC-14066-1] HOPKIMS, V. Inorganic solid film lubricants Pate [NASA-CASE-XMF-03988] HOPPING, R. L. Landing qear Patent [NASA-CASE-XMF-01174] HORNE, W. B. Aircraft wheel spray drag alleviator [NASA-CASE-XLA-01583] HORNER, J. L. Photographic film restoration system	23 N N 2 - 2362 / 205 N 73 - 30090 c15 N 71 - 19489 m for X - ray c14 N 72 - 20397 c14 N 73 - 27380 ially apertures c14 N 73 - 30389 tographic c14 N 73 - 32319 Patent c15 N 71 - 23817 ication c07 N 73 - 10215 resolver c10 N 73 - 10269 ent c15 N 71 - 21403 c02 N 70 - 41589 Patent	Skeletal stressing method and appara [NASA-CASE-ARC-10100-1] Programmable physiological infusion [NASA-CASE-ARC-10447-1] HOWARTH, J. T. Flame retardant elastomeric composit [NASA-CASE-MSC-14331-1] HOWE, T. L. Strain qauge ambiguity sensor for se mirror active optical system [NASA-CASE-MSC-20506-1] HOWELL, J. R. Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01776] HOWELL, W. E. Pringe counter for interferometers [NASA-CASE-XLE-01776] Star image motion compensator [NASA-CASE-LAR-10204] Star image motion compensator [NASA-CASE-LAR-10523-1] HOWLAND, B. T. High pressure air valve Patent [NASA-CASE-MSC-11010] HOYT, R. F. An apparatus used in the calibration high vacuum system [NASA-CASE-LAR-10862-1] HRACH, P. J. Capacitor and method of making same [NASA-CASE-LEW-10364-1] HRON, R. L. Load current sensor for a series pul modulated power supply [NASA-CASE-LEW-10364-1] HRUBY, R. J. Microwave flaw detector Patent [NASA-CASE-ARC-10009-1] Transient video signal recording with playback Patent	c05 N71-24738 c05 N73-14092 ions c18 N73-27501 gmented c14 N73-17563 c09 N70-40234 Patent c14 N71-27215 c14 N72-22444 c15 N71-19485 of ultra c14 N72-28460 Patent c09 N71-13522 Lse width c09 N72-25249 c15 N71-17822 th expanded
[NASA-CASE-MFS-21233-1] Ultrasonic bone densitometer [NASA-CASE-MPS-20994-1] HOOPER, C. D. Extensometer Patent [NASA-CASE-XMF-04680] HOOVER, R. B. Three mirror qlancing incidence system telescope [NASA-CASE-MFS-21372] Multiplate focusing collimator [NASA-CASE-MFS-20932-1] Collimator of multiple plates with ax aliqued identical random arrays of [NASA-CASE-MFS-20946-2] Automatic liqhtning detection and pho system [NASA-CASE-KSC-10728-1] HOOVER, R. J. Extrusion die for refractory metals [NASA-CASE-XLE-06773] HOPKINS, P. M. Differential phase shift keyed commun system [NASA-CASE-MSC-14065-1] Differential phase shift keyed signal [NASA-CASE-MSC-14066-1] HOPKINS, V. Inorqanic solid film lubricants Pate [NASA-CASE-MF-03988] HOPPING, R. L. Landing qear Patent [NASA-CASE-XMF-01174] HORNER, W. B. Aircraft wheel spray drag alleviator [NASA-CASE-XLA-01583] HORNER, J. L. Photographic film restoration system [NASA-CASE-MSC-12448-1] HORDER, J. L.	23 N N 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Skeletal stressing method and appara [NASA-CASE-ARC-10100-1] Programmable physiological infusion [NASA-CASE-ARC-10447-1] HOWARTH, J. T. Flame retardant elastomeric composit [NASA-CASE-MSC-14331-1] HOWE, T. L. Strain qauge ambiguity sensor for se mirror active optical system [NASA-CASE-MSC-10431-1] HOWELL, J. R. Device for directionally controlling electromagnetic radiation Patent [NASA-CASE-XLE-01716] HOWELL, W. E. Fringe counter for interferometers [NASA-CASE-LAR-10204] Star image motion compensator [NASA-CASE-LAR-10523-1] HOWLAND, B. T. High pressure air valve Patent [NASA-CASE-MSC-11010] HOYT, R. F. An apparatus used in the calibration high vacuum system [NASA-CASE-LAR-10862-1] HRACE, F. J. Capacitor and method of making same [NASA-CASE-LEW-10364-1] HROW, R. L. Load current sensor for a series pul modulated power supply [NASA-CASE-GSC-10656-1] HRUBY, R. J. Microwave flaw detector Patent [NASA-CASE-ARC-10009-1] Transient video signal recording vid playback Patent [NASA-CASE-ARC-10003-1]	c05 N71-24738 c05 N73-14092 ions c18 N73-27501 igmented c14 N73-17563 c09 N70-40234 Patent c14 N71-27215 c14 N72-22444 c15 N71-19485 iof ultra c14 N72-28460 Patent c09 N71-13522 Lse width c09 N72-25249 c15 N71-17822 th expanded c09 N71-25866
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buried emitter [NASA-CASE-ARC-10330-1]	c09 N73-32112	[NASA-CASE-NPO-11088]	c08 N71-29034
HRYNIRWIRCKI, E.		Transition tracking bit synchroniz: [NASA-CASE-NPO-10844]	CO7 N72-20140
<pre>Vehicle for use in planetary explor [NASA-CASE-NPO-11366]</pre>	ation c11 N73-26238	Digital quasi-exponential function	generator
HSO, YY.		[NASA-CASE-NPO-11130] Code regenerative clean-up loop tra	c08 N72-20176
Slug flow magnetohydrodynamic gener [NASA-CASE-XLE-02083]	ator c03 N69-39983	a mu-type ranging system	ansponder for
HUBER, C. S.		[NASA-CASE-NPO-11707] HUSAIN-ABIDI, A. S.	c07 N73-25161
Modification of the physical proper freeze-dried rice	ties of	Optical data processing using paral	boloidal
[NASA-CASE-MSC-13540-1]	c05 N72-33096	mirror segments [NASA-CASE-GSC-11296-1]	00
HUBER, W. C.		HUSCHKE, E. G., JR.	c23 N73-30666
<pre>Hand-held self-maneuvering unit Pa [NASA-CASE-XMS-05304]</pre>	tent c05 N71-12336	Method of joining aluminum to stain	nless steel
Inflatable tether Patent	C03 M71-12330	Patent [NASA-CASE-MFS-07369]	c15 N71-20443
[NASA-CASE-XMS-10993] Poldable construction block	c15 N71-28936	BUSMARN, O. K.	013 1171 20443
[NASA-CASE-MSC-12233-1]	c15 N72-25454	Multilayer porous ionizer Patent [NASA-CASE-XNP-04338]	017 N71-120#6
Foldable construction block [NASA-CASE-MSC-12233-2]	-20 1172 42004	HUSSEY, M. W.	c17 N71-23046
HUDSON, O. K.	c32 N73-13921	Filter regeneration systems [NASA-CASE-MSC-14273-1]	.40
Gravimeter Patent		HUTCHBY, J. A.	
[NASA-CASE-XMF-05844] HUDSPETH, T.	c14 N71-17587	Graded bandgap Al(x)Ga(1-x)A s-GaAs	solar cell
Phase demodulation system with two	phase locked	[NASA-CASE-LAR-11174-1] HUTCHINSON, W. D.	c03 N73-26047
loops Patent [NASA-CASE-XNP-00777]	a10 N71 10N0	Manually actuated heat pump	
HUELSMAN, L. P.	c10 N71-19469	[NASA-CASE-NPO-10677] HUTCHISON, J. J.	c05 N72-11084
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[NASA-CASE-XAC-05462-2] Inductanceless filter amplifier	c10 N72-17171	(NASA-CASE-NPO-10714)	c06 N69-31244
FNASA-CASE-XAC-05462]	c09 N72-20209	polymers thereof Patent	aterials and
HUFF, R. G. Apparatus for sensing temperature	•	[NASA-CASE-NPO-10596]	c06 N71-25929
[NASA-CASE-XLE-05230]	c14 N72-27410	HUTTO, R. J. Radiation sensitive solid state swi	4 _1
Method of making apparatus for sens	ing temperature	[NASA-CASE-NPO-10817-1]	c08 N73-30135
Jet exhaust noise suppressor	c14 N73-13417	HYBAN, J., JR.	
[NASA-CASE-LEW-11286-1]	c02 N73-21066	<pre>Improved high-voltage isolator for feed lines</pre>	liquid metal
HUFFAKER, R. M. Laser Doppler system for measuring	hroo	[NASA-CASE-NPO-11075]	c09 N71-34208
dimensional vector velocity Pater	1+	HYMER, R. L.	
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[NASA-CASE-MFS-20386]	c21 N71-19212	Audio signal processor Patent [NASA-CASE-MSC-12223-1]	c07 N71-26181
[NASA-CASE-MFS-20386] Clear air turbulence detector [NASA-CASE-MFS-21244-1]		[NASA-CASE-MSC-12223-1]	c07 N71-26181
[NASA-CASE-MFS-20386] Clear air turbulence detector [NASA-CASE-MFS-21244-1] BUGGINS, C. T.	c21 N71-19212 c20 N73-21523	[NASA-CASE-MSC-12223-1]	c07 N71-26181
[NASA-CASE-MFS-20386] Clear air turbulence detector [NASA-CASE-MFS-21244-1] BUGGINS, C. T. Solid state television camera system [NASA-CASE-XMF-06092]	c21 N71-19212 c20 N73-21523 Patent	[NASA-CASE-MSC-12223-1] IABBINI, A.	c07 N71-26181
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[NASA-CASE-MFS-20386] Clear air turbulence detector [NASA-CASE-MFS-21244-1] HUGGINS, C. T. Solid state television camera system [NASA-CASE-XHF-06092] HUGHES, B. C. Air bearing Patent [NASA-CASE-XHF-00339] HUGHES, D. B. Fast scan control for deflection type [Spectrometers [NASA-CASE-LAR-10766-1] HUGHES, F. H. Meteoroid detector [NASA-CASE-LAR-10483-1]	c21 N71-19212 c20 N73-21523 Patent c07 N71-24612 c15 N70-39896 De mass c14 N72-21432 c14 N73-32327	[NASA-CASE-MSC-12223-1] IAHHINI, A. Semiconductor transducer device [NASA-CASE-ERC-10087-2] IANNINI, A. A. Pressure sensitive transducers Pate [NASA-CASE-ERC-10087] IDEN, B. B. Method for determining presence of magnesium oxide [NASA-CASE-NPO-10774] IGENBERGS, E. B. Self-energized plasma compressor [NASA-CASE-MFS-22145-1] IGOE, W. B.	c14 N72-31446 ent c14 N71-27334 OH in
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[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-IAR-10726-1] JAMES, H. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAMIESON, J. R., JR. Optical rotational sensor [NASA-CASE-KSC-10752-1] JAMISON, H. H. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063]	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat (NASA-CASE-XLA-00284] c15 N7: Method of coating carbonaceous base to prew oxidation destruction and coated base Pat (NASA-CASE-XLA-00302] c15 N7: JEX, D. W. Liquid aerosol dispenser [NASA-CASE-MFS-20829] c12 N7: JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-MSC-11253] c05 N7: Collapsible Apollo couch	ent cent 1-16075 ent cent 1-16077
[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-LAR-10726-1] JAMES, N. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAMIRSON, J. R., JR. Optical rotational sensor [NASA-CASE-KSC-10752-11] JAMISON, B. B. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063] JAMEFF, W. Tracking receiver Patent	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407 m electrode c03 N71-29044	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00284] c15 N7 Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00302] c15 N7 JEX, D. W. Liquid aerosol dispenser [NASA-CASE-MFS-20829] c12 N7 JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-MSC-11253] c05 N7 Collapsible Apollo couch [NASA-CASE-MSC-13140] c05 N7 JOHNS, C. E.	ent tent 1-16075 ent tent 1-16077 2-21310 1-12343 2-11085
[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-IAR-10726-1] JAMES, H. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAMIESON, J. R., JR. Optical rotational sensor [NASA-CASE-KSC-10752-1] JAMISON, H. H. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063] JAMEFF, W. Tracking receiver Patent [NASA-CASE-XGS-08679]	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00284] c15 N7: Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00302] c15 N7: JEX, D. W. Liquid aerosol dispenser [NASA-CASE-NFS-20829] c12 N7: JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-NSC-11253] c05 N7: Collapsible Apollo couch [NASA-CASE-NSC-13140] c05 N7: JOHNS, C. E. Continuously variable voltage controlled pha	ent tent 1-16075 ent tent 1-16077 2-21310 1-12343 2-11085
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[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-IAR-10726-1] JAMES, H. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAMIESON, J. R., JR. Optical rotational sensor [NASA-CASE-KSC-10752-1] JAMISON, H. H. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063] JAMEFF, W. Tracking receiver Patent [NASA-CASE-XGS-08679] JANNICHE, P. J., JR. Passive synchronized spike generated input impedance and low output in	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407 m electrode c03 N71-29044 c10 N71-21473	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00284] c15 N7: Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00302] c15 N7: JEX, D. W. Liquid aerosol dispenser [NASA-CASE-NFS-20829] c12 N7: JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-NSC-11253] c05 N7: Collapsible Apollo couch [NASA-CASE-NSC-13140] c05 N7: JOHNS, C. E. Continuously variable voltage controlled phashifter [NASA-CASE-NPO-11129] c09 N7: JOHNSON, A. L., JR.	ent ent 1-16075 ent ent 1-16077 2-21310 1-12343 2-11085 ase
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[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-LAR-10726-1] JAHES, N. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAHIRSON, J. R., JR. Optical rotational sensor [NASA-CASE-KSC-10752-1] JAHISON, H. H. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063] JANEFF, W. Tracking receiver Patent [NASA-CASE-XGS-08679] JANNICHE, P. J., JR. Passive synchronized spike generate input impedance and low output im capacitor power supply Patent [NASA-CASE-XGS-03632] JAVAN, A. Hethod and apparatus for stabilizin	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407 m electrode c03 N71-29044 c10 N71-21473 or with high mpedance and c09 N71-23311	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00284] c15 N7: Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat [NASA-CASE-XLA-00302] c15 N7: JEX, D. W. Liquid aerosol dispenser [NASA-CASE-MFS-20829] c12 N7: JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-MSC-11253] c05 N7: Collapsible Apollo couch [NASA-CASE-MSC-13140] c05 N7: JOHNS, C. B. Continuously variable voltage controlled pheshifter [NASA-CASE-NPO-11129] c09 N7: JOHNSON, A. L., JR. Microelectronic module package Patent [NASA-CASE-XMS-02182] c10 N7: JOHNSON, C. B. Hypersonic test facility Patent	ent
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[NASA-CASE-XIA-02810] Infrared horizon locator [NASA-CASE-LAR-10726-1] JAMES, N. J. Resilient wheel Patent [NASA-CASE-MFS-13929] JAMIESON, J. R. JR. Optical rotational sensor [NASA-CASE-KSC-10752-1] JAMISON, H. H. Ion-exchange membrane with platinum assembly Patent [NASA-CASE-XMS-02063] JAMEFF, W. Tracking receiver Patent [NASA-CASE-XGS-08679] JANNICHE, P. J., JR. Passive synchronized spike generate input impedance and low output impedance and low output in capacitor power supply Patent [NASA-CASE-XGS-03632] JAVAN, A. Method and apparatus for stabilizin optical maser Patent [NASA-CASE-XGS-03644] JECH, R. W. Reinforced metallic composites Patenforced metallic composites Patenforced Sensor-XES-02428]	c14 N71-25901 c14 N73-20475 c15 N71-27091 c15 N73-27407 melectrode c03 N71-29044 c10 N71-21473 or with high mpedance and c09 N71-23311 mq a qaseous c16 N71-18614 tent c17 N70-33288	Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat (NASA-CASE-XLA-00284] c15 N7 Hethod of coating carbonaceous base to prew oxidation destruction and coated base Pat (NASA-CASE-XLA-00302] c15 N7 JEI, D. W. Liquid aerosol dispenser [NASA-CASE-MFS-20829] c12 N7 JOHANSEN, D. L. Articulated multiple couch assembly Patent [NASA-CASE-MSC-11253] c05 N7 Collapsible Apollo couch [NASA-CASE-MSC-13140] c05 N7 JOHNS, C. E. Continuously variable voltage controlled phe shifter [NASA-CASE-NSC-13140] c09 N7 JOHNSON, A. L., JR. Microelectronic module package Patent [NASA-CASE-XMS-02182] c10 N7 JOHNSON, C. B. Hypersonic test facility Patent [NASA-CASE-XLA-00378] c11 N7 Hypersonic test facility Patent [NASA-CASE-XLA-05378] c11 N7 Image tube [NASA-CASE-CSC-11602-1] c09 N7 JOHNSON, C. C.	ent l-16075 ent l-16077 ent l-16077 ent l-16077 ent l-12343 ent l-12343 ent l-12343 ent l-12343 ent l-123783 ent l-15925 ent l
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[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperatur flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-05033]	c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 / lubrication c18 N71-10772 c15 N71-23810	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06503] JORDAN, A. W. Electric storage battery [NASA-CASE-NPO-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XNP-04966] JOSIAS, C. S. Micro current measuring device usin logarithmic response heated filam diodes Patent [NASA-CASE-XNP-06384] JOSLYN, A. W. Boiler for generating high quality [NASA-CASE-XLE-00785] JOYNER, U. T.	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104
[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperature flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent	ce laminar c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 lubrication c18 N71-10772 c15 N71-23810 r lubrication	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06563] JORDAN, A. W. Electric storage battery [NASA-CASE-NPO-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XNP-04966] JOSIAS, C. S. Micro current measuring device usin logarithmic response heated filam diodes Patent [NASA-CASE-XNP-00384] JOSIN, A. W. Boiler for generating high quality [NASA-CASE-XLE-00785] JOYNER, U. T. Nose gear steering system for vehic	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104
[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperature flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-0533] Metallic film diffusion for boundary patent [NASA-CASE-XLE-0533] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-10337] JOHNSON, V. E., JR.	c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 / lubrication c18 N71-10772 c15 N71-23810	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06503] JORDAN, A. W. Electric storage battery [NASA-CASE-NPO-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XNP-04966] JOSIAS, C. S. Micro current measuring device usin logarithmic response heated filam diodes Patent [NASA-CASE-XNP-06384] JOSLYN, A. W. Boiler for generating high quality [NASA-CASE-XLE-00785] JOYNER, U. T.	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104
[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperature flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-10337] JOHNSON, V. E., JR. Bydrofoil Patent	ce laminar c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 lubrication c18 N71-10772 c15 N71-23810 r lubrication c15 N71-24046	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06563] JORDAN, A. W. Electric storage battery [NASA-CASE-NPO-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XNP-04966] JOSIAS, C. S. Micro current measuring device usin logarithmic response heated filam diodes Patent [NASA-CASE-XNP-00384] JOSLYN, A. W. Boiler for generating high quality [NASA-CASE-XLE-00785] JOYNER, U. T. Nose gear steering system for vehicles skids Patent [NASA-CASE-XLA-01804] JUDD, B. W.	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104 le with main c02 N70-34160
[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperature flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-0533] Metallic film diffusion for boundary patent [NASA-CASE-XLE-0533] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-10337] JOHNSON, V. E., JR.	ce laminar c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 lubrication c18 N71-10772 c15 N71-23810 r lubrication	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06503] JORDAN, A. W. Electric storage battery [NASA-CASE-NP0-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XNP-04966] JOSIAS, C. S. Micro current measuring device usin logarithmic response heated filam diodes Patent [NASA-CASE-XNP-00384] JOSLIN, A. W. Boiler for generating high quality [NASA-CASE-XLE-00785] JOYNER, U. T. Nose gear steering system for vehicleskids Patent [NASA-CASE-XLA-01804] JUDD, B. W. Garments for controlling the temper.	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104 le with main c02 N70-34160
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[NASA-CASE-NPO-10679] JOHNSON, R. C. Enthalpy and stagnation temperature determination of a high temperature flow gas stream Patent flow gas stream Patent [NASA-CASE-XLE-00266] JOHNSON, R. E. Acquisition and tracking system for [NASA-CASE-MFS-20125] JOHNSON, R. L. Gas lubricant compositions Patent [NASA-CASE-XLE-00353] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-01765] Alloys for bearings Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-05033] Metallic film diffusion for boundary Patent [NASA-CASE-XLE-00337] JOHNSON, V. E., JR. Hydrofoil Patent [NASA-CASE-XLA-00229] JOHNSTON, A. R. Polarimeter for transient measurement [NASA-CASE-XNP-08883] Light direction sensor [NASA-CASE-NPO-11201] JOHNSTON, J. E. Electrostatic measurement system [NASA-CASE-MFS-22129-1] Electrostatic entrained material mea	ce laminar c14 N70-34156 optical radar c16 N72-13437 c18 N70-39897 rlubrication c18 N71-10772 c15 N71-23810 rlubrication c15 N71-24046 c12 N70-33305 at Patent c23 N71-16101 c14 N72-27409 c09 N73-26197	Folded traveling wave maser structu [NASA-CASE-XNP-05219] Superconducting magnet Patent [NASA-CASE-XNP-06503] JORDAN, A. W. Electric storage battery [NASA-CASE-NPO-11021] JORDON, W. J. Inspection gage for boss Patent [NASA-CASE-XMP-04966] JOSIAS, C. S. Micro current measuring device usin-logarithmic response heated filamediodes Patent [NASA-CASE-XNP-00384] JOSLYN, A. W. Boiler for generating high quality for NASA-CASE-XLE-00785] JOYNER, U. T. Nose gear steering system for vehicles wide Patent [NASA-CASE-XLA-01864] JUDD, B. W. Garments for controlling the temperation body Patent [NASA-CASE-XLA-010269] JUDD, J. H. Air frame drag balance Patent [NASA-CASE-XLA-00113] Spacecraft airlock Patent [NASA-CASE-XLA-02050] Light regulator [NASA-CASE-XLA-02050]	c16 N71-15550 c23 N71-29049 c03 N72-20032 c14 N71-17658 q plural entary type c09 N71-13530 vapor Patent c33 N71-16104 le with main c02 N70-34160 ature of the c05 N71-24147 c14 N70-33386
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Method for making a heat insulating structure [NASA-CASE-XMS-01108] NEWMAN, D. F. Test stand system for vacuum chamles [NASA-CASE-MFS-21362] NEWMAN, J. B. Catalyst bed removing tool Patentes [NASA-CASE-XFR-00811] NEWMAN, J. B. New polymers of perfluorobutadientes manufacture Patent application [NASA-CASE-NPO-10863] Polymers of perfluorobutadiene and manufacture [NASA-CASE-NPO-10863-2]	c15 N69-24322 pers c11 N73-20267 c15 N70-36901 e and method of c06 N70-11251	NORD, D. B. Method of joining aluminum to stail Patent [NASA-CASE-MFS-07369] NORDEN, B. N. Hybrid holographic system using retransmitted object beams simulta [NASA-CASE-MFS-20074] Holographic thin film analyzer [NASA-CASE-MFS-20823-1] NOREEN, S. J. Spherical shield Patent [NASA-CASE-XNP-01855] NORGREN, C. T.	c15 N71-20443 effected and eneously Patent c16 N71-15565 c16 N73-30476
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[NASA-CASE-XNP-00952] c10	1 K71-25271	[NASA-CASE-MFS-20619]	c28 N72-11708
Compact solar still Patent [NASA-CASE-XMS-04533] c15	N71-23086	SPADY, A. A., JR. Backpack carrier Patent	
SMITH, T. B., III	•	[NASA-CASE-LAR-10056]	c05 N71-12351
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SHITH, W. O.		SPAIN, I. L.	
Star tracking reticles process for the production thereof		Hall effect magnetometer [NASA-CASE-LEW-11632-1]	c14 N72-25440
[NASA-CASE-GSC-11188-3] c1 Star tracking reticles and process for t	N73-10460	Hall effect magnetometer [NASA-CASE-LEW-11632-2]	c14 N73-29437
production thereof		SPALVINS, T.	0.17 1.13 23401
[NASA-CASE-GSC-11188-2] c2' Star tracking reticles	N73-19630	Deposition of alloy films [NASA-CASE-LEW-11262-1]	c17 N71-34455
[NASA-CASE-GSC-11188-1] c1	N73-32320	SPEARMAN, H. L.	
SMITH, W. R. Production of high purity I-123		Translating horizontal tail Patent [NASA-CASE-XLA-08801-1]	c02 N71-11043
[NASA-CASE-LEW-10518-1] C2	N72-33681	SPEISER, R. C. Focussing system for an ion source h	· ·
SMITH, W. W. Trajectory-correction propulsion system	Patent	apertured electrodes Patent	laving
· · · · · · · · · · · · · · · · · · ·	8 N70-39931	[NASA-CASE-XNP-03332] SPENCER, B., JR.	c09 N71-10618
SMYLIE, R. E. Liquid-qas separator for zero gravity		Variable geometry manned orbital web	
environment Patent [NASA-CASE-XMS-01492] c0	5 N70-41297	[NASA-CASE-XLA-03691] SPENCER, D. J.	c31 N71-15674
SHYLY, H. H.		Data compression system with a minimum	um time
Differential pressure control [NASA-CASE-MFS-14216] c1	N73-13418	delay unit Patent [NASA-CASE-XNP-08832]	c08 N71-12506
SNEEDEN, R. J.		SPENCER, J. L.	
Gas turbine combustion apparatus Patent [NASA-CASE-XLE-103477-1] c2	: 3 N71-20330	Electronic strain-level counter [NASA-CASE-LAR-10756-1]	c32 N73-26910
SNODDY, L. G.		SPENCER, P. R. Radiation direction detector include	ing moons for
Insert facing tool [NASA-CASE-MFS-21485-1] c1	N72-31490	compensating for photocell aging	Patent
SNYDER, J. A. Injector for use in high voltage isolate	ors for	[NASA-CASE-XLA-00183] SPENCER, R. L.	c14 N70-40239
liquid feed lines		Thickness measuring and injection de	
[NASA-CASE-NPO-11377] c1: SHYDER, L. H.	5 N73-27406	[NASA-CASE-MFS-20261] Ultrasonic scanner for radial and fi	c14 N71-27005 lat panels
Particle detection apparatus including	1	[NASA-CASE-MFS-20335-1]	c14 N72-27421
ballistic pendulum Patent [NASA-CASE-XMS-04201] c1	N71-22990	SPIER, R. A. Portable milling tool Patent	
SODD, V. J.		[NASA-CASE-XHF-03511]	c15 N71-22799
Production of high purity I-123 [NASA-CASE-LEW-10518-1] c2	N72-33681	<pre>Vee notching device [NASA-CASE-MFS-20730]</pre>	c14 N72-11372
SOPPEN, G. A. Automated fluid chemical analyzer Pate	nt.	Restraint system for ergometer [NASA-CASE-MFS-21046-1]	c14 N73-27377
Butomates Trave onemical andiviter Pater	••	[2202 020 010 21040-1]	2 2.2 21311

Tilting table for ergometer and for other	STEIN, S.
biomedical devices	Injector-valve device Patent
[NASA-CASE-MFS-21010-1] c05 N73-30078	[NASA-CASE-XLE-00303] c15 N70-36535
SPIES, R. Observation window for a good confining about	Rocket engine injector Patent
Observation window for a gas confining chamber [NASA-CASE-NPO-10890] c11 N73-12265	[NASA-CASE-XLE-00111] c28 N70-38199
[NASA-CASE-NPO-10890] c11 N73-12265 SPITZER, C. R.	Rocket engine injector Patent
Evaporant holder	[NASA-CASE-XLE-03157] c28 N71-24736
[NASA-CASE-XLA-03105] c15 N69-27483	STRINBERG, R.
Exposure interlock for oscilloscope cameras	Solid state power mapping instrument Patent
[NASA-CASE-LAR-10319-1] c14 N73-32322	[NASA-CASE-XLE-00301] c14 N70-36808
SPITZIG, W. A.	Molecular beam velocity selector Patent
Method of making a diffusion bonded refractory	[NASA-CASE-XLE-01533] c11 N71-10777 STEINHETZ, C. P.
coating Patent	Energy limiter for hydroulic actuation and a
[NASA-CASE-XLE-01604-2] c15 N71-15610	Energy limiter for hydraulic actuators Patent [NASA-CASE-ARC-10131-1] c15 N71-27754
SPRINGETT, J. C.	NASA-CASE-ARC-10131-1] c15 N71-27754 STELBEN, J. J.
Phase-shift data transmission system having a	Recorder/processor apparatus
pseudo-noise SYNC code modulated with the data	[NASA-CASE-GSC-11553-1] c07 N73-31089
in a single channel Patent	STELL, R. R.
[NASA-CASE-XNP-00911] c08 N70-41961	An apparatus used in the calibration of ultra
Audio system with means for reducing noise effects	high vacuum system
[NASA-CASE-NPO-11631] c10 N73-12244	[NASA-CASE-LAR-10862-1] c14 N72-28460
SPRINGFIELD, C. L.	STELLA, A. J.
Planmability test chamber Patent	Electrical connector pin with wiping action
[NASA-CASE-KSC-10126] c11 N71-24985	[NASA-CASE-XMF-04238] c09 N69-39734
Autoignition test cell Patent	STELZRIED, C. T.
[NASA-CASE-KSC-10198] c11 N71-28629	Reflectometer for receiver input impedance match
SPROSS, P. R.	measurement Patent
Biological isolation garment Patent	[NASA-CASE-XNP-10843] c07 N71-11267
[NASA-CASE-MSC-12206-1] c05 N71-17599 SQUILLARI, W.	Multi-feed cone Cassegrain antenna Patent
	[NASA-CASE-NPO-10539] c07 N71-11285
System for stabilizing torque between a balloon and gondola	Matched thermistors for microwave power meters
[NASA-CASE-GSC-11077-1] c02 N73-13008	Patent
STAHLEY, S. D.	[NASA-CASE-NPO-10348] c10 N71-12554
Quick attach and release fluid coupling assembly	Broadband microwave wavequide window Patent
Patent	[NASA-CASE-XNP-08880] c09 N71-24808
[NASA-CASE-XKS-01985] c15 N71-10782	Rotary vane attenuator wherin rotor has
STAINBACK, J. D.	orthogonally disposed resistive and dielectric cards
Exposure interlock for oscilloscope cameras	F 114.64
[NASA-CASE-LAR-10319-1] c14 N73-32322	[NASA-CASE-NPO-11418-1] c14 N73-13420 STENGEL, R. F.
STALEY, H. W.	Wind velocity probing device and method Patent
Pulse amplitude and width detector Patent	[NASA-CASE-XLA-02081] c20 N71-16281
[NASA-CASE-XMF-06519] c09 N71-12519	STENLUND, S. J.
Pulse rise time and amplitude detector Patent	Rotating mandrel for assembly of inflatable
[NASA-CASE-XMF-08804] CO9 N71-24717	devices Patent
STALEY, R. W.	- Walter
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Exposure system for animals Patent [NASA-CASE-XAC-05333] c11 N71-22875 STALLCOP, J. R. Method and apparatus for determining properties of a plasma [NASA-CASE-ARC-10598-1] c25 N73-29750 STALOFF, C.	[NASA-CASE-XLA-04143] c15 N71-17687 Traveling sealer for contoured table [NASA-CASE-XLA-01494] c15 N71-24164 STEPHENS, D. G. Flexible ring slosh damping baffle [NASA-CASE-LAR-10317-1] c32 N71-16103 Instrument for measuring the dynamic behavior of liquids Patent
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Space vehicle attitude control Pate [NASA-CASE-XNP-00465]	nt c21 N70-35395	Differential temperature transducer [NASA-CASE-XAC-00812]	Patent c14 N71-15598
Remodulator filter Patent	C21 N/O 55555	WALKER, H. H.	C14 N71-15550
[NASA-CASE-NPO-10198]	c09 N71-24806	Space environmental work simulator	
VODICKA, V. W. Magnetic recording head and method o	f making	[NASA-CASE-XMF-07488] WALL, W. A., JR.	c11 N71-18773
same Patent		Apparatus for welding torch angle an	d seam
[NASA-CASE-GSC-10097-1] VOGELEY, A. W.	c08 N71-27210	tracking control Patent [NASA-CASE-XMF-03287]	c15 N71-15607
Cable arrangement for rigid tetherin		Automatic closed circuit television	
[NASA-CASE-XLA-02332] Combined optical attitude and altitu	c32 N7 1-17 609 de	control Patent [NASA-CASE-MFS-13046]	c07 N71-19433
indicating instrument Patent		Automatic welding speed controller	Patent
[NASA-CASE-XLA-01907] VOLKOFF, J. J.	c14 N71-23268	[NASA-CASE-XMF-01730] Welding skate with computerized cont	c15 N71-23050
Electro-optical scanning apparatus	Patent	[NASA-CASE-XMF-07069]	c15 N71-23815
Application [NASA-CASE-NPO-11106]	c14 N70-34697	Internal flare angle gauge Patent	c14 N71-24693
Electro-optical scanning apparatus	C14 N70~34097	[NASA-CASE-XMF-04415] WALLACE, E. D.	C14 M/1-24093
[NASA-CASE-NPO-11106-2]	c23 N72-28696	Apparatus for tensile testing Paten	
VOLPE, P. A. Sun tracker with rotatable plane-par	allel plate	[NASA-CASE-XKS-06250] Valve seat with resilient support me	c14 N71-15600 mber Patent
and two photocells Patent		[NASA-CASE-XKS-02582]	c15 N71-21234
[NASA-CASE-XGS-01159] Attitude control system Patent	c21 N71-10678	<pre>Weld preparation machine Patent [NASA-CASE-XKS-07953]</pre>	c15 N71-26134
[NASA-CASE-XGS-04393]	c21 N71-14159	WALLINGFORD, W. M.	
Star scanner [NASA-CASE-GSC-11569-1]	c14 N73-11404	Differential phase shift keyed commu system	nication
VON PRAGENAU, G. L.		[NASA-CASE-MSC-14065-1]	c07 N73-10215
Support apparatus for dynamic testin [NASA-CASE-XMF-C1772]	q Patent c11 N70-41677	Differential phase shift keyed signa [NASA-CASE-MSC-14066-1]	
Hydraulic support for dynamic testin		WALLIO, M. A.	c10 N73-10269
[NASA-CASE-XMF-03248]	c11 N71-10604	Electric-arc heater Patent	
VON TIESBNHAUSEN, G. F. Energy absorbing device Patent		[NASA-CASE-XLA-00330] WALSH, J. M.	c33 N70-34540
[NASA-CASE-XMF-10040]	c15 N71-22877	Specific wavelength colorimeter	4# 970 40**=
VORKINK, H. G. Variable frequency nuclear magnetic	resonance	[NASA-CASE-MSC-14081-1] WALSH, T. C.	c14 N73-18443
spectrometer Patent		Vibration damping system Patent	
[NASA-CASE-XNP-09830]	c14 N71-26266	[NASA-CASE-XMS-01620]	c23 N71-15673
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[NASA-CASE-XLA-01530]	c14 N71-23092	[NASA-CASE-XLE-00010]	c15 N70-33382

WALSE, T. N.	
Interferometric rotation sensor	c14 N73-25463
[NASA-CASE-ARC-10278-1]	C14 N73-23403
WALTERS, R. H.	
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WALTON, T. S. Electronic checkout system for space	vehicles
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[NASA-CASE-XKS-08012-2]	c31 N71-15566
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An asynchronous binary array divider	Patent
application	
[NA SA - CASE - ERC - 10 180]	c08 N70-11132
WANG, T. G.	
Material suspension within an acoust	1Cg11A
excited resonant chamber	c15 N73-31443
[NASA-CASE-NPO-13263-1]	C15 N/3-31443
WARD, D. R. Automatically deploying nozzle exit	cone
extension Patent	000
[NASA-CASE-XLE-01640]	c31 N71-15637
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[NASA-CASE-LAR-10367-1]	c03 N70-26817
WARD, J. F.	
Variable geometry rotor system	
[NASA-CASE-LAR-10557]	c02 N72-11018
WARD, W. D.	
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[NASA-CASE-XNP-04758]	c03 N71-24605
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Analytical photoionization mass spec	trometer
with an argon gas filter between t	
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[NASA-CASE-LAR-10180-1]	c06 N71-13461
WARREN, A. P.	
Assembly for recovering a capsule P	
[NASA-CASE-XMF-00641]	c31 N70-36410
Space capsule ejection assembly Pat [NASA-CASE-XMF-03169]	c31 N71-15675
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Method and apparatus for securing to spacecraft Patent [NASA-CASE-BFS-11133] WATERS, W. J. Nickel-base alloy Patent	c31 N71-16222
<pre>Method and apparatus for securing to spacecraft Patent [NASA-CASE-MFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283]</pre>	c31 N71-16222
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al	c31 N71-16222
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent	c31 N71-16222 c17 N70-36616 Cr-
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082]	c31 N71-16222
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] Hethod of forming superalloys	c31 N71-16222 c17 N70-36616 Cr-
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082]	c31 N71-16222 c17 N70-36616 c-Cr- c17 N71-16026 c15 N72-21485
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] Method of forming superalloys [NASA-CASE-LEW-10805-2] Nickel bas alloy [NASA-CASE-LEW-10874-1]	c31 N71-16222 c17 N70-36616 c-cr- c17 N71-16026 c15 N72-21485 c17 N72-22535
Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Ho-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] Hethod of forming superalloys [NASA-CASE-LEW-10805-2] Nickel bas alloy [NASA-CASE-LEW-10874-1] Hethod of heat treating a formed power of the space of th	c31 N71-16222 c17 N70-36616 c-cr- c17 N71-16026 c15 N72-21485 c17 N72-22535
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Method and apparatus for securing to spacecraft Patent [NASA-CASE-HFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] Method of forming superalloys [NASA-CASE-LEW-10805-2] Nickel bas alloy [NASA-CASE-LEW-10874-1] Method of heat treating a formed power of the second p	c31 N71-16222 c17 N70-36616 c17 N71-16026 c15 N72-21485 c17 N72-22535 rder product c17 N72-28542
Method and apparatus for securing to spacecraft Patent [NASA-CASE-MFS-11133] WATERS, W. J. Nickel-base alloy Patent [NASA-CASE-XLE-00283] Nickel-base alloy containing Mo-W-Al Ta-Zr-C-Nb-B Patent [NASA-CASE-XLE-02082] Method of forming superalloys [NASA-CASE-LEW-10805-2] Nickel bas alloy [NASA-CASE-LEW-10874-1] Method of heat treating a formed powerful [NASA-CASE-LEW-10805-3] Method of forming superalloys [NASA-CASE-LEW-10805-1]	c31 N71-16222 c17 N70-36616 c-Cr- c17 N71-16026 c15 N72-21485 c17 N72-22535 der product
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[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1]	c09 N73-23291	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz	c28 N71-27095
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal	c09 N73-23291 s c07 N73-27107	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz	c28 N71-27095
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA	c28 N71-27095 tle c28 N72-11708
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate	c28 N71-27095 :le c28 N72-11708
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL AEROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-XNP-02792]	c28 N71-27095 tle c28 N72-11708
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-IMP-02792] CALIFORNIA INST. OF TECH., PASADENA.	c28 N71-27095 tle c28 N72-11708 NHEIH. c14 N71-28958
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator	c28 N71-27095 tle c28 N72-11708 NHEIH. c14 N71-28958
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-IMP-02792] CALIFORNIA INST. OF TECH., PASADENA.	c28 N71-27095 tle c28 N72-11708 NHEIH. c14 N71-28958
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-XNP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Patenand Page 1 (1998) [NASA-CASE-NPO-11096]	c28 N71-27095 tle c28 N72-11708 tHEIH. c14 N71-28958 Patent c11 N70-25959 tent
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C.	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-XNP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-XNP-02982]	c28 N71-27095 tle c28 N72-11708 tHEIH. c14 N71-28958 Patent c11 N70-25959
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-XNP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-XNP-02982] CALIFORNIA UNIV., BERKELEY.	c28 N71-27095 tle c28 N72-11708 tHEIH. c14 N71-28958 Patent c11 N70-25959 ent c31 N70-41855
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NP0-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir	c28 N71-27095 c28 N72-11708 HHEIM. c14 N71-28958 Patent c11 N70-25959 cent c31 N70-41855
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1]	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-XNP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-XNP-02982] CALIFORNIA UNIV., BERKELEY.	c28 N71-27095 c28 N72-11708 HHEIM. c14 N71-28958 Patent c11 N70-25959 cent c31 N70-41855
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663	[NASA-CASE-XMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-XMP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-XMP-011096] Attitude control for spacecraft Pat [NASA-CASE-XMP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XMP-08907]	c28 N71-27095 c28 N72-11708 HHEIM. c14 N71-28958 Patent c11 N70-25959 cent c31 N70-41855
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NDC-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-IMP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-IMP-011096] Attitude control for spacecraft Pat [NASA-CASE-IMP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-IMP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES.	c28 N71-27095 tle c28 N72-11708 MHEIH. c14 N71-28958 Patent c11 N70-25959 tent c31 N70-41855 cror Patent c23 N71-29123
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTERS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, HICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-IMF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-IMF-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-IMF-08907] Infrared detectors [NASA-CASE-IMF-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source	c28 N71-27095 tle c28 N72-11708 HHEIH. c14 N71-28958 Patent c11 N70-25959 tent c31 N70-41855 Fror Patent c23 N71-29123 c14 N73-12445
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA.	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NP0-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-INP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3]	c28 N71-27095 tle c28 N72-11708 MHEIH. c14 N71-28958 Patent c11 N70-25959 tent c31 N70-41855 cror Patent c23 N71-29123
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NDC-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NPO-2982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source	c28 N71-27095 c28 N72-11708 ABETH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 cror Patent c23 N71-29123 c14 N73-12445 c25 N72-21693
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, HICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-XNP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NNP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-XNP-08907] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2]	c28 N71-27095 tle c28 N72-11708 HHEIH. c14 N71-28958 Patent c11 N70-25959 tent c31 N70-41855 Fror Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00927] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HON-10542-1] BENDIX CORP., ANN ARBOR, HICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NPO-2982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source	c28 N71-27095 c28 N72-11708 ABETH. ent c14 N71-28958 Patent c11 N70-25959 ent c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C.
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MSC-13587-1]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-IMF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-IMF-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-IMF-08907] Infrared detectors [NASA-CASE-IMF-08907] Infrared detectors [NASA-CASE-IMF-04167-2] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-IMF-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-SCS-11394-1]	C28 N71-27095 C28 N72-11708 C28 N72-11708 C14 N71-28958 Patent C11 N70-25959 Ent C31 N70-41855 C17 Patent C23 N71-29123 C14 N73-12445 C25 N72-24753 D.C.
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MSC-13587-1] BENDIX CORP., BUNTSVILLE, ALA.	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-GSC-11394-1] CHANCE VOUGET CORP., DALLAS, TEX.	c28 N71-27095 c28 N72-11708 HEELE. ent c14 N71-28958 Patent c31 N70-25959 ent c31 N70-41855 cror Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. erc c09 N73-32109
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HON-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFS-20400] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-LARP-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-GSC-11394-1] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge	c28 N71-27095 c28 N72-11708 ABELH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. c09 N73-32109 Patent
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTRMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, HICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MSC-13587-1] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242]	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-04167-2] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-SC-11394-1] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F	c28 N71-27095 c28 N72-11708 HEELE. ent c14 N71-28958 Patent c31 N70-25959 ent c31 N70-41855 cror Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. erc c09 N73-32109
[NASA-CASE-LAR-10623-1] BELL ARROSPACE CO., BUPFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARROSYSTEMS CO., BUPFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HON-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFS-20400] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NP-011096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-LARP-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-GSC-11394-1] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge	c28 N71-27095 c28 N72-11708 ABELH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. c09 N73-32109 Patent
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MSC-13587-1] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242] BENDIX CORP., KENNEDY SPACE CENTER, FLA COlor perception tester [NASA-CASE-KSC-10278]	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-04167-2] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-XNP-04167-2] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLE-00189] Spin forming tubular elbows Patent [NASA-CASE-XLE-01083] Single action separation mechanism	c28 N71-27095 c28 N72-11708 AHETH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 Fror Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 ac5 N72-24753 b.C. c09 N73-32109 Patent c33 N70-36846 c15 N71-22723 Patent
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTEMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HSC-13397-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-113587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFS-20400] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242] BENDIX CORP., KENNEDY SPACE CENTER, PLA Color perception tester [NASA-CASE-KSC-10278] BENDIX CORP., TETERBORO, N.J.	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NP-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NP-0-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-XNP-08907] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-SC-11394-1] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLA-00189] Spin forming tubular elbows Patent [NASA-CASE-XLA-0189] Single action separation mechanism [NASA-CASE-XLA-00188]	c28 N71-27095 c28 N72-11708 ABELH. ent c14 N71-28958 Patent c31 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. end c33 N70-36846 c15 N71-22723
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTERS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HON-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVBPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MSC-13587-1] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242] BENDIX CORP., KENNEDY SPACE CENTER, FLA COOLOR PERCEPTION THE CONTENT OF THE COOLOR OF T	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421 c05 N72-16015	[NASA-CASE-MF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-MFS-20792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NPO-12982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-NP-09907] Infrared detectors [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-04167-3] CONTINUOUS plasma light source [NASA-CASE-NP-04167-3] Continuous plasma light source [NASA-CASE-NP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-SC-11394-1] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLA-00189] Spin forming tubular elbows Patent [NASA-CASE-XLA-00188] CHRYSLER CORP., DETROIT, MICH.	c28 N71-27095 c28 N72-11708 ABETH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. c17 N73-32109 Patent c33 N70-36846 c15 N71-22723 Patent c15 N71-22874
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTRMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFS-20400] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242] BENDIX CORP., KENNEDY SPACE CENTER, FLA Color perception tester [NASA-CASE-MFS-10278] BENDIX CORP., TETERBORO, N.J. Evacuation valve [NASA-CASE-LAR-10061-1]	c09 N73-23291 s c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-XNP-04167-2] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLA-C0189] Spin forming tubular elbows Patent [NASA-CASE-XLA-C0188] CHRYSLER CORP., DETROIT, MICH. Ceramic insulation for radiant heati	c28 N71-27095 c28 N72-11708 AHETH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 D.C. c15 N72-24753 D.C. c16 N73-32109 Catent c33 N70-36846 c15 N71-22723 Patent c15 N71-22874 Ling
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[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTRMS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHINGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HQN-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-HSC-11277] BENDIX CORP., DAVENPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFS-20400] BENDIX CORP., HUNTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFS-20242] BENDIX CORP., KENNEDY SPACE CENTER, FLA Color perception tester [NASA-CASE-MFS-10278] BENDIX CORP., TETERBORO, N.J. Evacuation valve [NASA-CASE-LAR-10061-1]	c09 N73-23291 S c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421 c05 N72-16015 c15 N72-31483	[NASA-CASE-IMF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature regulation circuit Pate [NASA-CASE-NF-02792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NP-02982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-NP-08907] Infrared detectors [NASA-CASE-LAR-10728-1] CALIFORNIA UNIV., LOS ANGELES. Continuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OF AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-XNP-04167-2] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLA-C0189] Spin forming tubular elbows Patent [NASA-CASE-XLA-C0188] CHRYSLER CORP., DETROIT, MICH. Ceramic insulation for radiant heati	c28 N71-27095 c28 N72-11708 AHETH. c14 N71-28958 Patent c11 N70-25959 c31 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 D.C. c15 N72-24753 D.C. c16 N73-32109 Catent c33 N70-36846 c15 N71-22723 Patent c15 N71-22874 Ling
[NASA-CASE-LAR-10623-1] BELL ARBOSPACE CO., BUFFALO, N.Y. Correlation type phase detector [NASA-CASE-GSC-11744-1] Modulator for tone and binary signal [NASA-CASE-GSC-11743-1] BELL ARBOSYSTERS CO., BUFFALO, N.Y. Lunar landing flight research vehicl [NASA-CASE-XFR-00929] Flexibly connected support and skin [NASA-CASE-XLA-01027] Injection head for delivering liquid oxidizers [NASA-CASE-NPO-10046] Flight control system [NASA-CASE-MSC-13397-1] BELLCOMM, INC., WASHLWGTON, D.C. Physical correction filter for impro optical quality of an image [NASA-CASE-HON-10542-1] BENDIX CORP., ANN ARBOR, MICH. Circuit breaker utilizing magnetic l relays Patent [NASA-CASE-MSC-11277] BENDIX CORP., DAVBPORT, IOWA. Dual stage check valve [NASA-CASE-MSC-13587-1] BENDIX CORP., DETROIT, MICH. Deformable vehicle wheel Patent [NASA-CASE-MFSC-13587-1] BENDIX CORP., BUTSVILLE, ALA. Multi axes vibration fixtures [NASA-CASE-MFSC-2040] BENDIX CORP., KENNEDY SPACE CENTER, PLA COLOR PERCEPTION TESTER OR ON J. EVACUATION VALVE [NASA-CASE-KSC-10278] BENDIX CORP., TETERBORO, N.J. EVACUATION VALVE [NASA-CASE-KSC-10278] BENDIX CORP., TETERBORO, N.J. EVACUATION VALVE [NASA-CASE-LAR-10061-1] BOEING CO., COCOA BEACH, PLA. POSITIVE CONTACT CESTSTANCE SOLDERIN	c09 N73-23291 c07 N73-27107 e Patent c31 N70-34966 Patent c31 N71-24035 fuel and c28 N72-17843 c21 N72-25595 ving the c23 N72-21663 atching c09 N71-29008 c15 N73-30459 c31 N71-18611 c14 N73-19421 c05 N72-16015 c15 N72-31483 q unit c15 N72-23497	[NASA-CASE-MF-04042] Thruster maintenance system Patent [NASA-CASE-MFS-20325] Inflatable transpiration cooled nozz [NASA-CASE-MFS-20619] C CALIFORNIA COMPUTER PRODUCTS, INC., ANA Temperature requiation circuit Pate [NASA-CASE-MFS-20792] CALIFORNIA INST. OF TECH., PASADENA. Optical system for space simulator Application [NASA-CASE-NPO-11096] Attitude control for spacecraft Pat [NASA-CASE-NPO-2982] CALIFORNIA UNIV., BERKELEY. Adjustable mount for a trihedral mir [NASA-CASE-XNP-09907] Infrared detectors [NASA-CASE-XNP-08907] Infrared detectors [NASA-CASE-XNP-04167-3] COntinuous plasma light source [NASA-CASE-XNP-04167-3] Continuous plasma light source [NASA-CASE-XNP-04167-2] CATHOLIC UNIV. OP AMERICA, WASHINGTON, Electromagnetic wave energy converte [NASA-CASE-XNP-04167-2] CHANCE VOUGHT CORP., DALLAS, TEX. Coupling for linear shaped charge F [NASA-CASE-XLA-00189] Spin forming tubular elbows Patent [NASA-CASE-XH-01083] Single action separation mechanism [NASA-CASE-XLA-00188] CHRYSLER CORP., DETROIT, MICH. Ceramic insulation for radiant heati environments and method of prepari	c28 N71-27095 c28 N72-11708 HEELE. c14 N71-28958 Patent c11 N70-25959 c11 N70-41855 For Patent c23 N71-29123 c14 N73-12445 c25 N72-21693 c25 N72-24753 D.C. c15 N71-22723 Patent c33 N70-36846 c15 N71-22723 Patent c15 N71-22723 Patent c15 N71-22874 inq inq the same c33 N71-24858

	c33 N71-29051	BLECTRIC STORAGE BATTERY CO., YARDLEY,	PA.
CHRYSLER CORP., HUNTSVILLE, ALA.	_	Electrode and method of making same	Patent
Apparatus for ejection of an instrume [NASA-CASE-XMF-04132]		Application	
COLLINS RADIO CO., CEDAR RAPIDS, IOWA.	c15 N69-27502	[NASA-CASE-NPO-11157]	c15 N70-22275
Power responsive overload sensing cir	cuit Patent	BLECTRO-OPTICAL SYSTEMS, INC., PASADEN Focussing system for an ion source	A, CALIF.
	C10 N71-33129	apertured electrodes Patent	naving
COLLINS RADIO CO., DALLAS, TEX.		[NASA-CASE-XNP-03332]	c09 N71-10618
Signal path series step biased multid	evice high	Electrolytically regenerative hydrogenerative	gen-oxygen
efficiency amplifier Patent	07	fuel cell Patent	,, ,
[NASA-CASE-GSC-10668-1] Heat conductive resiliently compressi	C07 N71-28430	[NASA-CASE-XLE-04526]	c03 N71-11052
structure for space electronics pac		Method of producing refractory bodie	es having
modules Patent	nage	controlled porosity Patent [NASA-CASE-LEW-10393-1]	-47 1174 451.60
f 111 mm	c33 N71-29052	Soil particles separator, collector	c17 N71-15468
Infinite range electronics qain contr	ol circuit	Patent	and Aleast
[NASA-CASE-GSC-10786-1]	c10 N72-28241	[NASA-CASE-XNP-09770]	c15 N71-20440
COMPREHENSIVE DESIGNERS, INC., SHERMAN O	AKS, CALIP.	Particle detection apparatus includi	ing a
Vehicle for use in planetary explorat [NASA-CASE-NPO-11366]		ballistic pendulum Patent	
COMPUTER CONTROL CO., INC., PRANINGHAM,	c11 N73-26238	[NASA-CASE-XHS-04201]	c14 N71-22990
Test fixture for pellet-like electric	al elements	Polarity sensitive circuit Patent	40
	c09 N69-21926	[NASA-CASE-XNP-00952] Ion engine casing construction and m	c10 N71-23271
Support structure for irradiated elem	ents Patent	making same Patent	lechod of
[NASA-CASE-XNP-06031]	c15 N71-15606	[NASA-CASE-XNP-06942]	c28 N71-23293
Counter Patent		daterial handling device Patent	
[NASA-CASE-XNP-06234] CONDUCTRON CORP., ANN ARBOR, MICH.	c10 N71-27137	[NASA-CASE-XNP-09770-3]	c11 N71-27036
Method of fabricating an object with	a thin wall	Screen particle separator	
having a precisely shaped slit	a thin wall	[NASA-CASE-XNP-09770-2]	c15 N72-22483
[NASA-CASE-LAR-10409-1]	c15 N73-20526	Drying apparatus for photographic sh	GE, HASS.
CONRAC CORP., PASADENA, CALIF.		[NASA-CASE-GSC-11074-1]	c14 N73-28489
Penetrating radiation system for deter	cting the	ESB, INC., YARDLEY, PA.	011 270 20405
amount of liquid in a tank Patent [NASA-CASE-MSC-12280]	-27 274 46240	Electric storage battery	
CORNELL UNIV., ITHACA, N.Y.	c27 N71-16348	[NASA-CASE-NPO-11021]	c03 N72-20032
Flux sensing device using a tubular co	ore with	Improved storage battery	02 470 00444
toroidal gating coil and solenoidal		[NASA-CASE-NPO-10720-1] EWEN KNIGHT CORP., BAST NATICK, MASS.	c03 N72-22048
coil wound thereon Patent	-	Method and means for providing an ab	solute nover
[NASA-CASE-XGS-01881]	c09 N70-40123	measurement capability Patent	DOILUG PORCI
CRANE CO., BURBANK, CALIF. Hydraulic transformer Patent		[NASA-CASE-ERC-11020]	c14 N71-26774
	c15 N71-30028	F	
CURTISS-WRIGHT CORP., WOOD-RIDGE, N. J.	213 N71-30020	Г	
Gas turbine combustion apparatus Pate	ent	PAIRCHILD HILLER CORP. GERMANTOWN ND.	
	ent 228 N71-20330	PAIRCHILD HILLER CORP., GERMANTOWN, MD. Two axis fluxqate magnetometer Pate	nt
[NASA-CASE-XLE-103477-1]		Two axis fluxqate magnetometer Pate [NASA-CASE-GSC-10441-1]	c14 N71-27325
		Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative prope	c14 N71-27325
[NASA-CASE-XLE-103477-1] D		Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative propersystem and method Patent	c14 N71-27325 rty testing
[NASA-CASE-XLE-103477-1]		Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative prope system and method Patent [NASA-CASE-MFS-20096]	c14 N71-27325 rty testing c14 N71-30026
[NASA-CASE-XLE-103477-1] D DENVER UNIV., COLO. Metal shearing energy absorber [NASA-CASE-HQN-10638-1]		Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative propersystem and method Patent	c14 N71-27325 rty testing c14 N71-30026
[NASA-CASE-XLE-103477-1] D DENVER UNIV., COLO. Metal shearing energy absorber [NASA-CASE-HQH-10638-1] DORNE AND MARGOLIN, INC., BOHEMIA, N.Y.	=28 N71-20330 =15 N73-30460	Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative proper system and method Patent [NASA-CASE-MFS-20096] Thermal control system for a spacecribousing [NASA-CASE-GSC-11618-11]	c14 N71-27325 rty testing c14 N71-30026 aft modular c31 N73-30829
[NASA-CASE-XLE-103477-1] D DENVER UNIV., COLO. Metal shearing energy absorber [NASA-CASE-HQH-10638-1] DOBNE AND MARGOLIN, INC., BOHEMIA, N.Y. Nose cone mounted heat resistant anter	=28 N71-20330 =15 N73-30460	Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative prope system and method Patent [NASA-CASE-MFS-20096] Thermal control system for a spacecr. housing [NASA-CASE-GSC-11018-1] FEDERAL-MOGUL CORP., LOS ALAMITOS, CALI	c14 N71-27325 rty testing c14 N71-30026 aft modular c31 N73-30829
[NASA-CASE-XLE-103477-1] DENVER UNIV., COLO. Metal shearing energy absorber [NASA-CASE-HQH-10638-1] DORNE AND MARGOLIN, INC., BOHEMIA, N.Y. Nose cone mounted heat resistant anter [NASA-CASE-XMS-04312]	c28 N71-20330 c15 N73-30460 nna Patent c07 N71-22984	Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative prope system and method Patent [NASA-CASE-HFS-20096] Thermal control system for a spacecrhousing [NASA-CASE-GSC-11618-1] FEDERAL-BOGUL CORP., LOS ALAMITOS, CALIBY Hydraulic casting of liquid polymers	c14 N71-27325 rty testing c14 N71-30026 aft modular c31 N73-30829 F. Patent
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[NASA-CASE-XLE-103477-1] DENVER UNIV., COLO. Metal shearing energy absorber [NASA-CASE-HQH-10638-1] DOBNE AND MARGOLIN, INC., BOHEMIA, N.Y. Nose cone mounted heat resistant anter [NASA-CASE-XMS-04312] DOUGLAS ATRCRAFT CO., INC., SANTA HONICA, Recoverable single stage spacecraft be [NASA-CASE-XMF-C1973] Switching circuit employing regeneratic connected complementary transistors [NASA-CASE-XMF-0254] Split nut separation system Patent [NASA-CASE-XMP-06914] Artificial gravity spin deployment system [NASA-CASE-XMP-02595]	228 N71-20330 215 N73-30460 21a Patent 207 N71-22984 20 CALIF. 231 N70-41588 21 N70-41588 21 N70-42032 215 N71-21489 231 N71-21489 231 N71-21881	Two axis fluxgate magnetometer Pate [NASA-CASE-GSC-10441-1] Space simulation and radiative proper system and method Patent [NASA-CASE-MFS-20096] Thermal control system for a spacecritoring [NASA-CASE-GSC-11618-1] FEDERAL-MOGUL CORP., LOS ALMHITOS, CALII Hydraulic casting of liquid polymers [NASA-CASE-XNP-07659] FMC CORP., NEW YORK. Decomposition unit Patent [NASA-CASE-XMS-00583] FORD MOTOR CO., DEARBORN, MICH. Omnidirectional acceleration device	c14 N71-27325 rty testing c14 N71-30026 aft modular c31 N73-30829 F. Patent c06 N71-22975 c28 N70-38504 Patent
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[NASA-CASE-XNP-03930] c14 N69-24331	[NASA-CASE-GSC-11531-1] c05 N73-11097
Method and apparatus for attaching physiological	Bacteria detection instrument and method [NASA-CASE-GSC-11533-1] c14 N73-13435
monitoring electrodes Patent [NASA-CASE-XFR-07658-1] c05 N71-26293	GLOBE-UNION, INC., MILWAUKEE, WIS.
Catalyst cartridge for carbon dioxide reduction	Method of coating solar cell with borosilicate
unit [NASA-CASE-LAR-10551-1]	qlass and resultant product [NASA-CASE-GSC-11514-1] c03 N72-24037
Driving lamps by induction	GOODYEAR AEROSPACE CORP., AKRON, OHIO.
[NASA-CASE-MFS-21214-1] c09 N73-30181	Foldable solar concentrator Patent
GENERAL DYNAMICS/ASTRONAUTICS, SAN DIEGO, CALIF. Determination of spot weld quality Patent	[NASA-CASE-XLA-64622] c03 N70-41580 Method of making a filament-wound container Patent
[NASA-CASE-XNP-C2588] C15 N71-18613	[NASA-CASE-XLE-03803-2] c15 N71-17651
Pressure transducer calibrator Patent	Filament wound container Patent (NASA-CASE-XLE-03803) c15 N71-23816
[NASA-CASE-XNP-01660] c14 N71-23036 Plating nickel on aluminum castings Patent	[NASA-CASE-XLE-03803] c15 N71-23816 Panelized high performance multilayer insulation
[NASA-CASE-XNP-04148] c17 N71-24830	Patent
GENERAL DYNAMICS/CONVAIR, SAN DIEGO, CALIF.	[NASA-CASE-MFS-14023] c33 N71-25351 Thermally activated foaming compositions Patent
Signal generator [NASA-CASE-XNP-05612] c09 N69-21468	[NASA-CASE-LAR-10373-1] c18 N71-26155
Separation nut Patent	Compression test assembly
[NASA-CASE-XGS-01971] c15 N71-15922	[NASA-CASE-LAR-10440-1] c14 N73-32323 GRACE (W. R.) AND CO., CLARKSVILLE, MD.
Zero gravity separator Patent [NASA-CASE-XLE-00586] c15 N71-15968	Metal containing polymers from cyclic tetrameric
GENERAL ELECTRIC CO., PHILADELPHIA, PA.	phenylphosphonitrilamides Patent
Catalyst for growth of boron carbide single	[NASA-CASE-HQN-10364] CO6 N71-27363 GRUMMAN AIRCRAFT ENGINEERING CORP., BETHPAGE, N.Y.
crystal whiskers [NASA-CASE-XHQ-03903]	Sealed cabinetry Patent
Didymium hydrate additive to nickel hydroxide	[NASA-CASE-MSC-12168-1]
electrodes Patent [NASA-CASE-XGS-03505] c03 N71-10608	Out of tolerance warning alarm system for plurality of monitored circuits Patent
Bismuth-lead coatings for gas bearings used in	(NASA-CASE-XMS-10984-1] c10 N71-19417
atmospheric environments and vacuum chambers	GULP GENERAL ATOMIC, SAN DIEGO, CALIF.
Patent [NASA-CASE-XGS-02011] c15 N71-20739	Tungsten seal coat Patent [NASA-CASE-XNP-03704] c15 N71-17695
Multiparameter vision tester apparatus	Waveform simulator Patent
[NASA-CASE-MSC-13601-1] c05 N72-11088	[NASA-CASE-NPO-10251] c10 N71-27365
Automatic control of liquid cooling garment by cutaneous and external auditory meatus	GULTON INDUSTRIES, INC., ALBUQUERQUE, N.MEX. Analog-to-digital converter
temperatures	[NASA-CASE-MSC-13110-1] c08 N72-22163
[NASA-CASE-MSC-13917-1]	H
Method for measuring cutaneous sensory perception [NASA-CASE-MSC-13609-1] c05 N72-25122	11
Conducting flow electrophoresis in the	HAMILTON STANDARD, WINDSOR LOCKS, CONN.
	Venting device for pressurized space suit beiner
substantial absence of gravity	Venting device for pressurized space suit helmet
[NASA-CASE-MFS-21394-1] c12 N72-27310	Patent (NASA-CASE-XMS-09652-1] c05 N71-26333
[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange
[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425 Reaction tester	Patent [NASA-CASE-XHS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823
[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425 Reaction tester [NASA-CASE-MSC-13604-1] c05 N73-13114 Air conditioned suit	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent
[NASA-CASE-MFS-21394-1]	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845
[NASA-CASE-MFS-21394-1]	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent
[NASA-CASE-MFS-21394-1]	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845- Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486
[NASA-CASE-MFS-21394-1]	Patent [NASA-CASE-XHS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRHINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XHF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XHF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA.
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[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425 Reaction tester [NASA-CASE-MSC-13604-1] c05 N73-13114 Air conditioned suit [NASA-CASE-LAR-10076-1] c05 N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] c14 N73-23525 Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] c14 N73-30392 GENERAL ELECTRIC CO., PLEBSANTON, CALIF. Bethod of making a cermet Patent [NASA-CASE-LEW-10219-1] c18 N71-28729	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628
[NASA-CASE-MFS-21394-1] C12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] C14 N72-27425 Reaction tester [NASA-CASE-MSC-13604-1] C05 N73-13114 Air conditioned suit [NASA-CASE-MSC-13604-1] C05 N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] C14 N73-23525 Compton scatter attenuation gamma ray spectrometer [NASA-CASE-MFS-21441-1] C14 N73-30392 GENERAL ELECTRIC CO., PLEASANTON, CALIF. Nethod of making a cermet Patent [NASA-CASE-LEW-10219-1] C18 N71-26729 GENERAL ELECTRIC CO., SCHENECTADY, N.Y.	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425 Reaction tester [NASA-CASE-MSC-13604-1] c05 N73-13114 Air conditioned suit [NASA-CASE-LAR-10076-1] c05 N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] c14 N73-23525 Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] c14 N73-30392 GENERAL ELECTRIC CO., PLEBSANTON, CALIF. Bethod of making a cermet Patent [NASA-CASE-LEW-10219-1] c18 N71-28729	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance
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[NASA-CASE-MFS-21394-1] c12 N72-27310 Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] c14 N72-27425 Reaction tester [NASA-CASE-MSC-13604-1] c05 N73-13114 Air conditioned suit [NASA-CASE-LAR-10076-1] c05 N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] c14 N73-23525 Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] c14 N73-30392 GENERAL ELECTRIC CO., PLERSANTON, CALIF. Method of making a cermet Patent [NASA-CASE-LEW-10219-1] c18 N71-28729 GENERAL ELECTRIC CO., SCHENEGTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MFS-01099] c14 N71-15969 GENERAL HOTORS CORP., DETROIT, HICH. Hermetic sealed vibration damper Patent [NASA-CASE-MSC-10959] c15 N71-26243 GENERAL HOTORS CORP., MILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-XMS-02383] c15 N71-15918 GENERAL HOTORS CORP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PRECISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device Patent	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., FALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-KGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-KGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05532] c15 N72-21465 HOFFMAN ELECTRONICS CORP., EL HONTE, CALIF. Method for producing a solar cell having an
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-LAR-10076-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-NFO-13160-1] CH N73-30392 GENERAL ELECTRIC CO., PLEASANTON, CALIF. Method of making a cermet Patent [NASA-CASE-LEW-10219-1] CHBERAL ELECTRIC CO., SCHENECTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MF-01099] GENERAL HOTORS CORP., DETROIT, HICH. Hermetic sealed vibration damper Patent [NASA-CASE-MSC-10959] GENERAL HOTORS CORP., MILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-MSC-02383] GENERAL MOTORS CORP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PRECISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device [NASA-CASE-RC-10031] GENERAL PRECISION, INC., LITTLE FALLS, N.J. Reversible current control apparatus Patent [NASA-CASE-XLA-09371] C10 N71-18724	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-10340] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., PALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-KGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-KGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-GSC-10218-1] c15 N72-21465 HOFFMAN ELECTRONICS CORP., EL MONTE, CALIF. Method for producing a solar cell having an integral protective covering
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-MSC-13604-1] CO5 N73-13114 Air conditioned suit [NASA-CASE-MSC-13604-1] CO5 N73-20137 An inverter ratio failure detector [NASA-CASE-NP0-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] COMPTON SCATT AND COMPTON CALIF. Nethod of making a cermet Patent [NASA-CASE-LEW-10219-1] CHENERAL ELECTRIC CO., SCHENECTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MFF-01099] GENERAL MOTORS CORP., DETROIT, HICH. Hermetic sealed vibration damper Patent [NASA-CASE-MSC-10959] GENERAL HOTORS CORP., HILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-MSC-02383] GENERAL HOTORS CORP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PERCISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device [NASA-CASE-ERC-100311] GENERAL PERCISION, INC., LITTLE FALLS, N.J. Reversible current control apparatus [NASA-CASE-XLA-09371] GENERAL PERCISION, INC., LITTLE FALLS, Patent [NASA-CASE-XLA-09371] GENERAL PERCISION, INC., SUNNYVALE, CALIF.	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., PALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-MGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-XGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-CSC-10218-1] c15 N72-21465 HOFFMAN ELECTRONICS CORP., EL MONTE, CALIF. Method for producing a solar cell having an integral protective covering [NASA-CASE-XGS-04531] c03 N69-24267
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-LAR-10076-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-NFO-13160-1] CH N73-30392 GENERAL ELECTRIC CO., PLEASANTON, CALIF. Method of making a cermet Patent [NASA-CASE-LEW-10219-1] CHBERAL ELECTRIC CO., SCHENECTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MF-01099] GENERAL HOTORS CORP., DETROIT, HICH. Hermetic sealed vibration damper Patent [NASA-CASE-MSC-10959] GENERAL HOTORS CORP., MILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-MSC-02383] GENERAL MOTORS CORP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PRECISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device [NASA-CASE-RC-10031] GENERAL PRECISION, INC., LITTLE FALLS, N.J. Reversible current control apparatus Patent [NASA-CASE-XLA-09371] C10 N71-18724	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-10340] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., PALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-KGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-KGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-GSC-10218-1] c15 N72-21465 HOFFMAN ELECTRONICS CORP., EL MONTE, CALIF. Method for producing a solar cell having an integral protective covering
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[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-LAR-10076-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] GENERAL ELECTRIC CO., PLEBSANTON, CALIF. Method of making a cermet Patent [NASA-CASE-LEW-10 219-1] GENERAL ELECTRIC CO., SCHENECTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MFG-01099] GENERAL HICTORS COMP., DETROIT, MICH. Hermetic sealed vibration damper Patent [NASA-CASE-MSC-10959] GENERAL HOTORS COMP., MILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-MSC-10959] GENERAL HOTORS COMP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PRECISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device Patent [NASA-CASE-ERC-10031] GENERAL PRECISION, INC., LITTLE PALLS, N.J. Reversible current control apparatus Patent [NASA-CASE-XIA-09371] GENERAL PRECISION, INC., SUNNYVALE, CALIF. Broadband video process with very high input impedance [NASA-CASE-NPO-10199] GEOPHYSICS CORP. OF AMERICA, BEDFORD, MASS. Inflation system for balloon type satellites Patent [NASA-CASE-NGS-03351]	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryogenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., FALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-KGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-KGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05531] c15 N72-21465 HOPFMAN ELECTRONICS CORP., EL HONTE, CALIF. Method for producing a solar cell having an integral protective covering [NASA-CASE-KGS-04531] c03 N69-24267 HONEYWELL, INC., HOPKINS, MINN. Frequency control network for a current feedback oscillator Patent [NASA-CASE-GSC-10041-1] c10 N71-19418 HOWEIWELL, INC., LEXINGTON, MASS. Optical instruments [NASA-CASE-BSC-14096-1] c14 N73-22388
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MFS-13604-1] Air conditioned suit [NASA-CASE-LAR-10076-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation gamma ray spectrometer [NASA-CASE-NFS-21441-1] Compton scatter attenuation gamma ray spectrometer [NASA-CASE-MFS-21441-1] Compton scatter attenuation gamma ray spectrometer [NASA-CASE-MFS-21021] Compton scatter attenuation gamma ray spectrometer [NASA-CASE-MFS-1099] Compton scatter attenuation gamma ray spectrometer [NASA-CASE-MFS-13929] Compton scatter attenuation gamma ray spectrometer [Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryoqenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., PALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-MFS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-XGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05532] c15 N72-21465 HOFFMAN ELECTRONICS CORP., EL MONTE, CALIF. Method for producing a solar cell having an integral protective covering [NASA-CASE-XGS-04531] c03 N69-24267 HONEYWELL, INC., HOPKINS, HINN. Frequency control network for a current feedback oscillator Patent [NASA-CASE-GSC-10041-1] c10 N71-19418 HOHEYWELL, INC., LEXINGTON, MASS. Optical instruments
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MFS-13604-1] Air conditioned suit [NASA-CASE-LAR-10076-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Cob N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] Cob N73-20137 An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] Cob N73-20137 Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] Cob N73-20137 Cob N71-26243 Cob N71-26243	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryoqenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-12827] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., FALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-KGS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-KGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-KGS-05531] c15 N72-21465 HOPFMAN ELECTRONICS CORP., EL HONTE, CALIF. Method for producing a solar cell having an integral protective covering [NASA-CASE-KGS-04531] c03 N69-24267 HONEYWELL, INC., HOPKINS, MINN. Frequency control network for a current feedback oscillator Patent [NASA-CASE-KGS-010041-1] c10 N71-19418 HOBEYWELL, INC., LEXINGTON, MASS. Optical instruments [NASA-CASE-HSC-14096-1] c14 N73-22388 HONEYWELL, INC., MINNRAPOLIS, MINN. Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-MFS-21394-1] Electrophoretic sample insertion [NASA-CASE-MFS-21395-1] Reaction tester [NASA-CASE-MFS-13604-1] Air conditioned suit [NASA-CASE-MSC-13604-1] Air conditioned suit [NASA-CASE-MSC-13604-1] An inverter ratio failure detector [NASA-CASE-NPO-13160-1] Compton scatter attenuation qamma ray spectrometer [NASA-CASE-MFS-21441-1] GENERAL BLECTRIC CO., PLEASANTON, CALIF. Nethod of making a cermet Patent [NASA-CASE-LEW-10219-1] GENERAL BLECTRIC CO., SCHENECTADY, N.Y. Superconductive accelerometer Patent [NASA-CASE-MFF-01099] GENERAL MOTORS CORP., DETROIT, MICH. Hermetic sealed vibration damper Patent [NASA-CASE-MFS-02383] GENERAL MOTORS CORP., HILWAUKEE, WIS. Adjustable tension wire quide Patent [NASA-CASE-MFS-02383] GENERAL MOTORS CORP., SANTA BARBARA, CALIF. Resilient wheel Patent [NASA-CASE-MFS-13929] GENERAL PRECISION SYSTEMS, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device Patent [NASA-CASE-MFS-13929] GENERAL PRECISION, INC., LITTLE FALLS, N.J. Fluidic-thermochromic display device Patent [NASA-CASE-MFS-13929] GENERAL PRECISION, INC., LITTLE FALLS, N.J. Reversible current control apparatus Patent [NASA-CASE-NPO-10199] GENERAL PRECISION, INC., LITTLE FALLS, N.J. Reversible current control apparatus Patent [NASA-CASE-NPO-10199] GENERAL PRECISION, INC., SUNNYVALE, CALIF. Broadband video process with very high input impedance [NASA-CASE-NPO-10199] GEOPHYSICS CORP. OF AMERICA, BEDFORD, MASS. Inflation system for balloon type satellites Patent [NASA-CASE-XGS-03351] GEOPHYSICS CORP. OF AMERICA, BOSTON, MASS. Ionospheric battery Patent	Patent [NASA-CASE-XMS-09652-1] c05 N71-26333 Condensate removal device for heat exchange [NASA-CASE-MSC-14143-1] c33 N73-32823 HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA. Space craft soft landing system Patent [NASA-CASE-XMF-02108] c31 N70-36845 Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c15 N71-19486 HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. Method and apparatus for cryoqenic wire stripping Patent [NASA-CASE-MFS-10340] c15 N71-17628 Self-balancing strain gage transducer Patent [NASA-CASE-MFS-10340] c14 N71-17656 Automatic closed circuit television arc quidance control Patent [NASA-CASE-MFS-13046] c07 N71-19433 HAZLETON LABS., PALLS CHURCH, VA. Use of the enzyme hexokinase for the reduction of inherent light levels [NASA-CASE-MFS-05533] c04 N69-27487 Light detection instrument Patent [NASA-CASE-XGS-05534] c23 N71-16355 Lyophilized reaction mixtures Patent [NASA-CASE-KGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-XGS-05532] c06 N71-17705 Firefly pump-metering system [NASA-CASE-XGS-05531] c15 N72-21465 HOPFMAN ELECTRONICS CORP., EL MONTE, CALIF. Method for producing a solar cell having an integral protective covering [NASA-CASE-XGS-04531] c03 N69-24267 HONEYWELL, INC., HOPKINS, HINN. Frequency control network for a current feedback oscillator Patent [NASA-CASE-SGS-10041-1] c10 N71-19418 HOHEYWELL, INC., LEXINGTON, MASS. Optical instruments [NASA-CASE-MSC-14096-1] c14 N73-22388 HONEYWELL, INN., HINNEAPOLIS, HINN. Bus voltage compensation circuit for controlling

Apparatus for overcurrent protection of a	Thermal switch Patent
push-pull amplifier Patent	[NASA-CASE-XNP-00463] c33 N70-36847
[NASA-CASE-MSC-12033-1] c09 N71-13531	Double optic system for ion engine Patent
Static inverter Patent	[NASA-CASE-XNP-02839] C28 N70-41922
[NASA-CASE-XGS-05289] c09 N71-19470	Sample collecting impact bit Patent
High impedance measuring apparatus Patent	[NASA-CASE-XNP-01412] C15 N70-42034
[NASA-CASE-XMS-08589-1] C09 N71-20569	Bootstrap unloader Patent
Clamping assembly for inertial components Patent	[NASA-CASE-XNP-09768] CO9 N71-12516
[NASA-CASE-XMS-02184] c15 N71-20813	Difference circuit Patent
Piezoelectric pump Patent	[NASA-CASE-XNP-08274] c10 N71-13537
[NASA-CASE-XNP-05429] c26 N71-21824	Gas regulator Patent
Controllers Patent	[NASA-CASE-NPO-10298] c12 N71-17661
[NASA-CASE-XMS-07487] c15 N71-23255	A dc-coupled noninverting one-shot Patent
Convoluting device for forming convolutions and	[NASA-CASE-XNP-09450] c10 N71-18723
the like Patent	Phase demodulation system with two phase locked
[NASA-CASE-XNP-05297] c15 N71-23811	loops Patent
Failure sensing and protection circuit for	[NASA-CASE-XNP-00777] c10 N71-19469
converter networks Patent	High voltage transistor circuit Patent
[NASA-CASE-GSC-10114-1] c10 N71-27366	[NASA-CASE-XNP-06937] c09 N71-19516
Voice operated controller Patent	Drift compensation circuit for analog to digital
[NASA-CASE-XLA-04063] c31 N71-33160 Load current sensor for a series pulse width	converter Patent
modulated power supply	[NASA-CASE-XNP-04780] c08 N71-19687
	System for monitoring the presence of neutrals
[NASA-CASE-GSC-10656-1] c09 N72-25249 Radiant source tracker independent of	in a stream of ions Patent
nonconstant irradiance	[NASA-CASE-XNP-02592] c24 N71-20518
[NASA-CASE-NPG-11686] c14 N73-25462	Broadband frequency discriminator Patent
BUGHES AIRCRAFT CO., CANOGA PARK, CALIF.	[NASA-CASE-NPO-10096] c07 N71-24583
Refractory porcelain enamel passive thermal	Flexible, repairable, pottable material for
control coating for high temperature alloys	electrical connectors Patent
[NASA-CASE-MFS-22324-1] c18 N73-21471	[NASA-CASE-XGS-05180] c18 N71-25881
HUGHES AIRCRAPT CO., CULVER CITY, CALIF.	Phase multiplying electronic scanning system
Varactor high level mixer	Patent . [NASA-CASE-NPO-10302] c10 N71-26142
[NASA-CASE-XGS-02171] c09 N69-24324	NASA-CASE-NPO-10302] c10 N71-26142
Thermally operated valve Patent	
[NASA-CASE-XLE-00815] c15 N70-35407	[NASA-CASE-XMS-06740-1] c07 N71-26579 Solar panel fabrication Patent
Thrust dynamometer Patent	
[NASA-CASE-XLE-007C2] c14 N70-40203	NASA-CASE-XNP-03413] c03 N71-26726 Method for removing oxygen impurities from
Solid state chemical source for ammonia beam	cesium Patent
maser Patent	[NASA-CASE-XNP-04262-2] c17 N71-26773
[NASA-CASE-XGS-01504] c16 N70-41578	Improved high-voltage isolator for liquid metal
Canopus detector including automotive gain	feed lines
control of photomultiplier tube Patent	[NASA-CASE-NPO-11075] c09 N71-34208
[NASA-CASE-XNP-C3914] c21 N71-10771	Virtual wall slot circularly polarized planar
Horn feed having overlapping apertures Patent	array antenna
[NASA-CASE-GSC-10452] c07 N71-12396	[NASA-CASE-NPO-10301] c07 N72-11148
Deflective rod switch with elastic support and	Conical reflector antenna
sealing means Patent	[NASA-CASE-NPO-10303] c07 N72-22127
[NASA-CASE-XNP-09808] c09 N71-12518	Injector for use in high voltage isolators for
Guidance and maneuver analyzer Patent	liquid feed lines
[NASA-CASE-XNP-09572] c14 N71-15621	[NASA-CASE-NPO-11377] c15 N73-27406
Method of making screen by casting Patent	Thiophenyl ether disiloxanes and trisiloxanes
[NASA-CASE-XLE-00953] c15 N71-15966	useful as lubricant fluids
Pluid flow control value Patent	[NASA-CASE-MFS-22411-1] c15 N73-28532
[NASA-CASE-XLE-00703] c15 N71-15967	HUGHES RESEARCH LABS., MALIBU, CALIF.
Low noise single aperture multimode monopulse	Thrust dynamometer Patent
antenna feed system Patent	[NASA-CASE-XLE-05260] c14 N71-20429
[NASA-CASE-XNP-01735] c07 N71-22750	•
Multilayer porous ionizer Patent	
[NASA-CASE-XNP-04338] c17 N71-23046	
Construction and method of arranging a plurality	IIT RESEARCH INST., CHICAGO, ILL.
of ion engines to form a cluster Patent [NASA-CASE-XNP-02923]	Spectral method for monitoring atmospheric
NASA-CASE-XNP-02923] c28 N71-23081 Method for fiberizing ceramic materials Patent	contamination of inert-gas welding shields
[NASA-CASE-XNP-00597] c18 N71-23088	Patent
Inorganic thermal control pigment Patent	[NASA-CASE-XMF-02039] c15 N71-15871
[NASA-CASE-XNP-02139] c18 N71-24184	Lightweight refractory insulation and method of
Triaxial antenna Patent	preparing the same Patent
[NASA-CASE-XGS-02290] c07 N71-28809	[NASA-CASE-XMF-05279] c18 N71-16124
Variable frequency oscillator with temperature	Stabilized zinc oxide coating compositions Patent
compensation Patent	[NASA-CASE-XMF-07770-2] c18 N71-26772
[NASA-CASE-XNP-03916] C09 N71-28810	Synthesis of zinc titanate pigment and coatings containing the same
High efficiency ionizer assembly Patent	£ 113.03
[NASA-CASE-XNP-01954]	[NASA-CASE-MFS-13532] c18 N72-17532 Junction range finder
Apparatus for changing the orientation and	£ 34 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
velocity of a spinning body traversing a path	I NASA-CASE-KSC-10108] C14 N73-25461 INCA ENGINEERING CORP., SAN GABRIEL, CALIF.
Patent	An apparatus for establishing flow of fluid mass
F. 11 C. 1	
[NASA-CASE-HQN-00936] c31 N71-29050	having a known veloci+w
NASA-CASE-HQN-00936 c31 N71-29050 Pabrication of controlled-porosity metals Patent	having a known velocity
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137	having a known velocity [NASA-CASE-MPS-21424-1] c12 N73-16248
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX.
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring the angular position of a rotating mirror	having a known velocity [NASA-CASE-MPS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode [NASA-CASE-MSC-90153-2] c05 N72-25120
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1] c23 N72-27736	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1] c23 N72-27736 HUGHES AIRCRAFT CO., LOS ANGELES, CALIF.	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode [NASA-CASE-MSC-90153-2] c05 N72-25120 INSTITUTE OF RESEARCH AND INSTRUMENTATION, HOUSTON, TEX.
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1] c23 N72-27736 HUGHES AIRCRAFT CO., LOS ANGELES, CALIF. Power control circuit	having a known velocity [NASA-CASE-MFS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode [NASA-CASE-MSC-90153-2] c05 N72-25120 INSTITUTE OF RESEARCH AND INSTRUMENTATION, HOUSTON,
Fabrication of controlled-porosity metals Patent [NASA-CASE-XNP-04339] c17 N71-29137 Ion thruster [NASA-CASE-LEW-10770-1] c28 N72-22770 Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1] c23 N72-27736 HUGHES AIRCRAFT CO., LOS ANGELES, CALIF.	having a known velocity [NASA-CASE-MPS-21424-1] c12 N73-16248 INSTITUTE FOR RESEARCH, HOUSTON, TEX. Method of making a perspiration resistant biopotential electrode [NASA-CASE-MSC-90153-2] c05 N72-25120 INSTITUTE OF RESEARCH AND INSTRUMENTATION, HOUSTON, TEX. Pressed disc type sensing electrodes with ion-

INTERNATIONAL BUSINESS MACHINES CORP., NEW YORK.	Thermionic tantalum emitter doped with oxygen
Electrical connector pin with wiping action	Patent Application
[NASA-CASE-XMF-04238] c09 N69-39734	[NASA-CASE-NPO-11138] CO3 N70-34646
Tool attachment for spreading loose elements	Data handling system based on source
away from work Patent	significance, storage availability and data
[NASA-CASE-XMP-02107] c15 N71-10809	received from the source Patent Application
Redundant memory organization Patent	[NASA-CASE-XNP-04162-1] c08 N70-34675
[NASA-CASE-GSC-10564] c10 N71-29135	Flexible material having a controlled resiliency
INTERNATIONAL HARVESTER CO., SAN DIEGO, CALIF.	and a process for providing such material
Silicide coatings for refractory metals Patent	Patent Application
[NASA-CASE-XLE-16910] c18 N71-29040 INTERNATIONAL LATEX CORP., DOVER, DEL.	[NASA-CASE-NPO-10853] c18 N70-34685
Space suit	Electro-optical scanning apparatus Patent Application
[NASA-CASE-MSC-12609-1] c05 N73-32012	[NASA-CASE-NPO-11106] c14 N70-34697
ITT CORP., NUTLEY, N.J.	Liquid junction and method of fabricating the
Time division radio relay synchronizing system	same Patent Application
using different sync code words for in sync	[NASA-CASE-NPO-10682] c15 N70-34699
and out of sync conditions Patent	Helium refining by superfluidity Patent
[NASA-CASE-GSC-10373-1] c07 N71-19773	[NASA-CASE-XNP-00733] c06 N70-34946
Tracking receiver Patent	means and methods of depositing thin films on
[NASA-CASE-XGS-08679] c10 N71-21473	substrates Patent
Satellite interlace synchronization system	[NASA-CASE-XNP-00595] c15 N70-34967
[NASA-CASE-GSC-10390-1] c07 N72-11149	Photosensitive device to detect bearing
Í	deviation Patent
J	[NASA-CASE-XNP-00438] c21 N70-35089
JET PROPULSION LAB., CALIP. INST. OF TECH., PASADENA.	Antenna beam-shaping apparatus Patent
Pressure variable capacitor	[NASA-CASE-XNP-00611] c09 N70-35219 Temperature-compensating means for cavity
[NASA-CASE-XNP-09752] c14 N69-21541	resonator of amplifier Patent
Rock drill for recovering samples	[NASA-CASE-XNP-00449] c14 N70-35220
[NASA-CASE-XNP-07478] c14 N69-21923	Parabolic reflector horn feed with spillover
Data compression system	correction Patent
[NASA-CASE-XNP-09785] CO8 N69-21928	[NASA-CASE-XNP-00540] c09 N70-35382
Magnetohydrodynamic induction machine	Means for visually indicating flight paths of
[NASA-CASE-XNP-07481] c25 N69-21929	vehicles between the Earth, Venus, and Mercury
Electromechanical actuator	Patent
[NASA-CASE-XNP-05975] c15 N69-23185	[NASA-CASE-XNP-007C8] c14 N70-35394
Refrigeration apparatus	Space vehicle attitude control Patent
[NASA-CASE-NPO-10309] c15 N69-23190	[NASA-CASE-XNP-00465] c21 N70-35395
Direct radiation cooling of the collector of	Binary to binary-coded-decimal converter Patent
linear beam tubes	[NASA-CASE-XNP-00432] c08 N70-35423
[NASA-CASE-XNP-09227] c15 N69-24319	Cassegrainian antenna subflector flange for
Excitation and detection circuitry for a flux	suppressing ground noise Patent
responsive magnetic head [NASA-CASE-XNP-04183] c09 N69-24329	[NASA-CASE-XNP-00683]
Telemetry word forming unit	Constant current source Patent Application [NASA-CASE-NPO-10733] c09 N70-35631
[NASA-CASE-XNP-09225] c09 N69-24333	[NASA-CASE-NPO-10733] c09 N70-35631 Ionization vacuum gauge Patent
Solid state switch	[NASA-CASE-INP-00646] c14 N70-35666
[NASA-CASE-XNP-09228] c09 N69-27500	Two-fluid magnetohydrodynamic system and method
Belleville spring assembly with elastic quides	for thermal-electric power conversion Patent
[NASA-CASE-XNP-09452] c15 N69-27504	[NASA-CASE-XNP-00644]
Trifunctional alcohol	Mechanical coordinate converter Patent
[NASA-CASE-NPO-10714] c06 N69-31244	[NASA-CASE-XNP-00614] c14 N70-36907
New sterilizable propellant oxidizer in	High pressure four-way valve Patent
dipropellant composition	[NASA-CASE-XNP-06214] c15 N70-36908
[NASA-CASE-NPO-10687] c27 N69-33347	Liquid rocket system Patent
Plurality of photosensitive cells on a	[NASA-CASE-XNP-00610] c28 N70-36910
pyramidical base for planetary trackers [NASA-CASE-XNP-04180] c07 N69-39736	Radar ranging receiver Patent
[NASA-CASE-XNP-04180] c07 N69-39736 Coating process	[NASA-CASE-XNP-00748] c07 N70-36911
[NASA-CASE-XNP-06508] c18 N69-39895	Attitude control for spacecraft Patent [NASA-CASE-XNP-00294] c21 N70-36938
Bimetallic power controlled actuator	Elastic universal joint Patent
[NASA-CASE-XNP-09776] c09 N69-39929	[NASA-CASE-XNP-00416] c15 N70-36947
Piping arrangement through a double chamber	Apparatus and method for control of a solid
structure	fueled rocket vehicle Patent
[NASA-CASE-XNP-08882] c15 N69-39935	[NASA-CASE-XNP-00217] c28 N70-38181
Micropacked column for a chromatographic system	Expulsion bladder-equipped storage tank
[NASA-CASE-XNP-04816] c06 N69-39936	structure Patent
Temperature sensitive capacitor device	[NASA-CASE-XNP-00612] c11 N70-38182
[NASA-CASE-XNP-09750] c14 N69-39937	High-voltage cable Patent
Thin-film gauge Patent Application [NASA-CASE-NPO-10617] c14 N70-12618	[NASA-CASE-XNP-00738] c09 N70-38201
[NASA-CASE-NPO-10617] c14 N70-12618 Image copier Patent Application	Umbilical separator for rockets Patent
[NASA-CASE-NPO-10196-2] c14 N70-20711	[NASA-CASE-XNP-00425] c11 N70-38202 Multiple Belleville spring assembly Patent
Pulsed power transistor circuit with stored	[NASA-CASE-XNP-00840] c15 N70-38225
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[NASA-CASE-NPO-10674] c10 N7C-22132	devices Patent
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Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] c15 N76-22275 Cathode sputtering apparatus Patent Application	[NASA-CASE-XNP-00249] c28 N70-38249 Pressure regulating system Patent
Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] c15 N7G-22275 Cathode sputtering apparatus Patent Application [NASA-CASE-NPO-11009] c15 N7G-22292	[NASA-CASE-XNP-00249] c28 N70-38249 Pressure regulating system Patent [NASA-CASE-XNP-00450] c15 N70-38603 Slit regulated gas journal bearing [NASA-CASE-XNP-00476] Patent c15 N70-38620
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Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] c15 N7G-22275 Cathode sputtering apparatus Patent Application [NASA-CASE-NPO-11009] c15 N7G-22292 Optical system for space simulator Patent Application	[NASA-CASE-XNP-00249]
Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] c15 N7G-22275 Cathode sputtering apparatus Patent Application [NASA-CASE-NPO-11009] c15 N7G-22292 Optical system for space simulator Patent Application [NASA-CASE-NPO-11096] c11 N7O-25959	[NASA-CASE-XNP-00249] c28 N70-38249 Pressure regulating system Patent [NASA-CASE-XNP-00450] c15 N70-38603 Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476] c15 N70-38620 Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234] c28 N70-38645 Space simulator Patent
Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] Cathode sputtering apparatus Patent Application [NASA-CASE-NPO-11009] Optical system for space simulator Patent Application [NASA-CASE-NPO-11096] Bethod of treating metallic surfaces Patent	[NASA-CASE-XNP-00249] c28 N70-38249 Pressure regulating system Patent [NASA-CASE-XNP-00450] c15 N70-38603 Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476] c15 N70-38620 Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234] c28 N70-38645 Space simulator Patent [NASA-CASE-XNP-00459] c11 N70-38675
Electrode and method of making same Patent Application [NASA-CASE-NPO-11157] c15 N7G-22275 Cathode sputtering apparatus Patent Application [NASA-CASE-NPO-11009] c15 N7G-22292 Optical system for space simulator Patent Application [NASA-CASE-NPO-11096] c11 N7O-25959	[NASA-CASE-XNP-00249] c28 N70-38249 Pressure regulating system Patent [NASA-CASE-XNP-00450] c15 N70-38603 Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476] c15 N70-38620 Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234] c28 N70-38645 Space simulator Patent

Time-division multiplexer Patent [NASA-CASE-XNP-00431]	c09 N70-38998
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propellant motors Patent [NASA-CASE-XNP-01390]	c28 N70-41275
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[NASA-CASE-XNP-01567]	c15 N7Q-41310
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[NASA-CASE-XNP-01962] High pressure filter Patent	c32 N70-41370
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[NASA-CASE-XNP-01307] Process for preparing sterile solid	c21 N70-41856
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[NASA-CASE-XNP-01749] Solenoid construction Patent	c27 N70-41897
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[NASA-CASE-XNP-05082] Phase-shift data transmission syste	c15 N70-41960 m having a
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[REDE-CEDE-VEL-02 150 1	C10 N/0-41991
	ion analyzer
Single or joint amplitude distribut Patent	
Single or joint amplitude distribut Patent [NASA-CASE-XNP-01383]	c09 N71-10659
Single or joint amplitude distribut Patent [NASA-CASE-XNP-01383] Dual wavequide mode source having c for adjusting the relative amplit	c09 N71-10659
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Single or joint amplitude distribut Patent [NASA-CASE-XNP-01383] Dual wavequide mode source having c for adjusting the relative amplit modes Patent [NASA-CASE-XNP-03134] Method for determining the state of batteries by the use of tracers [NASA-CASE-XNP-01464] High pressure regulator valve Pater [NASA-CASE-XNP-00710] Solar battery with interconnecting of plural cells Patent [NASA-CASE-XNP-0506] Sealed battery qas manifold construct (NASA-CASE-XNP-05378] Solar cell submodule Patent [NASA-CASE-XNP-05821] Reflectometer for receiver input implementation of the patent [NASA-CASE-XNP-10843] Means for generating a sync signal: communication system Patent [NASA-CASE-XNP-10843] Multi-feed cone Casseqrain antenna [NASA-CASE-XNP-10539] Thermionic diode switch Patent	c09 N71-10659 ontrol means ude of two c07 N71-10676 charge of Patent c03 N71-10728 nt c15 N71-10778 means for c03 N71-11050 ction Patent c03 N71-11051 c03 N71-11056 pedance match c07 N71-11287 in an FM c07 N71-11281 Patent c07 N71-11285
Single or joint amplitude distribut Patent [NASA-CASE-XNP-01383] Dual wavequide mode source having c for adjusting the relative amplit modes Patent [NASA-CASE-XNP-03134] Method for determining the state of batteries by the use of tracers [NASA-CASE-XNP-01464] High pressure requiator valve Pater [NASA-CASE-XNP-00710] Solar battery with interconnecting of plural cells Patent [NASA-CASE-XNP-06506] Sealed battery qas manifold construct [NASA-CASE-XNP-05321] Solar cell submodule Patent [NASA-CASE-XNP-05821] Reflectometer for receiver input implementation of the communication system Patent [NASA-CASE-XNP-10843] Means for generating a sync signal communication system Patent [NASA-CASE-XNP-10630] Multi-feed cone Cassegrain antenna [NASA-CASE-NPO-10539] Thermionic diode switch Patent [NASA-CASE-NPO-10404]	c09 N71-10659 ontrol means ude of two c07 N71-10676 charge of Patent c03 N71-10728 nt c15 N71-10778 means for c03 N71-11050 ction Patent c03 N71-11051 c03 N71-11056 pedance match c07 N71-11287 in an FM c07 N71-11285 c03 N71-12255
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Single or joint amplitude distribut Patent [NASA-CASE-XNP-01383] Dual wavequide mode source having c for adjusting the relative amplit modes Patent [NASA-CASE-XNP-03134] Method for determining the state of batteries by the use of tracers [NASA-CASE-XNP-01464] High pressure regulator valve Pater (NASA-CASE-XNP-00710] Solar battery with interconnecting of plural cells Patent [NASA-CASE-XNP-06506] Sealed battery qas manifold construct (NASA-CASE-XNP-05378] Solar cell submodule Patent [NASA-CASE-XNP-05821] Reflectometer for receiver input implement for receiver input implement for receiver input implement for generating a sync signal communication system Patent [NASA-CASE-XNP-10843] Mans for generating a sync signal communication system Patent [NASA-CASE-NPO-10539] Thermionic diode switch Patent [NASA-CASE-NPO-10539] Thermionic diode switch Patent [NASA-CASE-NPO-10404] Anti-backlash circuit for hydraulic Patent [NASA-CASE-XNP-01620] Binary number sorter Patent [NASA-CASE-NPO-10112] Linear three-tap feedback shift regions of the state	c09 N71-10659 ontrol means ude of two c07 N71-10676 charge of Patent c03 N71-10728 nt c15 N71-10778 means for c03 N71-11050 ction Patent c03 N71-11051 c03 N71-11056 pedance match c07 N71-11267 in an FM c07 N71-11285 c03 N71-12255 drive system c03 N71-12260 c08 N71-12502
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Matched thermistors for microwave power meters
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   logarithmic response heated filamentary type
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                                          c14 N71-18465
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                                          c14 N71-18625
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of charge Patent	-0.3	N71-20407
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[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus	c23 nt c28 c08	N71-21822 N71-22767 tent
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent	c23 ent c28 c08 Pa	N71-21822 N71-22767 tent
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753]	c23 ent c28 c08 Pa	N71-21822 N71-22707 tent N71-22749
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[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing	c23 nt c28 c08 c08 c08 c08	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641]	c23 nt c28 c08 c08 c08 c08	N71-21822 N71-22767 tent N71-22749 N71-22897
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent	c23 ent c28 c08 c08 c08 c14 c15	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-044067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747]	c23 ent c28 c08 c08 c08 c14 c15	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent
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[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747]	c23 ent c28 c08 c08 c08 c14 c15 c15	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024
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[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-02791] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578]	c23 int c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c15 c15 c11	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-23024 N71-23025 tem
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Priction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-08877] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03788] Drive circuit utilizing two cores Patent Control of the core of the c	c23 int c28 c08 int c08 c08 c14 pa c15 c15 c15 c15 c15 c11 intent	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01641] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refriqeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578]	c23 int c28 c08 int c08 c08 c14 pa c15 c15 c15 c15 c15 c11 intent	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-23024 N71-23025 tem
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03188] Solar wane actuator Patent	c23 int c28 c08 int c08 c08 c14 int c15 c15 c15 int c17 int c10 c10	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-23024 N71-23025 tem N71-23026 N71-23030 N71-23033
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate [NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Priction measuring apparatus Patent [NASA-CASE-XNP-08680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-08877] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03788] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-01318] Solar vane actuator Patent [NASA-CASE-XNP-01318]	c23 int c28 c08 pa c08 c14 c15 c15 c15 c15 c17 inc11 ttent c10 c14	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23026 N71-23030 N71-23033 N71-23040
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift reqister Patent [NASA-CASE-XNP-01753] Priction measuring apparatus Patent [NASA-CASE-XNP-01640] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-02791] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05355]	c23 int c28 c08 Pa c08 c14 c15 c15 c15 sys cnt c11 c14 c14	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23026 N71-23030 N71-23030 N71-23033
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05535] Time of flight mass spectrometer with means from the detector to the low	c23 int c28 c08 Pa c08 c14 c15 c15 c15 sys cnt c11 c14 c14	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23026 N71-23030 N71-23030 N71-23033
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent (NASA-CASE-XNP-04067) Error correcting method and apparatus (NASA-CASE-XNP-02748) Counter and shift register Patent (NASA-CASE-XNP-01753) Priction measuring apparatus Patent (NASA-CASE-XNP-01641) Hybrid lubrication system and bearing (NASA-CASE-XNP-01641) Filler valve Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-08877) Reduced bandwidth video communication utilizing sampling techniques Pate (NASA-CASE-XNP-02791) Model launcher for wind tunnels Pate (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-05355) Time of flight mass spectrometer with means from the detector to the low a specific counter Patent	c23 int c28 c08 c08 c14 c15 c15 c15 c15 c17 c11 tent c10 c14 fee	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23040 dback ce and
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01641] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refriqeration apparatus Patent [NASA-CASE-XNP-01747] Refriqeration apparatus Patent [NASA-CASE-XNP-0377] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Brive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Time of fiight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-01056]	c23 int c28 c08 c08 c08 c14 Pa c15 c15 int c07 int c10 c14 fee sour c14	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23026 N71-23030 N71-23030 N71-23033
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-02791] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Bodel launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05535] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-01056] Connector internal force gauge Pater	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c15 c17 c11 tent c14 sour	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-23024 N71-23025 tem N71-23026 N71-23033 N71-230340 dback ce and N71-23041
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent (NASA-CASE-XNP-04067) Error correcting method and apparatus (NASA-CASE-XNP-02748) Counter and shift register Patent (NASA-CASE-XNP-01753) Priction measuring apparatus Patent (NASA-CASE-XNP-08680) Hybrid lubrication system and bearing (NASA-CASE-XNP-01641) Filler valve Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-08877) Reduced bandwidth video communication utilizing sampling techniques Pate (NASA-CASE-XNP-02791) Bodel launcher for wind tunnels Pate (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-0535) Time of flight mass spectrometer with means from the detector to the low a specific counter Patent (NASA-CASE-XNP-01056) Connector internal force gauge Pater (NASA-CASE-XNP-01056)	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c15 c17 nt c10 c14 c14 c14	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01641] Filter valve Patent [NASA-CASE-XNP-01641] Filter valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Bodel launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-01056] Connector internal force gauge Pater [NASA-CASE-XNP-03918] Circulator having quarter wavelength	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 srcot7 ctc1nt c10 c14 cc14 cc14 cc14 cc14	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05535] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-005398] Connector internal force gauge Pater [NASA-CASE-XNP-03918] Circulator having quarter wavelength post and parametric amplifier circu	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 srcot7 ctc1nt c10 c14 cc14 cc14 cc14 cc14	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05535] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-005398] Connector internal force gauge Pater [NASA-CASE-XNP-03918] Circulator having quarter wavelength post and parametric amplifier circu	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 srcot7 ctc1nt c10 c14 cc14 cc14 cc14 cc14	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent (NASA-CASE-XNP-04067) Error correcting method and apparatus (NASA-CASE-XNP-02748) Counter and shift register Patent (NASA-CASE-XNP-01753) Priction measuring apparatus Patent (NASA-CASE-XNP-01641) Hybrid lubrication system and bearing (NASA-CASE-XNP-01641) Filler valve Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-02791) Reduced bandwidth video communication utilizing sampling techniques Pate (NASA-CASE-XNP-02791) Bodel launcher for wind tunnels Pate (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-05355) Time of flight mass spectrometer with means from the detector to the low a specific counter Patent (NASA-CASE-XNP-01056) Connector internal force gauge Pater (NASA-CASE-XNP-03918) Circulator having quarter wavelength post and parametric amplifier circuutilizing the same Patent	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 sst c07 nt c10 c14 fsour c14 freso	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22997 N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01641] Fybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01877] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Brive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-01056] Connector internal force gauge Patent [NASA-CASE-XNP-03918] Circulator having quarter wavelength post and parametric amplifier circu	c23 nt c28 c28 c08 c08 c14 c15 c15 c15 c15 c15 c17 c11 c14 c14 c14 c14 c15 c09	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087 nant
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01680] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-02791] Model launcher for wind tunnels Pate [NASA-CASE-XNP-02791] Solar vane actuator Patent [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Patent [NASA-CASE-XNP-03578] Solar vane actuator Patent [NASA-CASE-XNP-05535] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-053918] Connector internal force gauge Patent [NASA-CASE-XNP-03918] Circulator having quarter wavelength post and parametric amplifier circuutilizing the same Patent [NASA-CASE-XNP-02140] Method of resolving clock synchroniza	c23 nt c28 c28 c08 c08 c14 c15 c15 c15 c15 c15 c17 c11 c14 c14 c14 c14 c15 c09	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087 nant
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent (NASA-CASE-XNP-04067) Fror correcting method and apparatus (NASA-CASE-XNP-02748) Counter and shift register Patent (NASA-CASE-XNP-01753) Priction measuring apparatus Patent (NASA-CASE-XNP-01641) Hybrid lubrication system and bearing (NASA-CASE-XNP-01641) Filler valve Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-01747) Refrigeration apparatus Patent (NASA-CASE-XNP-02791) Reduced bandwidth video communication utilizing sampling techniques Pate (NASA-CASE-XNP-02791) Bodel launcher for wind tunnels Pate (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-0378) Drive circuit utilizing two cores Patent (NASA-CASE-XNP-05355) Time of flight mass spectrometer with means from the detector to the low a specific counter Patent (NASA-CASE-XNP-01056) Connector internal force gauge Pater (NASA-CASE-XNP-03918) Circulator having quarter wavelength post and parametric amplifier circuutilizing the same Patent (NASA-CASE-XNP-03918) Circulator having quarter wavelength post and parametric amplifier circuutilizing the same Patent (NASA-CASE-XNP-03918) Method of resolving clock synchroniza and means therefor Patent	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c15 c17 c14 c14 c14 c14 c14 c15 c19 c11 c19 c11 c19 c10	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22995 tent N71-23024 N71-23025 tem N71-23033 N71-23033 N71-23040 dback ce and N71-23041 N71-23087 nant N71-23097 error
[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Brive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Time of flight mass spectrometer with means from the detector to the low a specific counter Patent [NASA-CASE-XNP-03056] Connector internal force gauge Pater [NASA-CASE-XNP-0306] Connector internal force gauge Pater [NASA-CASE-XNP-03918] Circulator having quarter wavelength post and parametric amplifier circu utilizing the same Patent [NASA-CASE-XNP-02140] Method of resolving clock synchroniza and means therefor Patent [NASA-CASE-XNP-02140] Method of resolving clock synchroniza and means therefor Patent [NASA-CASE-XNP-0375]	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c15 c17 c14 c14 c14 c14 c14 c15 c19 c11 c19 c11 c19 c10	N71-21822 N71-22767 tent N71-22749 N71-22897 N71-22995 tent N71-22997 N71-23024 N71-23025 tem N71-23030 N71-23030 N71-23033 N71-23040 dback ce and N71-23041 N71-23087 nant
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[NASA-CASE-XNP-01059] Electron bombardment ion engine Pate (NASA-CASE-XNP-04124] Data compressor Patent [NASA-CASE-XNP-04067] Error correcting method and apparatus [NASA-CASE-XNP-02748] Counter and shift register Patent [NASA-CASE-XNP-01753] Friction measuring apparatus Patent [NASA-CASE-XNP-01601] Hybrid lubrication system and bearing [NASA-CASE-XNP-01641] Filler valve Patent [NASA-CASE-XNP-01747] Refrigeration apparatus Patent [NASA-CASE-XNP-01747] Reduced bandwidth video communication utilizing sampling techniques Pate [NASA-CASE-XNP-03578] Brive circuit utilizing two cores Pate [NASA-CASE-XNP-03578] Drive circuit utilizing two cores Pate [NASA-CASE-XNP-01318] Solar vane actuator Patent [NASA-CASE-XNP-01318] Solar vane from the detector to the low as specific counter Patent [NASA-CASE-XNP-01918] Circulator having quarter wavelength post and parametric amplifier circuitilizing the same Patent [NASA-CASE-XNP-01918] Circulator having quarter wavelength post and parametric amplifier circuitilizing the same Patent [NASA-CASE-XNP-02140] Method of resolving clock synchronization means therefor Patent [NASA-CASE-XNP-08875] Impact testing machine Patent [NASA-CASE-XNP-08875]	c23 nt c28 c08 c08 c08 c14 c15 c15 c15 c15 c15 c17 c11 tent c10 c14 c14 c14 c14 c14 c14 c14 c16 c10 c10 c10 c10	N71-21822 N71-22767 tent N71-22749 N71-22995 tent N71-22995 tent N71-23024 N71-23025 tem N71-23033 N71-23033 N71-23040 dback ce and N71-23041 N71-23087 nant N71-23097 error
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[NASA-CASE-XNP-03835] Dicyanoacetylene polymers Patent	C06	N71-23499
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Indexing microwave switch Patent	••	
[NASA-CASE-XNP-06507] Millimeter wave radiometer for radio		N71-23548
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[NASA-CASE-XNP-08961]		N71-24809
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Patent [NASA-CASE-NPO-10123]	c 15	N71-24835
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Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee	c08 ivisi l pha c08 rangi c08 for n c08 athod	N72-25207 on se N72-25208 ng system N72-25209 sultibit N72-25210 te ray
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760]	c08 ivisi l pha c08 rangi c08 for n c08 athod	N72-25207 .on .se N72-25208 .ng system N72-25209 ultibit N72-25210 te ray
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor	c08 ivisi 1 pha c08 rangi c08 for n c08 athod	N72-25207 .on .se N72-25208 .ng system N72-25209 nultibit N72-25210 te ray N72-25248
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283]	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 unltibit N72-25210 le ray N72-25248 N72-25254 N72-25260
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 unltibit N72-25210 le ray N72-25248 N72-25254 N72-25260
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11283] The phase flow system with discrete two-phase jets	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 sultibit N72-25210 le ray N72-25248 N72-25254 N72-25260
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556]	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 unltibit N72-25210 le ray N72-25248 N72-25254 N72-25260
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 nultibit N72-25210 de ray N72-25248 .N72-25254 N72-25260 .ng system N72-25210 .ng system N72-25210 .ng system N72-25210 .ng system .ng system
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11283] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373]	c08 ivisi 1 pha c08 rangi c08 for n c08 athod c09 dback c09 dback c09	N72-25207 .on .se N72-25208 .ng system N72-25209 sultibit N72-25210 le ray N72-25248 N72-25254 N72-25260
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices	c08 c08 ranqii c08 c08 for m c08 dback c09 c09 c09 c09 c09 c09 c12 c13	N72-25207 .on .se N72-25208 .ng system N72-25209 nultibit N72-25210 de ray N72-25248 .N72-25254 N72-25260 .ng system N72-25210 .ng system N72-25210 .ng system N72-25210 .ng system .ng system
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-1311] Ouick disconnect coupling	c088 c088 for m c088 for m c088 for m c08 c09 dback c09 c09 c12 c13 c14	N72-25207 .on .se N72-25208 .ng system N72-25209 sultibit N72-25210 le ray N72-25248 .N72-25248 .N72-25254 N72-25260 .ng in a system N72-25248 .N72-25248 .N72-25248 .N72-25248 .N72-25248 .N72-252414
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-1194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202]	c088 c088 for m c088 for m c088 for m c08 c09 dback c09 c09 c12 c13 c14	N72-25207 .on .se N72-25208 .ng system N72-25209 unltibit N72-25210 le ray N72-25248 .N72-25254 N72-25260 .ng ng n
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors	c08 c08 c08 c09 c09 cop	N72-25207 .on .se N72-25208 .ng system N72-25209 rultibit N72-25210 le ray N72-25248 (N72-25254 N72-25260 .or N72-25292 N72-25292 N72-25323 N72-25414 N72-25450
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11342] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095]	c08 c08 c08 c09 c09 cop	N72-25207 .on .se N72-25208 .ng system N72-25209 sultibit N72-25210 le ray N72-25248 .N72-25248 .N72-25254 N72-25260 .ng in a system N72-25248 .N72-25248 .N72-25248 .N72-25248 .N72-25248 .N72-252414
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-1194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11302] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator	c08 c08 c09 c09 c12 c13 c14 c15 c15	N72-25207 .on .on .on .on .on .on .on .on
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222]	c08 c08 c09 c09 c12 c13 c14 c15 c15	N72-25207 .on .se N72-25208 .ng system N72-25209 rultibit N72-25210 le ray N72-25248 (N72-25254 N72-25260 .or N72-25292 N72-25292 N72-25323 N72-25414 N72-25450
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11022] Short range laser obstacle detector	c08 c08 c08 c08 c08 c08 c09	N72-25207 N72-25208 N72-25209 N72-25209 N72-25210 He ray N72-25248 N72-25248 N72-25254 N72-25260 N72-25292 N72-25323 N72-25414 N72-25450 N72-25456
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by digita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-1194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Digital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11302] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11222]	c08 c08 c08 c08 c08 c08 c09	N72-25207 .on .on .on .on .on .on .on .on
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11856-1] Helium refrigerator and method for	c08 c08 c08 c08 c08 c08 c09	N72-25207 N72-25208 N72-25209 N72-25209 N72-25210 He ray N72-25248 N72-25248 N72-25254 N72-25260 N72-25292 N72-25323 N72-25414 N72-25450 N72-25456
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11342] Two phase flow system with discrete two-phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11095] Short range laser obstacle detector [NASA-CASE-NPO-11856-1] Helium refrigerator and method for decontaminating the refrigerator	c08 c08 c08 c08 c08 c09 c09 c09 c09 c15 c15 c15	N72-25207 N72-25208 N72-25209 N72-25209 N72-25210 He ray N72-25248 N72-25254 N72-25254 N72-25292 N72-25323 N72-25414 N72-25450 N72-25456 N72-25456 N72-25456 N72-25456
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11856-1] Helium refrigerator and method for	c08 ivisii pha c08 c08 congine	N72-25207 .on .on .on .on .on .on .on .on
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Quick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-112856-1] Helium refrigerator and method for decontaminating the refrigerator [NASA-CASE-NPO-10634]	c08 ivisii pha c08 c08 congine	N72-25207 .on .on .on .on .on .on .on .on
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11095] Ball screw linear actuator [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-112856-1] Helium refrigerator and method for decontaminating the refriqerator [NASA-CASE-NPO-10634] Diqital servo control of random soun excitation [NASA-CASE-NPO-11623-1]	c08 ivisi 1 pha c08 granding c08 granding c08 granding c08 granding c09 granding c12 c13 c14 c15 c15 c16 c23 d tes	N72-25207 .on .on .on .on .on .on .on .on
Communications link for computers [NASA-CASE-NPO-11161] Method and apparatus for frequency-d multiplex communications by diqita shift of carrier [NASA-CASE-NPO-11338] Binary coded sequential acquisition [NASA-CASE-NPO-11194] MOD 2 sequential function generator binary sequence [NASA-CASE-NPO-10636] Diqital video display system using c tube [NASA-CASE-NPO-11342] Inverter oscillator with voltage fee [NASA-CASE-NPO-10760] Thermal motor [NASA-CASE-NPO-11283] Two phase flow system with discrete two-phase jets [NASA-CASE-NPO-11556] Atmospheric sampling devices [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11373] Light sensor [NASA-CASE-NPO-11311] Ouick disconnect coupling [NASA-CASE-NPO-11202] Coaxial injector for reaction motors [NASA-CASE-NPO-11202] Short range laser obstacle detector [NASA-CASE-NPO-11222] Short range laser obstacle detector [NASA-CASE-NPO-11856-1] Helium refrigerator and method for decontaminating the refrigerator [NASA-CASE-NPO-10634] Diqital servo control of random soun excitation	c08 ivisi 1 pha c08 grandi c08 grandi c08 grandi c08 grandi c08 grandi c09 grandi c09 grandi c09 grandi c12 c13 c15 c15 c16 c23 d tes	N72-25207 .on .se N72-25208 .ng system .n72-25209 .ultibit N72-25210 .e ray .n72-25248 .ng system .

[NASA-CASE-NPO-11147]		
	c14	N72-2740
Light direction sensor		
[NASA-CASE-NPO-11201]	c14	N72-2740
Adjustable support		
[NASA-CASE-NPO-10721]	c15	N72-2748
Method for controlling vapor content	of a	gas
[NASA-CASE-NPO-10633]		N72-2802
Method and apparatus for synchronizi		
channel digital communications sys-		,
[NASA-CASE-NPO-11302-2]		N72-2816
Gated compressor, distortionless sig-		
[NASA-CASE-NPO-11820-1]		N72-2816
New use of thin film light detector		2010
[NASA-CASE-NPO-11432-2]	c14	N72-2844
Apparatus for scanning the surface of		272 2011
cylindrical body		
[NASA-CASE-NPO-11861-1]	c14	N72-2846
Scanning nozzle plating system	0.4	1172 2040
[NASA-CASE-NPO-11758-1]	c15	N72-2850
Maser for frequencies in the 7-20 GH		
[NASA-CASE-NPO-11437]		N72-2852
Electro-optical scanning apparatus	0.0	M 12 2032
[NASA-CASE-NPO-11106-2]	c23	N72-2869
Thin film temperature sensor and met		
making same		
[NASA-CASE-NPO-11775]	c26	N72-2876
Circularly polarized antenna	020	11.2 20.0
[NASA-CASE-ERC-10214]	c09	N72-3123
Singly-curved reflector for use in h		
antennas		1420
[NASA-CASE-NPO-11361]	c07	N72-3216
Digital slope threshold data compress		11.2 3210
[NASA-CASE-NPO-11630]		N72-3317
Continuously variable voltage control		
shifter	ııeu	Phase
[NASA-CASE-NPO-11129]	c09	N72-3320
Automatic vehicle location system	CUJ	1172-3320
[NASA-CASE-NPO-1185G-1]	c09	N73-1024
Flow control valve	003	175 1024
[NASA-CASE-NPO-11951-1]	c 15	N73-1050
Low loss dichroic plate	C 13	11/3-10/30
[NASA-CASE-NPO-13171-1]	C07	N73-1215
Pseudonoise sequence generators with		
linear feedback shift registers	CHIC	e cap
	CUB	N73-1217
[NASA-CASE-NPO-11406] Versatile arithmetic unit for high si		N73-1217
Versatile arithmetic unit for high s		N73-1217
Versatile arithmetic unit for high s sequential decoder	peed	
Versatile arithmetic unit for high s sequential decoder [NASA-CASE-NPO-11371]	c08	N73-1217
Versatile arithmetic unit for high spagnential decoder [NASA-CASE-NPO-11371] Digital second order phase locked loc	c08	N73-1217
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1]	c08	
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked low [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed	c08	พ73-1217 พ73-1219:
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1]	c08 c08 c08	N73-1217 N73-1219 N73-1221
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing	c08 c08 c08 c08	N73-1217 N73-1219 N73-12216 Se effects
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631]	c08 c08 c08 c08	N73-1217 N73-1219 N73-1221
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter	c08 c08 c08 c09 nois c10	N73-1217 N73-1219: N73-12216 Se effect: N73-1224
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239]	c08 c08 c08 c08	N73-1217 N73-1219 N73-12216 Se effects
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked second locked locked locked fasa-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device	c08 c08 c08 c09 nois c10	N73-1217 N73-1219 N73-12219 e effect: N73-12244
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493]	c08 c08 c08 c09 nois c10 c14	N73-1217 N73-1219: N73-12214 Se effect: N73-1224 N73-1244
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability	c08 c08 c09 nois c10 c14 c14	N73-1217 N73-1219 N73-12216 Se effect: N73-1224 N73-1244 N73-1244
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-1905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1)	c08 c08 c09 nois c10 c14 c14	N73-1217 N73-1219: N73-12214 Se effect: N73-1224 N73-1244
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter	c08 c08 c08 c09 nois c10 c14 c14 c15	N73-1217 N73-1219 N73-12216 Se effect: N73-12246 N73-12446 N73-12447 Stimation
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-13086-1] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1]	c08 c08 c08 c09 nois c10 c14 c14 c15	N73-1217 N73-1219 N73-12215 e effect: N73-1224 N73-1244 N73-1244 timation N73-1249!
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked local loc	c08 c08 c08 c09 nois c10 c14 c14 ty es c15 c22 puls	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1249 N73-1249
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-1905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM com-	c08 c08 c08 c09 nois c10 c14 c14 ty es c15 c22 puls	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1249 N73-1249
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Digital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM compared	c08 c08 c09 nois c10 c14 c14 ty es c15 c22 puls nunic	N73-1217 N73-1219 N73-12219 Se effect: N73-1224 N73-1244 Stimation N73-1249! N73-1270 Ses from
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-13091-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1) Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer system [NASA-CASE-NPO-11302-1]	c08 c08 c09 nois c10 c14 c14 ty es c15 c22 puls munic	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1249 N73-1249
Versatile arithmetic unit for high system [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-1306-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor	cos cos cos cos cos cos cos cos cos cos	N73-1217 N73-1219 N73-1221 Se effect: N73-1224 N73-1244 N73-1245 Stimation N73-1249 N73-1270 N73-1270 N73-13149
Versatile arithmetic unit for high system [NASA-CASE-NPO-11371] Diqital second order phase locked log [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11239] Program for computer aided reliabili [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM com system [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor i orthogonally disposed resistive an	cos cos cos cos cos cos cos cos cos cos	N73-1217 N73-1219 N73-1221 Se effect: N73-1224 N73-1244 N73-1245 Stimation N73-1249 N73-1270 N73-1270 N73-13149
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked local [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631) Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1) Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM community system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor orthogonally disposed resistive and cards	constant con	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1249 N73-1249 N73-1249 N73-1249
Versatile arithmetic unit for high system [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM computers [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor in orthogonally disposed resistive and cards [NASA-CASE-NPO-1148-1]	cos	N73-1217 N73-1219 N73-1221 Se effect: N73-1224 N73-1244 N73-1244 Stimation N73-1249 Ses from Set from
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM community system [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor in orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital iner-	cos	N73-1217 N73-1219 N73-12216 Se effect: N73-1224 N73-1244 Stimation N73-1249 N73-1270 Ses from Sations N73-13149 Plectric
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-13091-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-13091-1] Interferometer-polarimeter [NASA-CASE-NPO-11631] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer in a si	cos	N73-1217 N73-1219 N73-1221 Se effect: N73-1224 N73-1244 N73-1244 Stimation N73-1249 Ses from Set from
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1) Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer in the system [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor in orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital iner [NASA-CASE-NPO-13044-1] Gas flow control device	c08 c09 nois c10 c14 c14 ty es c15 c22 puls munic c07 has d die c14 c14 c14	N73-1217 N73-1219 N73-1221 Se effect: N73-1224 N73-1244 N73-1245 Seist from actions N73-13149 Plectric N73-13426 Sensor N73-13436
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-13091-1] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM comes system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor orthogonally disposed resistive and cards [NASA-CASE-NPO-1418-1] Temperature compensated digital inerty [NASA-CASE-NPO-13044-1] Gas flow control device [NASA-CASE-NPO-13044-1] Gas flow control device [NASA-CASE-NPO-11418-1]	c08 c09 nois c10 c14 c14 ty es c15 c22 puls munic c07 has d die c14 c14 c14	N73-1217 N73-1219 N73-12216 Se effect: N73-1224 N73-1244 Stimation N73-1249 N73-1270 Ses from Sations N73-13149 Plectric
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-13091-1] Interferometer-polarimeter [NASA-CASE-NPO-11631] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer in a si	c08 c09 nois c10 c14 c14 ec15 c22 puls d did dic c14 c15	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1249 N73-1249 N73-13149 Selectric
Versatile arithmetic unit for high system general decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13021-1] Apparatus for deriving synchronizing pulses in a single channel PCM computer in the system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital inergy [NASA-CASE-NPO-11418-1] Gas flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11149] Electrolytic gas operated actuator [NASA-CASE-NPO-11369]	c08 c09 nois c10 c14 c14 c14 c15 c22 puls munic c07 has d die c14 c14 c15	N73-1217 N73-1219 N73-12219 N73-12249 N73-12449 N73-12449 N73-1249 N73-1249 N73-13149 Rectric N73-13149 Rectric N73-13446 N73-13446
Versatile arithmetic unit for high system [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliabilit [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM come system [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor is orthogonally disposed resistive and cards [NASA-CASE-NPO-13044-1] Temperature compensated digital iner [NASA-CASE-NPO-13044-1] Gas flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11469] Dual purpose momentum wheels for space	c08 c09 nois c10 c14 c14 c14 c15 c22 puls munic c07 has d die c14 c14 c15	N73-1217 N73-1219 N73-12219 N73-12249 N73-12449 N73-12449 N73-1249 N73-1249 N73-13149 Rectric N73-13149 Rectric N73-13446 N73-13446
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1) Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM computers in a single channel PCM computers in a single channel PCM computer in the system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor in orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital inerticates [NASA-CASE-NPO-11418-1] Gas flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11369] Dual purpose momentum wheels for spanaguetic recording	c08 c09 c08 c09 nois c10 c14 ty es c15 c22 puls munic c07 has c14 c14 c15 c15	N73-1217' N73-1219' N73-1224' N73-1244' N73-1244' N73-1249' N73-1249' N73-1249' N73-13149' Peter of the control
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM common system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor conthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital inerginal system [NASA-CASE-NPO-11418-1] Gas flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11369] Dual purpose momentum wheels for space and partic recording [NASA-CASE-NPO-11481]	c08 c09 noise c14 c14 c14 c15 c22 puls munic c17 tal c14 c15 ccccc c21	N73-1217' N73-1221' Se effect: N73-1224' N73-1244' N73-1244' timation N73-1249' N73-1249' N73-13149' electric N73-13149' selectric N73-1346' N73-1346' N73-1346' N73-1346'
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked low [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing [NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM community [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor orthogonally disposed resistive and cards [NASA-CASE-NPO-13044-1] Gas flow control device [NASA-CASE-NPO-13044-1] Gas flow control device [NASA-CASE-NPO-1148-1] Temperature compensated digital iner [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11479] Electrolytic qas operated scuator [NASA-CASE-NPO-11369] Dual purpose momentum wheels for spanmagnetic recording [NASA-CASE-NPO-11481] Control for nuclear thermionic power	c08 c09 cos	N73-1217 N73-1219 N73-1224 N73-1224 N73-1244 N73-1244 N73-1249 N73-1270 Ses from actions N73-13149 Plectric N73-1346 N73-1346 N73-1346
Versatile arithmetic unit for high sysequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1) Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Apparatus for deriving synchronizing pulses in a single channel PCM computers in a single channel PCM computers in a single channel PCM computer in the system [NASA-CASE-NPO-11302-1] Rotary vane attenuator wherin rotor in orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital inerograms flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11369] Dual purpose momentum wheels for spanmagnetic recording [NASA-CASE-NPO-11481] Control for nuclear thermionic power [NASA-CASE-NPO-11481]	c08 c09 c08 c09 nois c10 c14 ty es c15 c22 puls munic c14 c14 c15 c15 cccra c25 c25 c27	N73-1217' N73-1219' N73-1224' N73-1244' N73-1244' N73-1249' N73-1249' N73-1249' N73-13149' Plectric N73-1343' N73-1346' N73-1346' N73-1346' N73-1366'
Versatile arithmetic unit for high system sequential decoder [NASA-CASE-NPO-11371] Diqital second order phase locked loc [NASA-CASE-NPO-11905-1] Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1] Audio system with means for reducing (NASA-CASE-NPO-11631] Interferometer-polarimeter [NASA-CASE-NPO-11239] Irradiance measuring device [NASA-CASE-NPO-11493] Program for computer aided reliability (NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13086-1] Nuclear thermionic converter [NASA-CASE-NPO-13121-1] Apparatus for deriving synchronizing pulses in a single channel PCM common system [NASA-CASE-NPO-1302-1] Rotary vane attenuator wherin rotor orthogonally disposed resistive and cards [NASA-CASE-NPO-11418-1] Temperature compensated digital iner (NASA-CASE-NPO-11418-1] Gas flow control device [NASA-CASE-NPO-11479] Electrolytic gas operated actuator [NASA-CASE-NPO-11369] Dual purpose momentum wheels for spannagnetic recording [NASA-CASE-NPO-11481] Control for nuclear thermionic power [NASA-CASE-NPO-13144-1]	c08 c09 c08 c19 c14 c14 c14 c15 c22 c15 cc15 cccca c21 soun c22 e ant	N73-1217' N73-1221' Se effect: N73-1224' N73-1244' N73-1244' N73-1249' N73-1249' N73-13149' Selectric N73-13146' N73-1346' N73-1346' N73-1365' N73-1365'
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[NASA-CASE-XLA-03538] LITTLE (ARTHUR D.), INC., CAMBRIDGE, MASS. Apparatus for measuring thermal conductivity Patent [NASA-CASE-XGS-01052] Flame retardant elastomeric compositions [NASA-CASE-MSC-14331-1] LITTON INDUSTRIES, BEVERLY HILLS, CALIP. Life support system [NASA-CASE-MSC-12411-1] LO5 N72-20096 LITTON INDUSTRIES, COLLEGE PARK, ND. Shrink-fit gas valve Patent [NASA-CASE-MSC-0587] LITTON SYSTEMS, INC., HINNEAPOLIS, HINN. Apparatus for sampling particulates in gases [NASA-CASE-MQN-10037-1] LOCKBEED AIRCRAFT CORP., BURBANK, CALIP. Aerodynamic protection for space flight vehicles Patent [NASA-CASE-XNP-02507] LOCKBEED ELECTRONICS CO., HOUSTON, TEX. Current-limiting voltage regulator Patent Application [NASA-CASE-MSC-11824-1] Television signal scan rate conversion system Patent [NASA-CASE-XNS-07168] BURST Synchronization detection system Patent [NASA-CASE-XNS-07168] CO7 N71-11300 Burst synchronization detection system Patent [NASA-CASE-XNS-07168] LOT N71-19468 Automatic signal range selector for metering devices Patent [NASA-CASE-XNS-06497] C14 N71-26244	Fuel injection pump for internal combustion enqines Patent [NASA-CASE-MSC-12139-1]
[NASA-CASE-XLA-03538] c15 N71-24897 LITTLE (ARTHUR D.), INC., CAMBRIDGE, MASS. Apparatus for measuring thermal conductivity Patent [NASA-CASE-XGS-01052] c14 N71-15992 Flame retardant elastomeric compositions [NASA-CASE-MSC-14331-1] c18 N73-27501 LITTON INDUSTRIES, BEVERLY HILLS, CALIF. Life support system [NASA-CASE-MSC-12411-1] c05 N72-20096 LITTON INDUSTRIES, COLLEGE PARK, MD. Shrink-fit gas valve Patent [NASA-CASE-XGS-00587] c15 N70-35087 LITTON SYSTEMS, INC., MINNEAPOLIS, MINN. Apparatus for sampling particulates in gases [NASA-CASE-MQN-10037-1] c14 N73-27376 LOCKHEED AIRCRAFT CORP., BURBANK, CALIF. Aerodynamic protection for space flight vehicles Patent [NASA-CASE-XNP-02507] c31 N71-17679 LOCKHEED BLECTRONICS CO., HOUSTON, TEX. Current-limiting voltage regulator Patent Application [NASA-CASE-MSC-11824-1] c09 N70-35574 Television signal scan rate conversion system Patent [NASA-CASE-XMS-07168] c07 N71-11300 Burst synchronization detection system Patent [NASA-CASE-XMS-07168] c10 N71-19468 Automatic signal range selector for metering devices Patent [NASA-CASE-XMS-06497] c14 N71-26244 Monostable multivibrator with complementary NOB qates Patent	Fuel injection pump for internal combustion engines Patent [NASA-CASE-MSC-12139-1]
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIF.	[NASA-CASE-ARC-10448-1] c14 N72-21421
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIF.	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type PET qyrator [NASA-CASE-HFS-22343-1] c09 N73-18224
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIP. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIP. Rocket nozzle test method Patent	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type FET gyrator [NASA-CASE-NFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-MFS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483
MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIF. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIF. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIF. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, sinqle channel type FET qyrator [NASA-CASE-MFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-MFS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power gyrator
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIP. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIP. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643 Reaction of fluorine with polyperfluoropolyenes [NASA-CASE-NPO-1062] c06 N72-22107 Polymers of perfluorobutadiene and method of	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type FET gyrator [NASA-CASE-NFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-NFS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power gyrator [NASA-CASE-HFS-22342-1] c09 N73-24236 Suppression of flutter [NASA-CASE-LAR-10682-1] c02 N73-26004
MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIF. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIP. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643 Reaction of fluorine with polyperfluoropolyenes [NASA-CASE-NPO-10862] c06 N72-22107 Polymers of perfluorobutadiene and method of manufacture	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type PET qyrator [NASA-CASE-HFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-HFS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power gyrator [NASA-CASE-LAR-11139-1] c09 N73-24236 Suppression of flutter [NASA-CASE-LAR-10682-1] c02 N73-26004 Holographic device
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIP. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIP. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643 Reaction of fluorine with polyperfluoropolyenes [NASA-CASE-NPO-10862] c06 N72-22107 Polymers of perfluorobutadiene and method of manufacture [NASA-CASE-NPO-10863-2] c06 N72-25152 MCDONNELL-DOUGLAS CORP., ST. LOUIS, MO. Utilization of oxygen difluoride for syntheses of fluoropolymers [NASA-CASE-NPO-12061-1] c06 N72-21100	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type PET qyrator [NASA-CASE-HFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-HRS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power qyrator [NASA-CASE-LAR-1139-1] c09 N73-24236 Suppression of flutter [NASA-CASE-LAR-10682-1] c02 N73-26004 Holographic device [NASA-CASE-LAR-20682-1] c16 N73-26500 Optical data processing using paraboloidal mirror segments
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MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIP. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIF. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIP. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643 Reaction of fluorine with polyperfluoropolyenes [NASA-CASE-NPO-10862] c06 N72-22107 Polymers of perfluorobutadiene and method of manufacture [NASA-CASE-NPO-10863-2] c06 N72-25152 MCDONNELL-DOUGLAS CORP., ST. LOUIS, MO. Utilization of oxygen difluoride for syntheses of fluoropolymers [NASA-CASE-NPO-12061-1] c06 N72-21100 Thermally conductive polymers [NASA-CASE-MFS-21175-1] c05 N72-28097 A fluid dispenser [NASA-CASE-MFS-21115-1] c05 N72-28098 Flame detector operable in presence of proton radiation [NASA-CASE-MFS-21577-1] Thrust isolating mounting	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type PET qyrator [NASA-CASE-HFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-HFS-221433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power qyrator [NASA-CASE-LAR-11139-1] c09 N73-24236 Suppression of flutter [NASA-CASE-HFS-22342-1] c09 N73-24236 Suppression of flutter [NASA-CASE-HFS-22040-1] c16 N73-26004 Holographic device [NASA-CASE-HFS-22040-1] c16 N73-26500 Optical data processing using paraboloidal mirror segments [NASA-CASE-GSC-11296-1] c23 N73-30666 Power supply for carbon dioxide lasers [NASA-CASE-GSC-11296-1] c16 N73-32391 WATIONAL AERONAUTICS AND SPACE ADMINISTRATION. AMES RESBARCH CENTER, MOFFETT FIELD, CALIF. Nonmagnetic thermal motor for a magnetometer [NASA-CASE-XAR-03786] c09 N69-21313 Balanced bellows spirometer [NASA-CASE-XAR-03786] c09 N69-21473 Cryogenic apparatus for measuring the intensity of magnetic fields [NASA-CASE-XAR-0407] c14 N69-27423
MCDONNELL-DOUGLAS CORP., LONG BEACH, CALIF. A device for use in loading tension members [NASA-CASE-MFS-21488-1] c14 N73-23526 A device for measuring tensile forces [NASA-CASE-MFS-21728-1] c14 N73-25467 MCDONNELL-DOUGLAS CORP., NEWPORT BEACH, CALIF. Method of making membranes [NASA-CASE-XNP-04264] c03 N69-21337 MCDONNELL-DOUGLAS CORP., SANTA HONICA, CALIF. Rocket nozzle test method Patent [NASA-CASE-NPO-10311] c31 N71-15643 Reaction of fluorine with polyperfluoropolyenes [NASA-CASE-NPO-10862] c06 N72-22107 Polymers of perfluorobutadiene and method of manufacture [NASA-CASE-NPO-10863-2] c06 N72-25152 MCDONNELL-DOUGLAS CORP., ST. LOUIS, MO. Utilization of oxygen difluoride for syntheses of fluoropolymers [NASA-CASE-NPO-12061-1] c06 N72-21100 Thermally conductive polymers [NASA-CASE-MFS-211304-1] c05 N72-28097 A fluid dispenser [NASA-CASE-MFS-21163-1] c05 N72-28098 Flame detector operable in presence of proton radiation [NASA-CASE-MFS-21577-1] Thrust isolating mounting [NASA-CASE-MFS-21680-1] c15 N73-20525	[NASA-CASE-ARC-10448-1] c14 N72-21421 Automated method for studying the oxidative metabolism of aniline and similar compounds [NASA-CASE-ARC-10469-1] c06 N72-31145 Integrated, single channel type PET gyrator [NASA-CASE-HFS-22343-1] c09 N73-18224 Gyrator employing field effect transistors [NASA-CASE-HFS-21433] c09 N73-20232 Stagnation pressure probe [NASA-CASE-HFS-21433] c14 N73-20483 Integrable power gyrator [NASA-CASE-LAR-11139-1] c14 N73-20483 Integrable power gyrator [NASA-CASE-HFS-22342-1] c09 N73-24236 Suppression of flutter [NASA-CASE-HFS-22342-1] c02 N73-26004 Holographic device [NASA-CASE-HFS-22040-1] c16 N73-26500 Optical data processing using paraboloidal mirror segments [NASA-CASE-GSC-11296-1] c23 N73-30666 Power supply for carbon dioxide lasers [NASA-CASE-GSC-11222-1] c16 N73-32391 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. AMES RESEARCH CENTER, MOFFETT FIELD, CALIF. Nonmagnetic thermal motor for a magnetometer [NASA-CASE-XAR-03786] c09 N69-21313 Balanced bellows spirometer [NASA-CASE-XAR-01547] c05 N69-21473 Cryogenic apparatus for measuring the intensity of magnetic fields [NASA-CASE-XAC-02407] c14 N69-27423 Variable stiffness polymeric damper
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[NASA-CASE-XAC-00042] c14 N70-34816 High-temperature, high-pressure spherical
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[NASA-CASE-XAC-00030] c14 N70-34820 Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c02 N70-34856 Temperature compensated solid state differential
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[NASA-CASE-XAC-00942] c10 N71-16042 Apparatus for measuring conductivity and
<pre>velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent</pre>
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deflection members shaped according to the
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Attitude controls for VTOL aircraft Patent
  [NASA-CASE-XAC-08972]
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Electric arc apparatus
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  [ NASA-CASE-XAC-01677]
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Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c14 N71-21072
Stirring apparatus for plural test tubes Patent
  [ NASA-CASE-XAC-06956]
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Exposure system for animals Patent
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  signal magnified over input signal by a
  function of the mechanical {\bf Q} of the vibrating element Patent
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  resistor for temperature compensation Patent
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  blood oxygenation, blood pressure, pulse rate
  and the pressure pulse curve utilizing an ear oximeter as transducer Patent
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Floating two force component measuring device
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  [ NASA-CASE-XAC-05632]
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  [ NASA-CASE-ARC-10098-1]
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                                          c16 N71-24828
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  [ NASA-CASE-ARC-10003-1]
                                          c09 N71-25866
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                                          c15 N71-27754
  false triggering from supply voltage
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LOCOMOTION and restraint aid Patent (NASA-CASE-ARC-10152)
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                                          c05 N71-28619
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                                          c15 N71-28952
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  hydraulic valve system for aircraft controls
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  Patent
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                                          c03 N71-33409
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                                          c10 N72-10205
Diatomic infrared qasdynamic laser
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                                          c16 N72-10432
Phase shift circuit apparatus
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                                          c10 N72-16172
High intensity radiant energy pulse source having means for opening shutter when light
  flux has reached a desired level
  [ NASA-CASE-ARC-10178-11
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[NASA-CASE-ARC-10020]	c10 N72-17172	[NASA-CASE-ARC-1
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Inductanceless filter amplifier	c	horizontal stabi
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[NASA-CASE-ARC-10176-1] Space suit having improved wai:	c15 N72-21464 st and torso	Concentric differe [NASA-CASE-ARC-1
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Wide range dynamic pressure se		of a plasma
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salt of nitrosubstituted aro [NASA-CASE-ARC-10325]	c06 N72-25147	[NASA-CASE-ARC-1 Low power electron
Bio-isolated dc operational am		accurate zero se
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[NASA-CASE-ARC-10345-1]	c15 N73-12488	Full flow with shu control valve P
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Miniature ingestible telemeter measure deep body temperatur		[NASA-CASE-ERC-1 A method for selec
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[NASA-CASE-ARC-10467-1] Self-tuning bandpass filter	c09 N73-14214	A method for prepa silicon dioxide
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Micrometeoroid analyzer		[NASA-CASE-ERC-1
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Dual wavelength scanning Doppl		ambient Patent
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aphic drug detector
10633-1]
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ircuit including means for
g the sensitivity thereof
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10749-1]
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us using a laser having a sensitive cavity reflector
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AND SPACE ADMINISTRATION.
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tus for wavelength tuning of
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                     c16 N69-31343
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10208] c15 N70-10867
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10227) c14 N70-12
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[NASA-CASE-ERC-10125] Leak detector wherein a probe is mon	c09 N71-24893
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Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090]	stem Patent c21 N71-24948 effect
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Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090] Transverse piezoresistance and pinch electromechanical transducers Pat [NASA-CASE-ERC-16088] A solid state acoustic variable time Patent [NASA-CASE-ERC-10032] Bethod and means for recording and reconstructing holograms without u reference beam Patent	stem Patent c21 N71-24948 effect ent c26 N71-25490 delay line c10 N71-25900 se of a
Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090] Transverse piezoresistance and pinch electromechanical transducers Pat [NASA-CASE-ERC-10088] A solid state acoustic variable time Patent [NASA-CASE-ERC-10032] Bethod and means for recording and reconstructing holograms without u reference beam Patent [NASA-CASE-ERC-10020].	stem Patent c21 N71-24948 effect ent c26 N71-25490 delay line c10 N71-25900 se of a c16 N71-26154
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Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090] Transverse piezoresistance and pinch electromechanical transducers Pat [NASA-CASE-ERC-10088] A solid state acoustic variable time Patent [NASA-CASE-ERC-10032] Bethod and means for recording and reconstructing holograms without ureference beam Patent [NASA-CASE-ERC-10020] Electromechanical control actuator s [NASA-CASE-ERC-10022] Bethod and apparatus for detecting gratent	stem Patent c21 N71-24948 effect ent c26 N71-25490 delay line c10 N71-25900 se of a c16 N71-26154 ystem Patent c15 N71-26635 ross leaks
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Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090] Transverse piezoresistance and pinch electromechanical transducers Pat [NASA-CASE-ERC-10088] A solid state acoustic variable time Patent [NASA-CASE-ERC-10032] Method and means for recording and reconstructing holograms without u reference beam Patent [NASA-CASE-ERC-10020]. Electromechanical control actuator s [NASA-CASE-ERC-10022] Method and apparatus for detecting g Patent [NASA-CASE-ERC-10033] Field ionization electrodes Patent [NASA-CASE-ERC-10013] Voltage regulator Patent [NASA-CASE-ERC-10113]	stem Patent c21 N71-24948 effect ent c26 N71-25490 delay line c10 N71-25900 se of a c16 N71-26154 ystem Patent c15 N71-26635 ross leaks c14 N71-26672 c09 N71-26678
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Satellite aided vehicle avoidance sy [NASA-CASE-ERC-10090] Transverse piezoresistance and pinch electromechanical transducers Pat [NASA-CASE-ERC-10088] A solid state acoustic variable time Patent [NASA-CASE-ERC-10032] Bethod and means for recording and reconstructing holograms without ureference beam Patent [NASA-CASE-ERC-10020] Electromechanical control actuators [NASA-CASE-ERC-10022] Bethod and apparatus for detecting gratent [NASA-CASE-ERC-10033] Field ionization electrodes Patent [NASA-CASE-ERC-10013] Voltage regulator Patent [NASA-CASE-ERC-10113] A multichannel photoionization chamb absorption analysis Patent [NASA-CASE-ERC-10044-1] Pressure sensitive transducers Pate	stem Patent c21 N71-24948 effect ent c26 N71-25490 delay line c10 N71-25900 se of a c16 N71-26154 ystem Patent c15 N71-26635 ross leaks c14 N71-26672 c09 N71-26678 er for c14 N71-27090 nt
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material Patent [NASA-CASE-XGS-02435] c18 N71-22998	Micro-pound extended range thrust stand Patent
[NASA-CASE-XGS-02435] c18 N71-22998 Digital telemetry system Patent	[NASA-CASE-GSC-10710-1] c28 N71-27094 Synchronous dc direct drive system Patent
[NASA-CASE-XGS-01812] c07 N71-23001	[NASA-CASE-GSC-10065-1] c10 N71-27136
Bonded elastomeric seal for electrochemical cells Patent	Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-XGS-02631] CO3 N71-23006	[NASA-CASE-GSC-10220-1] C07 N71-27233
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized	Gravity gradient attitude control system Patent
satellite Patent	[NASA-CASE-GSC-10555-1] c21 N71-27324 Magnetic bearing Patent Application
[NASA-CASE-XGS-02607]	[NASA-CASE-GSC-11079-1] c21 N71-28461
Complementary regenerative switch Patent [NASA-CASE-XGS-02751] c09 N71-23015	Segmented superconducting magnet for a broadband traveling wave maser Patent
Solid state pulse generator with constant output	[NASA-CASE-XGS-10518] c16 N71-28554
width, for variable input width, in nanosecond range Patent	Millimeter wave antenna system Patent Application
[NASA-CASE-XGS-03427] c10 N71-23029	[NASA-CASE-GSC-10949-1] c07 N71-28965 Sampled data controller Patent
Sidereal frequency generator Patent [NASA-CASE-XGS-02610] c14 N71-23174	[NASA-CASE-GSC-10554-1] c08 N71-29033
[NASA-CASE-IGS-02610] c14 N71-23174 Solar cell and circuit array and process for	Variable digital processor including a register for shifting and rotating bits in either
nullifying magnetic fields Patent	direction Patent
[NASA-CASE-XGS-03390] c03 N71-23187 Passive synchronized spike generator with high	[NASA-CASE-GSC-10186] c08 N71-33110 Processes for making sheets with parallel pores
input impedance and low output impedance and	of uniform size
capacitor power supply Patent [NASA-CASE-XGS-03632] c09 N71-23311	[NASA-CASE-GSC-10984-1] c15 N71-34427
Sealed electrochemical cell provided with a	Combustion products generating and metering device [NASA-CASE-GSC-11095-1] c14 N72-10375
flexible casing Patent	Analog spatial maneuver computer
[NASA-CASE-XGS-01513] c03 N71-23336 Digitally controlled frequency synthesizer Patent	[NASA-CASE-GSC-10880-1] c08 N72-11172 Helical recorder arrangement for multiple
[NASA-CASE-XGS-02317] c09 N71-23525	channel recording on both sides of the tape
Radio frequency coaxial high pass filter Patent [NASA-CASE-XGS-01418] c09 N71-23573	[NASA-CASE-GSC-10614-1] c09 N72-11224
Apparatus for phase stability determination Patent	Method and apparatus for eliminating coherent noise in a coherent energy imaging system
[NASA-CASE-XGS-01118] c10 N71-23662	without destroying spatial coherence
Tape recorder Patent [NASA-CASE-IGS-08259] c14 N71-23698	[NASA-CASE-GSC-11133-1] c23 N72-11568 Position location system and method
Balance torquemeter Patent	[NASA-CASE-GSC-10087-3] CO7 N72-12080
[NASA-CASE-XGS-01013] c14 N71-23725 Mechanical actuator Patent	Pacsimile video remodulation network
[NASA-CASE-XGS-04548] c15 N71-24045	Frangible electrochemical cell
	[NASA-CASE-XGS-10010] C03 N72-15986

Caterpillar micro positioner	Image tube
[NASA-CASE-GSC-10780-1] c14 N72-16283 Minimech self-deploying boom mechanism	[NASA-CASE-GSC-11602-1] c09 N73-13214 Apparatus for vibrational testing of articles
[NASA-CASE-GSC-10566-1] C15 N72-18477	[NASA-CASE-GSC-11302-1] c14 N73-13416
Heated porous pluq microthrustor [NASA-CASE-GSC-10640-1] c28 N72-18766	Method and system for ejecting fairing sections
Optimum performance spacecraft solar cell system	from a rocket vehicle [NASA-CASE-GSC-10590-1] c31 N73-14853
[NASA-CASE-GSC-10669-1] c03 N72-20031	Ultra-stable oscillator
Monostable multivibrator [NASA-CASE-GSC-10082-1] c10 N72-20221	[NASA-CASE-GSC-11513-1] c09 N73-16185 Method and apparatus for checking fire detectors
Roll alignment detector	[NASA-CASE-GSC-11600-1] c14 N73-18436
[NASA-CASE-GSC-10514-1] C14 N72-20379	Plural beam antenna
Cosmic dust sensor [NASA-CASE-GSC-10503-1] c14 N72-20381	[NASA-CASE-GSC-11013-1] c09 N73-19234 Bonding of sapphire to sapphire by eutectic
Solenoid valve including quide for armature and	mixture aluminum oxide and zirconium oxide
valve member [NASA-CASE-GSC-10607-1]	[NASA-CASE-GSC-11577-1] c15 N73-19467 Star tracking reticles and process for the
Radiation hardening of MOS devices by boron	production thereof
[NASA-CASE-GSC-11425-1] c24 N72-20637	[NASA-CASE-GSC-11188-2] c21 N73-19630
Azimuth bearing system and method [NASA-CASE-GSC-11262-1] c16 N72-21503	Delayed simultaneous release mechanism [NASA-CASE-GSC-10814-1] c03 N73-20039
Fast response low power drain logic circuits	Doppler compensation by shifting transmitted
[NASA-CASE-GSC-10878-1] c10 N72-22236 Trap for preventing diffusion pump backstreaming	object frequency within limits [NASA-CASE-GSC-10087-4] c07 N73-20174
[NASA-CASE-GSC-10518-1] c15 N72-22489	Telemetry processor
Resistance soldering apparatus	[NASA-CASE-GSC-11388-1] c07 N73-24187
[NASA-CASE-GSC-10913] c15 N72-22491 Optical system support apparatus	Signal-to-noise ratio determination circuit [NASA-CASE-GSC-11239-1] c10 N73-25241
(NASA-CASE-XER-07896-2) C23 N72-22673	Nutation damper
SCR lamp driver	[NASA-CASE-GSC-11205-1] c15 N73-25513
[NASA-CASE-GSC-10221-1] c09 N72-23171 Potassium silicate zinc coatings	Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-10361-1] c18 N72-23581	[NASA-CASE-GSC-11358-1] c06 N73-26100
Synchronous orbit battery cycler [NASA-CASE-GSC-11211-1] c03 N72-25020	Method of detecting and counting bacteria in body fluids
Flavin coenzyme assay	[NASA-CASE-GSC-11092-2] c04 N73-27052
[NASA-CASE-GSC-10565-1] c06 N72-25149	Protein sterilization method of firefly
Location identification system [NASA-CASE-ERC-10324] c07 N72-25173	luciferase using reduced pressure and molecular sieves
A dc to ac to dc converter having transistor	[NASA-CASE-GSC-10225-1] c06 N73-27086
synchronous rectifiers [NASA-CASE-GSC-11126-1] c09 N72-25253	Process for making RF shielded cable connector assemblies and the products formed thereby
Tungsten contacts on silicon substrates	[NASA-CASE-GSC-11215-1] c09 N73-28083
[NASA-CASE-GSC-10695-1] c09 N72-25259	Device for determining relative angular position
Bacterial contamination monitor [NASA-CASE-GSC-10879-1] c14 N72-25413	between a spacecraft and a radiation emitting celestial body
Honeycomb panels formed of minimal surface	[NASA-CASE-GSC-11444-1] c14 N73-28490
periodic tubule layers [NASA-CASE-ERC-10364] c18 N72-25540	Microscope multi-angle, reflection, viewing adaptor and photographic recording system
Honeycomb core structures of minimal surface	[NASA-CASE-GSC-11690-1] c14 N73-28499
tubule sections	Pastener stretcher
[NASA-CASE-ERC-10363] c18 N72-25541 Gunn-type solid state devices	[NASA-CASE-GSC-11149-1] c15 N73-30457 Spacecraft attitude sensor
[NASA-CASE-XER-07895] c26 N72-25679	[NASA-CASE-GSC-10890-1] c21 N73-30640
Use of unilluminated solar cells as shunt diodes for a solar array	Recorder/processor apparatus [NASA-CASE-GSC-11553-1] c07 N73-31089
[NASA-CASE-GSC-10344-1] c03 N72-27053	Digital phase locked loop
Air conditioning system and component therefore	[NASA-CASE-GSC-11623-1] c10 N73-31202
distributing air flow from opposite directions [NASA-CASE-GSC-11445-1] c15 N72-28503	Automatic instrument for chemical processing to detect microorganism in biological samples by
Active tuned circuit	measuring light reactions
[NASA-CASE-GSC-11340-1] c10 N72-33230 Apparatus for controlling the temperature of	[NASA-CASE-GSC-11169-2] c05 N73-32011 Radiation hardening of MOS devices by boron
balloon borne equipment	[NASA-CASE-GSC-11425-2] c09 N73-32114
[NASA-CASE-GSC-11620-1] c14 N72-33379 Electric motive machine including magnetic bearing	Dish antenna having switchable beamwidth
	[NASA-CASE-GSC-11760-1] c09 N73-32116
[NASA-CASE-XGS-07805] c15 N72-33476	Alphanumeric character generator for oscilloscopes
Cosmic dust or other similar outer space	Alphanumeric character generator for oscilloscopes [NASA-CASE-GSC-11582-1] c09 N73-32120
Cosmic dust or other similar outer space particles impact location detector	[NASA-CASE-GSC-11582-1] c09 N73-32120 Star tracking reticles
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the	[NASA-CASE-GSC-11582-1] CO9 N73-32120
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 NATIONAL ARRONAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the	[NASA-CASE-GSC-11582-1]
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon and gondola	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 NATIONAL ABRONAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 HATIONAL AERONAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BRACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly Patent
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-1129-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon and gondola [NASA-CASE-GSC-11077-1] c02 N73-13008 Diffuse reflective coating [NASA-CASE-GSC-11214-1] c06 N73-13128	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 NATIONAL ABRONAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985] C15 N71-10782 Parasitic probe antenna Patent
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon and gondola [NASA-CASE-GSC-11077-1] c02 N73-13008 Diffuse reflective coating [NASA-CASE-GSC-11214-1] c06 N73-13128 Data processor with conditionally supplied clock	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11188-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 HATIONAL AERONAUTICS AND SPACE ADMINISTRATION. JOHN F. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985] Parasitic probe antenna Patent [NASA-CASE-XKS-09348] C09 N71-13521
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-1129-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon and gondola [NASA-CASE-GSC-11077-1] c02 N73-13008 Diffuse reflective coating [NASA-CASE-GSC-11214-1] c06 N73-13128	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 NATIONAL ABRONAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985] C15 N71-10782 Parasitic probe antenna Patent [NASA-CASE-XKS-09348] C09 N71-13521 Electronic Checkout system for space vehicles
Cosmic dust or other similar outer space particles impact location detector [NASA-CASE-GSC-11291-1] c25 N72-33696 Star tracking reticles process for the production thereof [NASA-CASE-GSC-11188-3] c14 N73-10460 Star scanner [NASA-CASE-GSC-11569-1] c14 N73-11404 Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1] c21 N73-11680 Method and apparatus for determining the contents of contained gas samples [NASA-CASE-GSC-10903-1] c14 N73-12444 System for stabilizing torque between a balloon and qondola [NASA-CASE-GSC-11077-1] c02 N73-13008 Diffuse reflective coating [NASA-CASE-GSC-11214-1] c06 N73-13128 Data processor with conditionally supplied clock signals	[NASA-CASE-GSC-11582-1] C09 N73-32120 Star tracking reticles [NASA-CASE-GSC-11188-1] C14 N73-32320 Peen plating [NASA-CASE-GSC-11163-1] C15 N73-32360 A dually mode locked Nd:YAG laser [NASA-CASE-GSC-11746-1] C16 N73-32398 Structural heat pipe [NASA-CASE-GSC-11619-1] C33 N73-32828 HATIONAL ABROMAUTICS AND SPACE ADMINISTRATION. JOHN P. KENNEDY SPACE CENTER, COCOA BEACH, FLA. Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495] C14 N69-39785 Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985] C15 N71-10782 Parasitic probe antenna Patent [NASA-CASE-XKS-09348] C09 N71-13521 Electronic checkout system for space vehicles

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	1-19493	[NASA-CASE-KSC-10782-1]	c07 N73-32063
Valve seat with resilient support member Pat [NASA-CASE-XKS-02582] c15 N7	1-21234	Lightning tracking system [NASA-CASE-KSC-10729-1]	c09 N73-32110
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[NASA-CASE-XKS-03381] c09 N7 Optical monitor panel Patent	1-22796	fields inside electrified clouds [NASA-CASE-KSC-10730-1]	c14 N73-32318
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Separation simulator Patent [NASA-CASE-XKS-04631] c10 N7	1-23663	ANGLEY RESEARCH CENTER, LANGLEY STATION Jet shoes	ON, VA.
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[NASA-CASE-XKS-03338] c15 N7 Phonocardiogram simulator Patent	1-24043	Condenser - Separator [NASA-CASE-XLA-08645]	c15 N69-21465
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VHF/UHF parasitic probe antenna Patent [NASA-CASE-XKS-09340] c07 N7	1-24614	[NASA-CASE-XLA-01288] A support technique for vertically of	c09 N69-21470
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[NASA-CASE-XKS-06167] c08 N7 ⁻ Planmability test chamber Patent	1-24890	[NASA-CASE-XLA-02704] Electromagnetic mirror drive system	c11 N69-21540
[NASA-CASE-KSC+10126] c11 N7	1-24985	[NASA-CASE-XLA-03724]	c14 N69-27461
Video sync processor Patent [NASA-CASE-KSC-10002] c10 N7:	1-25865	Evaporant holder [NASA-CASE-XLA-031C5]	-15 N/O 27402
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[NASA-CASE-XKS-10543] c07 N71 Internal work light Patent	1-26292	Patique-resistant shear pin	45 960 08545
	1-26787	[NASA-CASE-XLA-09122] Ablation sensor	c15 N69-27505
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[NASA-CASE-KSC-10164] c07 N71 Ripple indicator	1-33108	Capacitor power pak Patent Applicat [NASA-CASE-LAR-10367-1]	c03 N70-26817
	2 -1 1225	Disk pack cleaning table Patent App	olication
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[NASA-CASE-KSC-10397] c08 N72 Lamp modulator	2-25206 .	[NASA-CASE-XLA-00221] Plasma accelerator Patent	c02 N70-33266
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[NASA-CASE-XLE-00455] c28 N70-38197 Method of making fiber reinforced metallic
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MASA-CASE-XLE-01533] c11 N71-10777 Meteoroid sensing apparatus having a coincidence
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Generator for a space power system Patent	Method of attaching a co solar cell Patent
[NASA=CASE=YLE=04250] C09 N/1=20440	[NASA-CASE-XLE-08569-2
Method of making electrical contact on silicon solar cell and resultant product Patent	Rocket engine injector
[NASA-CASE-XLE-04787] CO3 N71-20492	[NASA-CASE-XLE-03157] Multialarm summary alarm
Small plasma probe Patent	[NASA-CASE-XLE-03061-1
[NASA-CASE-XLE-02578] C25 N/1-20/4/ Combined electrolysis device and fuel cell and	Apparatus for making cur
method of operation Patent	[NASA-CASE-XLE-08917-2
[Nasa-Case-XLE-01645] CO3 N/1-20904	Flow angle sensor and re [NASA-CASE-XLE-04503]
Pressure monitoring with a plurality of ionization gauges controlled at a central	Shock tube powder disper
location Patent	[NASA-CASE-XLE-04946]
rnasa-case-xle-007871 c14 N71-21090	Pneumatic oscillator Pa [NASA-CASE-LEW-10345-1
Control of transverse instability in rocket	Heat activated cell with
combustors Patent [NASA-CASE-XLE-04603] c33 N71-21507	salt electrolyte Pate
High voltage divider system Patent	[NASA-CASE-LEW-11358] Method of producing refi
[NASA-CASE-XLE-02008] C09 N71-21583 Plasma device feed system Patent	containing tantalum ca
CNASA = CASR=YTE=02902] C25 N/1=21094	and hafnium boride Pa
Burning rate control of solid propellants Patent	[NASA-CASE-XLE-03940] Ion beam deflector Pate
[NASA-CASE-XLE-03494] c27 N71-21819 Protective device for machine and metalworking	[NASA-CASE-LEW-10689-
tools Patent	Rolling element bearing:
[NASA-CASE-XLE-01092] c15 N71-22797	[NASA-CASE-XLE-09527-2 Ion thruster accelerator
Cryoqenic insulation system Patent	[NASA-CASE-LEW-10106-
[NASA-CASE-XLE-04222] C23 N71-22881 Method for producing fiber reinforced metallic	Propellant feed isolator
composites Patent	[NASA-CASE-LEW-10210- Heat activated cell Pa
[NASA-CASE-XLE-03925] c18 N71-22894 Thermal shock apparatus Patent	[NASA-CASE-LEW-11359]
I NASA-CASE-XI.E-020241 C14 N71-22964	Process for glass coati
Arc electrode of graphite with ball tip Patent	qrid Patent [NASA-CASE-LEW-10278-
[NASA-CASE-XLE-04788] c69 N71-22987	Fluid jet amplifier Pa
Gas purged dry box glove Patent [NASA-CASE-XLE-02531] c05 N71-23080	[NASA-CASE-XLE-09341]
Automatic recording McLeod gauge Patent	Gas core nuclear reacto [NASA-CASE-LEW-10250-
[NASA-CASE-XLE-03280] c14 N71-23093 Electronic cathode having a brush-like structure	Gas turbine combustor
and a relatively thick oxide emissive coating	[NASA-CASE-LEW-10286-
Patent	Cyclic switch Patent [NASA-CASE-LEW-10155-
[NASA-CASE-XLE-04501] C09 N71-23190 High temperature ferromagnetic cobalt-base alloy	Silicon solar cell arra
Patent	[NASA-CASE-LEW-11069-
INASA-CASE-XI.E-036291 C17 N71-23248	Temperature reducing co to flame exposure Pa
Induction furnace with perforated tungsten foil shielding Patent	[NASA-CASE-XLE-00035]
FNASA-CASE-YLE-040261 C14 N71-23267	Liquid spray cooling me
Gd or Sm doped silicon semiconductor composition	[NASA-CASE-XLE-00027] Turbo-machine blade vib
Patent [NASA-CASE-XLE-10715] c26 N71-23292	[NASA-CASE-XLE-00155]
Protection of serially connected solar cells	Corrosion resistant ber
against open circuits by the use of shunting	Airflow control system
diode Patent [NASA-CASE-XLE-04535] c03 N71-23354	[NASA-CASE-LEW-11188-
Superconducting alternator Patent	High powered arc electr
· [NASA-CASE-XIE-02823] c09 N71-23443 Silicon solar cell with cover glass bonded to	Deposition of alloy fil
cell by metal pattern Patent	[NASA-CASE-LEW-11262-
f NASA-CASE-XLE-085691 C03 N71-23449	A protected isotope hea [NASA-CASE-LEW-11227-
Analytical test apparatus and method for determining oxide content of alkali metal Patent	Multiple fan integrated
CNASA_CASE_YLE=01997] CU6 N/1=2302/	[NASA-CASE-LEW-11224-
Thermionic converter with current augmented by	Attaching cover quasses [NASA-CASE-LEW-11065-
self induced magnetic field Patent	Integrated thermoelecti
[NASA-CASE-XLE-01903] c22 N71-23599 Semiconductor material and method of making same	antenna combination
Patent	[NASA-CASE-XER-09521 Sensing probe
[NASA-CASE-XLE-02798] C26 N71-23654	[NASA-CASE-LEW-10281-
Insulation system Patent [NASA-CASE-XLE-02647] c18 N71-23658	method of making emf co
Self-lubricating fluoride metal composite	[NASA-CASE-LEW-11359- Isolated amplifier for
materials Patent	electrical signals w
Alloys for bearings Patent	common mode potentia
CNASA-CASE-XLE-050331 C15 N/1-23810	[NASA-CASE-XLE-03155 Flectromagnetic flow r
Extrusion die for refractory metals Patent [NASA-CASE-XLE-06773] c15 N71-23817	[NASA-CASE-LEW-10981
Combustion chamber Patent	Gaseous control system
FNACA-CASE-YIE-048571 C28 N71-23968	[NASA-CASE-XLE-04599 Supersonic combustion
Metallic film diffusion for boundary lubrication	(NASA-CASE-LEW-11058
Patent [NASA-CASE-XLE-10337] c15 N71-24046	Supersonic fan blading
Process for producing dispersion strengthened	[NASA-CASE-LEW-11402 Switching regulator
nickel with aluminum Patent	[NASA-CASE-LEW-11005
Thermal radiation shielding Patent	Journal bearings
[NASA-CASE-XLE-03432] c33 N71-24145	[NASA-CASE-LEW-11076

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ead out system Patent
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th alkali anode and alkali
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                     or system Patent
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Method of forming superalloys	Rocket chamber and method of making
[NASA-CASE-LEW-10805-2] c15 N72-21485 Method and apparatus for controlling thermal	[NASA-CASE-LEW-11118-1] C15 N72-32501
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[NASA-CASE-XLE-05799] c22 N72-21644 Saturation current protection apparatus for	Production of high purity I-123
saturable core transformers	[NASA-CASE-LEW-10518-1] c24 N72-33681 Improved diffusion welding
[NASA-CASE-ERC-10075-2] c09 N72-22196	[NASA-CASE-LEW-11388-2] c15 N73-10500
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[NASA-CASE-LEW-10387] c09 N72-22201 Load-insensitive electrical device	NASA-CASE-LEW-11192-11
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High speed rolling element bearing	NASA-CASE-XLE-05230-2] c14 N73-13417 Method of forming superalloys
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Ion thruster magnetic field control	[NASA-CASE-LEW-11672-1] c15 N73-14479 Gas turbine exhaust nozzle
[NASA-CASE-LEN-10835-1] c28 N72-22771	[NASA-CASE-LEW-11569-1] C28 N73-14792
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[NASA-CASE-LEW-10906-1] c06 N72-25164 Analog Signal to Discrete Time Interval	Gas turbine engine fuel control
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Hall effect magnetometer	[NASA-CASE-LEW-11286-1] CO2 N73-21066
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[NASA-CASE-LEW-10489-1] c15 N72-25447	[NASA-CASE-LEW-11484-1] c15 N73-22415 Improved coatings for refractory metals
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[NASA-CASE-LEW-10533-2] c15 N72-25479 Aluminized nickel coatings for nickel-base	Controlled separation combustor
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[NASA-CASE-LEW-11348-1] c17 N72-25517 Method of making fiber composites	[NASA-CASE-LEW-10359-2]
[NASA-CASE-LEW-10424-2-2] c18 N72-25539	Covered silicon solar cells [NASA-CASE-LEW-11065-2] c03 N73-26048
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[NASA-CASE-LEW-10330-1] C09 N72-27226	[NASA-CASE-LEW-11669-1] c05 N73-27062 Rocket propellant injection
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Spiral groove seal [NASA-CASE-XLE-10326-2] c15 N72-29488 High current electrical leads	Low mass rolling element for bearings [NASA-CASE-LEW-11087-1] c15 N73-30458
Spiral groove seal [NASA-CASE-XLE-10326-2] High current electrical leads [NASA-CASE-LEW-10950-1] CO9 N72-31239	Low mass rolling element for bearings [NASA-CASE-LEW-11087-1] c15 N73-30458 Swirl can primary combustor [NASA-CASE-LEW-11326-1] c23 N73-30665
Spiral groove seal [NASA-CASE-XLE-10326-2] c15 N72-29488 High current electrical leads [NASA-CASE-LEW-10950-1] c09 N72-31239 Method of making rolling elements for bearings [NASA-CASE-LEW-11087-2] c15 N72-31491	LOW mass rolling element for bearings [NASA-CASE-LEW-11087-1] c15 N73-30458 Swirl can primary combustor [NASA-CASE-LEW-11326-1] c23 N73-30665 Ophthalmic liquefaction pump [NASA-CASE-LEW-12051-1] c04 N73-32000
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Bigh speed bybrid bearing comprising a fluid	Gravity stabilized flying vehicle Patent
bearing and a rolling bearing convected in	I NASA-CASE-MSC-12111-11 602 x71-11020
Series	Helmet assembly and latch means therefor Patent
[NASA-CASE-LEW-11152-1] c15 N73-32359 Nickel aluminide coated low alloy stainless steel	[NASA-CASE-XMS-04935] CO5 N71-11190
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[NASA-CASE-LEW-11015] c26 N73-32571 Space vehicle with artificial gravity and	Dynamic Doppler simulator Patent [NASA-CASE-XMS-05454-1] c07 N71-12391
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[NASA-CASE-LEW-11101-1] c31 N73-32750 Production of hollow components for rolling	[NASA-CASE-MSC-12135-1] c09 N71-12526
element bearings by diffusion welding	High voltage pulse generator Patent
[NASA-CASE-LEW-11026-1] c15 N73-33383	[NASA-CASE-MSC-12178-1] c09 N71-13518 Process for conditioning tanned sharkskin and
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.	articles made therefrom Patent
LYNDON B. JOHNSON SPACE CENTER, HOUSTON, TEX. Coupling device	[NASA-CASE-XMS-09691-1] c18 N71-15545
[NASA-CASE-XMS-07846-1] c09 N69-21927	Ablation structures Patent [NASA-CASE-XMS-01816] c33 N71-15623
Flow test device	[NASA-CASE-XMS-01816] c33 N71-15623 Fluid power transmission Patent
[NASA-CASE-XMS-04917] c14 N69-24257 Visual target for retrofire attitude control	[NASA-CASE-XMS-01445] c12 N71-16031
[NASA-CASE-XMS-12158-1]	Spacecraft radiator cover Patent [NASA-CASE-MSC-12049] c31 N71-16080
System for monitoring signal amplitude ranges	Method of improving heat transfer
[NASA-CASE-XMS-04061-1] CC9 N69-39885 Amplifier drift tester	characteristics in a nucleate boiling process
[NASA-CASE-XMS-05562-1] c09 N69-39986	Patent
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[NASA-CASE-MSC-12259-1] c07 N70-12616 Anti-static film laminate Patent Application	Biological isolation garment Patent
[NASA-CASE-MSC-12255-1] c18 N70-20713	[NASA-CASE-MSC-12206-1] c05 N71-17599 Metal valve pintle with encapsulated elastomeric
Two-step rocket engine bipropellant valve Patent	body Patent
[NASA-CASE-XMS-04890-1] c15 N70-22192 Heat shield Patent	[NASA-CASE-HSC-12116-1] c15 N71-17648
[NASA-CASE-XMS-00486] c33 N70-33344	Method for forming plastic materials Patent [NASA-CASE-XMS-05516] c15 N71-17803
Life raft Patent	[NASA-CASE-XMS-05516] c15 N71-17803 Flexible blade antenna Patent
[NASA-CASE-XMS-00863] CC5 N70-34857 Shock absorbing support and restraint means Patent	[NASA-CASE-MSC-12101] CO9 N71-18720
[NASA-CASE-XMS-01240] C05 N70-35152	Space suit heat exchanger Patent [NASA-CASE-XMS-09571] c05 N71-19439
Improved method for curing single component	[NASA-CASE-XMS-09571] c05 N71-19439 Light intensity modulator controller Patent
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[NASA-CASE-MSC-12279-1] c15 N70-35679	[NASA-CASE-MSC-10966] c14 N71-19568 High temperature compositions Patent
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[NASA-CASE-XMS-00259] c18 N70-36400 Life preserver Patent	Radiation detector readout system Patent
[NASA-CASE-XMS-00864] C05 N70-36493	[NASA-CASE-XMS-03478] c14 N71-21040 Subgravity simulator Patent
Resuscitation apparatus Patent	[NASA-CASE-XMS-04798] c11 N71-21474
[NASA-CASE-XMS-01115] c05 N70-39922 Inflatable radar reflector unit Patent	Shock absorber Patent
[NASA-CASE-XMS-00893] c07 N70-40063	[NASA-CASE-XMS-03722] c15 N71-21530 Apparatus for machining geometric cones Patent
Measuring device Patent	[NASA-CASE-XMS-04292] c15 N71-22722
[NASA-CASE-XMS-01546] c14 N70-40233 Liquid-qas separator for zero gravity	Rescue litter flotation assembly Patent
environment Patent	[NASA-CASE-XMS-04170] c05 N71-22748
[NASA-CASE-XMS-01492] c05 N70-41297	Aligning and positioning device Patent [NASA-CASE-XMS-04178] c15 N71-22798
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[NASA-CASE-XMS-01906] c31 N70-41373 Hypersonic reentry vehicle Patent	Digital cardiotachometer system Patent
[NASA-CASE-XMS-04142] c31 N70-41631	NASA-CASE-XMS-023991
Angular accelerometer Patent	Phonocardiograph transducer Patent [NASA-CASE-IMS-05365] C14 N71-22993
[NASA-CASE-XMS-05936] c14 N70-41682	Multiple environment materials test chamber
Indexed keyed connection Patent [NASA-CASE-XMS-02532] c15 N70-41808	having a multiple port Y-ray tube for
Discrete local altitude sensing device Patent	irradiating a plurality of samples Patent [NASA-CASE-XMS-02930] C11 N71-23042
[NASA-CASE-XHS-03792] c14 N70-41812	Soft frame adjustable eyeglasses Patent
Cryogenic storage system Patent [NASA-CASZ-XMS-C4390] c31 N70-41871	[NASA-CASE-XMS-06064] COS N71-23006
NASA-CASE-XMS-C4390 c31 N70-41871 Mass measuring system Patent	Blood pressure measuring system for senarating
[NASA-CASE-XMS-03371] c05 N70-42000	and separately recording dc signal and an ac signal Patent
Line cutter Patent [NASA-CASE-XMS-04072] c15 N70-02017	[NASA-CASE-XMS-06061] c05 N71-23317
Transpirationally cooled heat ablation system	Signal ratio system utilizing voltage controlled
Patent	oscillators Patent [NASA-CASE-XMF-04367] c09 N71-23545
[NASA-CASE-XMS-02677] c31 N70-42075	Winch having cable position and load indicators
Voltage-current characteristic simulator Patent [NASA-CASE-XMS-G1554] c10 N71-10578	Patent
Training vehicle for controlling attitude Patent	[NASA-CASE-MSC-12052-1] c15 N71-24599 Radar antenna system for acquisition and
[NASA-CASE-XMS-02977] c11 N71-10746	tracking Patent
	[NASA-CASE-XMS-09610] c07 N71-24625

Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c05 N71-24728 Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c09 B71-24842
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] C15 N/1-259/5
Plated electrodes Patent [NASA-CASE-XMS-04213-1] c09 N71-26002
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[NASA-CASE-MSC-12223-1] CU/ N/1-20101
Fabric for micrometeoroid protection garment
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[NASA-CASE-MSC-12109] C18 N71-26285 Antenna array phase guadrature tracking system
Patent
f NASA-CASE-MSC-12205-1] CO7 N71-27056
Radiometric temperature reference Patent [Nach-CASR-MSC-13276-1] c14 N71-27058
Phenmatic amplifier Patent
[NASA-CASE-HSC-12121-1] C15 B/1-2/14/
Orbital escape device Patent
MASA-CASE-AUS OCTOL)
Inflatable tether Patent [NASA-CASE-XMS-10993] c15 N71-28936
Ion-exchange membrane with platinum electrode
assembly Patent
(NASA-CASE-XMS-02063] C03 N71-29044 Oxygen production method and apparatus
[NASA-CASE-MSC-12332-1] c15 N72-15476
Color television system
[NASA-CASE-MSC-12146-1] CO7 N72-17109
Current dependent filter inductance
[NASA-CASE-ERC-10139] C09 N/2-1/154 Low onset rate energy absorber
[NASA-CASE-MSC-12279] C15 N/2-1/450
Stand-off type ablative heat shield
Multifunction audio digitizer [NASA-CASE-MSC-13855-1] c07 N72-20157
Method and apparatus for obtaining oxygen from
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[NASA-CASE-MSC-12408-1] c13 N72-20355
Photographic film restoration system [NASA-CASE-MSC-12448-1] c14 N72-20394
Optical range finder having nonoverlapping
complete images
[NASA-CASE-MSC-12105-1] c14 N72-21409
Open type urine receptacle [NASA-CASE-MSC-12324-1] c05 N72-22093
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[NASA-CASE-MSC-12395] CO9 N/2-2525/
Foldable construction block [NASA-CASE-MSC-12233-1] c15 N72-25454
Method and apparatus for detecting surface ions
on silicon diodes and transistors
[NASA-CASE-ERC-10325] c15 N72-25457
Chemical laser [NASA-CASE-MSC-10986-2] c16 N72-25489
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] C31 N/2-25642
Burn rate testing apparatus
[NASA-CASE-XMS-09690] C33 N/2-25913 Pulse code modulated signal synchronizer
FNASA_CASP=MSC=12462=11
System for improving signal-to-noise ratio of a
communication signal
[NASA-CASE-MSC-12259-2] c07 N72-33146 Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c07 N73-11142
Latch mechanism
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Digital communication system [NASA-CASE-MSC-13912-1] c07 N73-12151
Altitude measuring system
[NASA-CASE-ERC-10412-1] C09 N73-12211
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to
earth
[NASA-CASE-MSC-12391] c30 N73-12884
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c23 N73-13661 Foldable construction block
[NASA-CASE-MSC-12233-2] c32 N73-13921
Space shuttle vehicle and system
CNASA-CASE-MSC-12433] C31 N73-14854
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c07 N73-16132
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Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c07 N73-16132
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c08 N73-16163 Binary concatenated coding system
[NASA-CASE-MSC-14082-1] COS N73-16163
Reconstituted asbestos matrix
[NASA-CASE-MSC-12568-1] c18 N73-16577
Reconstituted asbestos matrix [NASA-CASE-MSC-12568-1] c18 N73-16577
Method and device for detection of surface
discontinuities or defects
[NASA-CASE-MSC-14187-1] c14 N73-17564
Three axes controller [NASA-CASE-MSC-12394-1] c03 N73-20041
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] C05 N73-22045
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c10 N73-25240
Life raft stabilizer
(NASA-CASE-MSC-12393-1] c02 N73-26006 On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c14 N73-26431
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] C31 N73-26879
Powerplexer
[NASA-CASE-MSC-12396-1] CO3 N73-31988 Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] CO5 N73-32014
Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] CO8 N73-32081 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MANNED SPACECRAPT CENTER, CAPE CANAVERAL, FLA.
Flectrode for biological recording
F NA SA = CASE = YMS = 02872 1 CUD NO9 = 21,925
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. HANNED SPACECRAFT CENTER, LANGLEY STATION, VA.
Plural recorder system
[NASA-CASE-XMS-06949] C09 N69-21467
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MARSHALL SPACE PLIGHT CENTER, HUNTSVILLE, ALA. Hand cutter and sealer for fusible fabrics
f NASA-CASE-XMF-093861 C15 N69-21854
Electrical feed-through connection for printed
circuit boards and printed cable
[NASA-CASE-XMF-01483] c14 N69-27431 Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] C06 N69-39733
Electrical connector Patent Application [NASA-CASE-MFS-14741] c09 N70-20737
[NASA-CASE-MFS-14741] c09 N70-20737 Angular measurement system Patent
[NASA-CASE-XMF-00447] C14 N/0-331/9
Insulating structure Patent
[NASA-CASE-XMF-00341] c15 N70-33323 Space vehicle electrical system Patent
[NASA-CASE-XHF-00517] C03 N70-34157
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] C31 N70-34159
Gimbaled, partially submerged rocket nozzle Patent [NASA-CASE-XMF-01544] c28 N70-34162
Recoverable rocket vehicle Patent
[NASA-CASE-XMP-00389] c31 N70-34176
Electrical discharge apparatus for forming Patent [NASA-CASE-XMF-00375] c15 N70-34249
Ontical inspection apparatus Patent
[NASA-CASE-XMP-00462] C14 N/0-34298
Relay binary circuit Patent
[NASA-CASE-XMF-00421] C09 N70-34502 Attitude and propellant flow control system and .
method Patent
[NASA-CASE-XHF-00185] c21 N70-34539
Electrical connector for flat cables Patent [NASA-CASE-XMF-00324] c09 N70-34596
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] C15 N/U-34664
Force measuring instrument Patent
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] C14 N70-34794
Electric arc welding Patent
[NASA-CASE-XMF-00392] c15 N70-34814 Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] C31 N70-36410
Printed cable connector Patent
rnasa-case-xmf-003691 c09 N70-36494
Landing pad assembly for aerospace vehicles Patent [NASA-CASE-XMF-02853] c31 N70-36654
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Electric arc driven wind tunnel Patent	Method of making a molded connector Patent
[NASA-CASE-XMF-00411] c11 N70-36913	[NASA-CASE-IMF-03498] c15 N71-15986
Gravity device Patent [NASA-CASE-XMF-00424] c11 N70-38196	Regenerative braking system Patent
[NASA-CASE-XMF-00424] c11 N70-38196 Injector for bipropellant rocket engines Patent	[NASA-CASE-XMF-01096] c10 N71-16030
[NASA-CASE-XMF-00148] C28 N70-38710	Condition and condition duration indicator Patent [NASA-CASE-XMF-01097] C10 N71-16030
Electronic motor control system Patent	Method and apparatus for securing to a
[NASA-CASE-XHF-01129] c09 N7G-38712	spacecraft Patent
Slosh suppressing device and method Patent [NASA-CASE-XMF-C0658] C12 N70-38997	[NASA-CASE-MFS-11133] c31 N71-16222
[NASA-CASE-XMF-C0658] c12 N70-38997 Air bearing Patent	method and apparatus of simulating zero gravity
[NASA-CASE-XMF-00339] c15 N70-39896	Conditions Patent
Instrument support with precise lateral	[NASA-CASE-MFS-12750] c27 N71-16223 Passive optical wind and turbulence detection
adjustment Patent	system Patent
[NASA-CASE-XMF-00480] c14 N70-39898 Segmented back-up bar Patent	[NASA-CASE-XMF-14032] C20 N71-16340
[NASA-CASE-XMF-00640] c15 N70-39924	Serpentuator Patent
Collapsible loop antenna for space vehicle Patent	[NASA-CASE-XMF-05344] c31 N71-16345
[NASA-CASE-XMF-00437] c07 N70-40202	Gravimeter Patent [NASA-CASE-XMF-05844] C14 N71-17587
Flexible back-up bar Patent	NASA-CASE-XMF-05844] c14 N71-17587 High pressure qas filter system Patent
[NASA-CASE-XMF-00722] c15 N70-40204 Blectro-optical alignment control system Patent	[NASA-CASE-MFS-12806] C14 N71-17500
[NASA-CASE-XMF-00908] C14 N70-40238	Burst diaphragm flow initiator Patent
Missile launch release system Patent	[NASA-CASE-MFS-12915] c11 N71-17600
[NASA-CASE-XMF-03198] c30 N70-40353	Vacuum deposition apparatus Patent [NASA-CASE-XMF-01667] c15 N71-17647
Double-acting shock absorber Patent	Quick disconnect latch and handle combination
[NASA-CASE-XHF-01045] c15 N70-40354 Portable alignment tool Patent	Patent
[NASA-CASE-XMF-01452] c15 N70-41371	[NASA-CASE-MFS-11132] c15 N71-17649
Device for suppressing sound and heat produced	Method and apparatus for precision sizing and
by high-velocity exhaust jets Patent	joining of large diameter tubes Patent [NASA-CASE-XMF-05114] c15 N71-17650
[NASA-CASE-XMF-01813] c28 N70-41582	Low temperature flexure fatigue cryostat Patent
Unfired-ceramic flame-resistant insulation and	[NASA-CASE-XMF-02964] C14 N71-17659
method of making the same Patent [NASA-CASE-XMF-01030] c18 N70-41583	Precision stepping drive Patent
Pulse counting circuit which simultaneously	[NASA-CASE-MFS-14772] c15 N71-17692
indicates the occurrence of the nth pulse Patent	Multi-mission module Patent [NASA-CASE-XMF-01543] C31 N71-17730
INASA-CASE-XMF-009061 C09 N70-#1655	Ratchet mechanism Patent
Support apparatus for dynamic testing Patent	[NASA-CASE-MFS-12805] C15 N71-17005
[NASA-CASE-XMF-01772] c11 N7C-41677 Locking device with rolling detents Patent	Method of making impurity-type semiconductor
[NASA-CASE-XMF-01371] C15 N70-41829	electrical contacts Patent
Tank construction for space vehicles Patent	[NASA-CASE-XMF-01016] c26 N71-17818 Apparatus for the determination of the existance
[NA SA - CASE - XNF - 01899] C31 N70 - 41948	or non-existence of a bonding between two
Accumulator Patent Application	members Patent
[NASA-CASE-MFS-10354] c12 N70-41976 Positive displacement flowmeter Patent	[NASA-CASE-MFS-13686] C15 N71-18132
[NASA-CASE-XMF-02822] c14 N70-4199h	Static inverters which sum a plurality of waves
Hydraulic support for dynamic testing Patent	Patent [NASA-CASE-XMF-00663] C08 N71-18752
I NASA-CASE-XMF-032481 c11 N71-10604	Space environmental work simulator Patent
Fiber optic vibration transducer and analyzer Patent	[NASA-CASE-XMF-07488] C11 N71-18773
FN3C3 CACH WHT COMPAN	Space manufacturing machine Patent
Method and means for damping nutation in a	[NASA-CASE-MFS-20410] C15 N71-19214
satellite Patent	Extensometer Patent [NASA-CASE-XMF-04680] C15 N71-19489
[NASA-CASE-XMF-00442] c31 N71-10747	Mechanical simulator of low gravity conditions
Heat pipe thermionic diode power system Patent [NASA-CASE-XMF-05843] CO3 N71-11055	Patent Patent
NASA-CASE-XHF-05843] C03 N71-11055 Synthesis of siloxane-containing epoxy polymers	[NASA-CASE-MFS-10555] c11 N71-19494
Patent	Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-13994-1] c06 N71-11240	[NASA-CASE-MFS-06074] c15 N71-20393
Bi-carrier demodulator with modulation Patent	Evaporant source for vapor deposition Patent [NASA-CASE-XMF-06065] c15 N71-20395
[NASA-CASE-XMF-01160] c07 N71-11298	Satellite despin device Patent
Harness assembly Patent [NASA-CASE-MFS-14671] c05 N71-12341	[NASA-CASE-XMF-08523]
[NASA-CASE-MFS-14671] cC5 N71-12341 Magnetic matrix memory system Patent	Bethod of coating circuit paths on printed
[NASA-CASE-XMF-058351	Circuit boards with solder Patent
Pulse amplitude and width detector Patent	[NASA-LAST-XMF-01599] C09 N71-20705 Elastomeric silazane polymers and process for
[NASA-CASE-XMF-06519] c09 N71-12519	preparing the same Patent
Microwave power receiving antenna Patent [NASA-CASE-HFS-20333] CO9 N71-13486	[NASA-CASE-XMF-04133] 006 N34-20343
Hybrid holographic system using reflected and	Method of producing alternating ether siloyane
transmitted object beams simultaneously Patent	Copolymers Patent
[NASA-CASE-MFS-20074] c16 N71-15565	[NASA-CASE-XMF-02584] c06 N71-20905 Honeycomb panel and method of making same Patent
Reactance control system Patent	1 NASA-CASE-XBF-014021 640 N74-04664
[NASA-CASE-XMF-01598] c21 N71-15583 Apparatus for welding torch angle and seam	Portable milling tool Patent
tracking control Patent	[NASA-CASE-XMF-03511] C15 N71-22700
[NASA-CASE-XMF-03287] c15 N71-15607	Energy absorbing device Patent
Multiway vortex valve system Patent	[NASA-CASE-XMF-10040] c15 N71-22877 Continuous detonation reaction engine Patent
[NASA-CASE-XMF-04709] C15 N71-15600	I NASA=CASE=XMF=069261
Injector assembly for liquid fueled rocket engines Patent	Adaptive tracking notch filter system Patent
FWASA-CASE VHE COCCA	I NASA-CASE-XMF-01892] c10 N71-22986
Space capsule ejection assembly Patent	Meteorological balloon Patent
[NASA-CASE-XMF-03169] c31 N71-15675	[NASA-CASE-XMF-04163] c02 N71-23007
Air cushion lift pad Patent	Continuous turning slip ring assembly Patent [NASA-CASE-XMF-01049] c15 N71-23049
[NASA-CASE-MFS-14685] c31 N71-15689	Automatic welding speed controller Patent
	[NASA-CASE-XMF-01730] c15 N71-23050

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Positive dc to positive dc converter Patent	Cryogenic thermal insulation Patent [NASA-CASE-XMF-05046] c33 N71-28892
CNASA-CASE-XMF-14301	Method of coating through-holes Patent
Zero gravity apparatus Patent c14 N71-23227 [NASA-CASE-XMF-06515]	[NASA-CASE-XMF-0599] c15 N71-29032 Response analyzers for sensors Patent
Positive do to negative do converter racent	FNASA-CASE-HFS-11204 C14 M71-23134
FNASA+CASE-XMF-0821/1	Current regulating voltage divider
Evacuation port seal Patent [NASA-CASE-XMF-03290] c15 N71-23256	[NASA-CASE-MPS-20935] c09 N71-34212 Graphite-reinforced aluminum composite and
agimuth lawing system Patent	+bod of proparing the Same
[NASA-CASE-XMF-01669] C21 N71-23289 Electron beam instrument for measuring electric	[NASA-CASE-MPS-21077] C10 M71-34302
fields Patent	Nuclear mass flowmeter [NASA-CASE-MFS-20485] c14 N72-11365
FN1C1 - C1CE-VMF-10.289 1 C14 B/1~23033	Vee notching device
[NASA-CASE-XMP-05224] Patent C14 N71-23726	MASE-CASE-UIS 20730)
Apparatus for testing a pressure responsive	Fine adjustment mount [NASA-CASE-MFS-20249] C15 N72-11386
instrument Patent	Method of making foamed materials in zero via 41297
NASA-CASE-Adir-04134]	hir bearing assembly for curved surfaces
F WA C A = C A S F = Y M F = 0 2.3 3.0	[NASA-CASE-MFS-20423] c15 N72-11388
NASA-CASE-XHF-07808) c15 N71-23812	Stud-bonding qun
welding skate with computerized control rates	[NASA-CASE-MFS-20299] C15 N/2-11392 Apparatus for obtaining isotropic irradiation of
[NASA-CASE-MF-07069] c15 N71-23815 Docking structure for spacecraft Patent	a specimen
CNACA_CASE-YMF-05941 C3: H7: 203:2	Bousdable space transportation system
High pressure helium purifier Patent	[NASA-CASE-MFS-21527] C31 R72-13701
"animontal cryostat for fatigue testing Patent	Wind tunnel test section CARCAST MRS = 205091 C11 N72-17183
5 11 C1 C1 C2 VMP 1 C68 1 C14 M/1 27237	[NASA-CASE-MFS-20509] C11 N/2-1/183 Multiple image storing system for high speed
Method for leakage testing of tanks Fatence	projectile holography
NASA-CASE-ANI 02572)	[NASA-CASE-MFS-20596] C14 N72-17324 Method of manufacturing semiconductor devices
	using refractory dielectrics
Pulse rise time and amplitude detector Patent [NASA-CASE-XMF-08804] c09 N71-24717	[NASA-CASE-XER-08476-1] c26 N72-17820 Underwater space suit pressure control regulator
	f waca_cacp_wrc=203327
predetermined speed utilizing didical reeducation	Three mirror glancing incidence system for X-ray
means Patent [NASA-CASE-XMF-06892] c09 N71-24805	telescope [NASA-CASE-MFS-21372] c14 N72-20397
Power system with heat pipe liquid coolant lines	Apparatus for making diamonds
Patent c09 N71-24807	[NASA-CASE-HFS-20698]
Magnetomotive metal working device Patent	Two speed drive system [NASA-CASE-MFS-20645] c15 N72-20463
[NASA-CASE-XMF-03793] c15 N71-24833 Apparatus for determining the deflection of an	An airlock
ologeron heam impinging on a talyet ratent	[NASA-CASE-MFS-20922] Photoetching of metal-oxide layers
CV3 C3 _C3 CR = YMP = (16.617)	C 112 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C
Transistor servo system including a unique differential amplifier circuit Patent	Beam lead integrated circuit package, and method
C 10 R71-24001	[NASA-CASE-MFS-21374] C10 N/2-212/4 Liquid aerosol dispenser
RC rate generator for slow speed measurement	CNASA-CASE-MPS-20829] C12 N/2-21310
Patent [NASA-CASE-XMF-02966] c10 N71-24863	Optical probing of supersonic flows with statistical correlation
Method and apparatus for precision sizing and joining of large diameter tubes Patent	CNASA-CASE-MPS-20642] C14 N/2-2140/
# NA GA GA CR V M R L O S 1 1 1 2 7 0 0 0	Mechanically actuated triggered hand [NASA-CASE-MFS-20413] c15 N72-21463
Duct coupling for single-handed operation rate and	Nonflammable coating compositions
nash-case direct current tachometer Patent	[NASA-CASE-MFS-20486]
Fulci _Cacr_Mrc= 20 385 CU2 M/1 47207	Cardiotachometer [NASA-CASE-MFS-20284] c05 N72-22098
Self-lubricating quars and other mechanical	Hermetically sealed elbow actuator
parts Patent [NASA-CASE-MFS-14971] c15 N71-24984	NASA-CASE-BIS-147 (V)
Pulse width inverter Patent	r NA SA - CASE-MFS-13687-21 CO9 N/2-22130
Isothermal cover with thermal reservoirs Patent	Shock wave convergence apparatus [NASA-CASE-MFS-20890] c14 N72-22439
F 11 C2 _ C2 C D _ M D C _ 20 3 5 5 1	Bonding of reinforced Tetlon to metals
NASA-CASE-MFS-20075] cop N71-26133	[NASA-CASE-MFS-20482] c15 N72-22492 Inorganic thermal control coatings
with a and apparatus for precision Sizing and	6 11 C1 - C1 C2 - MDC - 20011 1
joining of large diameter tubes Patent [NASA-CASE-XMF-05114-2] c15 N71-26148	High temperature furnace for melting materials
riltor system for control of outgas	in space c11 N72-23215 [NASA-CASE-MFS-20710]
contamination in vacuum Patent	Siloyane containing epoxide compounds
Image magnification adapter for cameras Patent	[NASA-CASE-MFS-13994-2] CG6 N72-25148 Silphenylenesiloxane polymers having in-chain
	perfluoroalkyl groups
(NASA-CASE-MRF-93044) Thickness measuring and injection device Patent [NASA-CASE-MFS-20261] c14 N71-27005	[NASA-CASE-HFS-20979] c06 N72-25151 Emergency lunar communications system
Personal propulsion unit Patent	ENICI CICE MEC = 210421 CV/ N/2 = 231/1
[NASA-CASE-MFS-20130] c28 N71-27585 Power system with heat pipe liquid coolant lines	Lead attachment to high temperature devices
Datent	[NASA-CASE-ERC-10224]
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Method of making shielded flat cable Patent [NASA-CASE-MFS-13687] c09 N71-28691	Accumulator [NASA-CASE-MFS-10354-2] c12 N72-25306
A dc motor speed control system Patent	[NASA-CASE-DES-10334-2]
[NASA-CASE-MFS-14610] c09 N71-28886	

Omnidirectional wheel	_	Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-21309-1] c15 N Method and apparatus for nondestructive tes	72-2548 0	[NASA-CASE-MFS-20916] C14 N73-25460
[NASA-CASE-NFS-21233-1] C23 N	72-25627	Stable supply oscillator [NASA-CASE-MFS-21698-1] c09 N73-26196
Multiple in-line docking capability for rot	tating	Electrostatic measurement system
space stations [NASA-CASE-MFS-20855-1] c31 N	72-25853	[NASA-CASE-MFS-22129-1] c09 N73-26197 Electrostatic entrained material measurement
Altitude simulation chamber for rocket engi		system
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[NASA-CASE-HFS-20335-1] c14 N7	72-27421	Docking structure for spacecraft [NASA-CASE-MFS-20863] C31 N73-26876
Cryogenic gyroscope housing		Wide temperature range electronic device with
[NASA-CASE-MFS-21136-1] c23 NT Electrical connector	72-27731	lead attachment [NASA-CASE-ERC-10224-2] c09 N73-27150
[NASA-CASE-MPS-20757] c09 N7	72-28225	Restraint system for ergometer
Remote control manipulator for zero gravity environment	7	[NASA-CASE-MFS-21046-1] c14 N73-27377
[NASA-CASE-MFS-14405] c15 N7	72-28495	Multiplate focusing collimator [NASA-CASE-MFS-20932-1] c14 N73-27380
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[NASA-CASE-MFS-20433] c15 N7 Semiconductor transducer device	2-28496	[NASA-CASE-MFS-20855] c15 N73-27405
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[NASA-CASE-MFS-21455-1] c16 N7 Coaxial high density, hypervelocity plasma	2-31515	[NASA-CASE-MFS-20994-1] c05 N73-30090
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[NASA-CASE-MFS-20589] c25 N7 Process for the preparation of brushite cry	2-32688	allgned identical random arrays of apertures
[NASA-CASE-ERC-10338] CO4 N7	2-33072	[NASA-CASE-MPS-20546-2] c14 N73-30389 Automatically operable self-leveling load table
Adjustable force probe		[NASA-CASE-MFS-22039-1] c14 N73-30428
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[NASA-CASE-MFS-21049-1] c14 N7	3~11405	[NASA-CASE-MPS-20823-1] c16 N73-30476 Holographic system for nondestructive testing
Steady state thermal radiometer	2 40055	[NASA-CASE-MFS-21704-1] c16 N73-30478
[NASA-CASE-MFS-21108-1] c14 N7 Polyimide resin-fiberglass cloth laminates	3-12455 for	Semiconductor surface protection material [NASA-CASE-ERC-10339-1] C18 N73-30532
printed circuit boards	201	Remote fire stack igniter
[NASA-CASE-MFS-20408] c18 N7 Differential pressure control	3-12604	[NASA-CASE-MFS-21675-1] c33 N73-31826
£ 13.63 . 63.60	3-13418	Polymerizable disilanols having in-chain perfluoroalkyl groups
Automatic quadrature control and measuring	system	[NASA-CASE-MFS-20979-2] c06 N73-32030
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*	3-15503	Synthesis of superconducting compounds by explosive compaction of powders
Battery testing device		[NASA-CASE-MFS-20861-1] c18 N73-32437
[NASA-CASE-MFS-20761-1] c03 N7. Strain gauge ambiguity sensor for segmented	3-17037 N	ATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
mirror active optical system	r.	ASADENA OFFICE, CALIF. Phase control circuits using frequency
[NASA-CASE-MFS-20506-1] c14 N7. A leak detector	3-17563	multiplications for phased array antennas
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Process for making diamonds		Method of forming difunctional polyisobutylene [NASA-CASE-NPO-10893] c27 N73-22710
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[NASA-CASE-MFS-21470-1] c10 N7: Test stand system for vacuum chambers	3-20257 NJ	ATIONAL ABRONAUTICS AND SPACE ADMINISTRATION.
[NASA-CASE-MFS-21362] c11 N73	3-20267	ALLOPS STATION, WALLOPS ISLAND, VA. Emergency master control valve
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[NASA-CASE-HFS-20673] c14 N73 Clear air turbulence detector	3-20476 NA	ATIONAL ABRONAUTICS AND SPACE ADMINISTRATION.
[NASA-CASE-MFS-21244-1] C20 N73	3= Z 1 3 Z 3	STERN OPERATIONS OFFICE, SANTA MONICA, CALIF. Automatic pump Patent
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[NASA-CASE-MPS-21846-1] C15 N73		ASHINGTON, D.C. Optical spin compensator
System for depositing thin films		[NASA-CASE-XGS-02401] c14 N69-27485
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[NASA-CASE-MFS-20418] C14 N73	-24473	[NASA-CASE-ERC-10179] c07 N72-20141 Semiconductor-ferroelectric memory device
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[NASA-CASE-ERC-10283] c16 N72-25485 Clear air turbulence detector
[NASA-CASE-ERC-10081] c14 N72-28437 Head-up attitude display
[NASA-CASE-ERC-10392] c21 N73-14692 System for indicating direction of intruder
aircraft
[NASA-CASE-ERC-10226-1] c14 N73-16483 Aircraft control system
[NASA-CASE-BRC-10439] c02 N73-19004 Display system
[NASA-CASE-ERC-10350] c14 N73-20474 Method and apparatus for measuring solar
activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c14 N73-26432 NATIONAL BUREAU OF STANDARDS, BOULDER, COLO.
Densitometer Patent [NASA-CASE-XLE-00688] c14 N70-41330
Flowmeter
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BOULDER, COLO. Determining distance to lightning strokes from a
single station [NASA-CASE-KSC-10698] c07 N73-20175
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Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c14 N73-30394 Ultrahigh vacuum gauge having two collector
electrodes [NASA-CASE-LAR-02743] c14 N73-32324
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[NASA-CASE-XGS-01143] c31 N71-15647 Expanding center probe and droque Patent
[NASA-CASE-XMS-03613] c31 N71-16346 Radio frequency shielded enclosure Patent
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High impedance measuring apparatus Patent [NASA-CASE-XMS-08589-1] c09 N71-20569
High impedance measuring apparatus Patent [NASA-CASE-XMS-08589-1] c09 N71-20569 Latching mechanism Patent
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      conductivity Patent [NASA-CASE-XNP-05524]
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                                                        c28 N71-28849
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    [NASA-CASE-XNP-01855] C'Universal restrainer and joint Patent [NASA-CASE-XNP-02278] C'
                                                         c15 N71-28937
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[NASA-CASE-HQN-00938] c33 N71-2905
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       [ NASA-CASE-XMF-02307]
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    Noncontaminating swabs [NASA-CASE-MFS-18100]
     Observation window for a gas confining chamber
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     Droplet monitoring probe [NASA-CASE-NPO-10985]
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HORTH AMERICAN ROCKWELL CORP., DOWNEY, CALIF.
Spacecraft Patent
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     Latching mechanism Patent [NASA-CASE-MSC-15474-1]
                                                         c15 N71-26162
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       contacted by liquid oxygen Patent
       [ NASA-CASE-XMF-02221]
                                                         c18 N71-27170
     Apparatus for remote handling of materials
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     Frangible link
                                                         c15 N72-22488
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[NASA-CASE-XMS-09352] c09 N71-23316 SANDIA CORP., ALBUQUERQUE, N.MEX. Formaldehyde base disinfectants [NASA-CASE-NPO-12115-1] c06 N73-17153 SANTA CLARA UNIV., CALIF. Reversed cowl flap inlet thrust augmentor [NASA-CASE-ARC-10754-1] c28 N73-32624 SCHJELDAHL (G. T.) CO., NORTHFIELD, MINN. Rotating mandrel for assembly of inflatable devices Patent [NASA-CASE-XLA-04143] c15 N71-17687 Traveling sealer for contoured table Patent [NASA-CASE-XLA-01494] c15 N71-24164 SINGRE-GENERAL PRECISION, INC., BINGHANTON, N.Y. CRT blanking and brightness control circuit [NASA-CASE-KSC-10647-1] c10 N72-31273 SHITH ELECTRONICS, INC., CLEVELAND, OHIO. Phase detector assembly Patent [NASA-CASE-XMF-00701] c09 N70-40272 SHITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, NASS. Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output	[NASA-CASE-MS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-MSG-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-KSC-10521] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHORNIX, ARIZ. Isolation coupling arrangement for a torque measuring system
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[NASA-CASE-XMS-09352] c09 N71-23316 SANDIA CORP., ALBUQUERQUE, N.MEX. Formaldehyde base disinfectants [NASA-CASE-NPO-12115-1] c06 N73-17153 SANTA CLARA UNIV., CALIF. Reversed cowl flap inlet thrust augmentor [NASA-CASE-ARC-10754-1] c28 N73-32624 SCHJELDAHL (G. T.) CO., NORTHFIELD, MINN. Rotating mandrel for assembly of inflatable devices Patent [NASA-CASE-XLA-04143] c15 N71-17687 Traveling sealer for contoured table Patent [NASA-CASE-XLA-01494] c15 N71-24164 SINGER-GENEBAL PRECISION, INC., BINGHANTON, N.Y. CRT blanking and brightness control circuit [NASA-CASE-KSC-10647-1] c10 N72-31273 SMITH ELECTRONICS, INC., CLEVELAND, OHIO. Phase detector assembly Patent [NASA-CASE-XMF-00701] c09 N70-40272 SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, NASS. Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency [NASA-CASE-HQN-10654-1] c16 N73-13489 SMITHSONIAN INSTITUTION, WASHINGTON, D.C.	[NASA-CASE-MS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-MSG-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-KSC-10521] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHORNIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STAMFORD RESEARCH INST., HENLO PARK, CALIF. Automatic fault correction system for parallel
[NASA-CASE-NMS-09352]	[NASA-CASE-XNS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for confiquring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] STABFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XMS-09352]	[NASA-CASE-MS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-MSG-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-KSC-10521] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STAMFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent
[NASA-CASE-XMS-09352]	[NASA-CASE-XNS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for confiquring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent [NASA-CASE-XNP-02251] c12 N71-20896
[NASA-CASE-XMS-09352]	[NASA-CASE-MS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-MSG-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-KSC-10521] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STAMFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent
[NASA-CASE-XMS-09352]	[NASA-CASE-XNS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for confiquring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent [NASA-CASE-XNP-02251] c12 N71-20896 Magnetic power switch Patent [NASA-CASE-NPO-10242] c09 N71-24803 Procedure and apparatus for determination of
[NASA-CASE-XMS-09352]	[NASA-CASE-XNS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-KSC-10521] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-KFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHORNIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STABFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Hercury capillary interrupter Patent [NASA-CASE-NP-02251] c12 N71-20896 Mercury capillary interrupter Patent [NASA-CASE-NP-02251] c12 N71-20896 Water in nitrogen tetroxide
[NASA-CASE-XMS-09352]	[NASA-CASE-XIS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for confiquring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent [NASA-CASE-XNP-02251] c12 N71-20896 Magnetic power switch Patent [NASA-CASE-NPO-10242] c09 N71-24803 Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10234] c06 N72-17094 STANFORD UNIV., CALIF.
[NASA-CASE-MMS-09352]	[NASA-CASE-XINS-05307] SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] Optical tracking mount Patent [NASA-CASE-MFS-14017] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] A device for configuring multiple leads [NASA-CASE-MFS-22133-1] Collapsible antenna multiple technique [NASA-CASE-MFS-22133-1] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] On N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-22133-1] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20453] Collapsible antenna boom and transmission line Patent [NASA-CASE-NP-0321] Collapsible antenna boom and transmission line Patent [NASA-CASE-NP-0321] Collapsible antenna boom and transmission line Patent [NASA-CASE-NP-03251] Collapsible antenna boom and transmission line Patent [NASA-CASE-NP-03263] Collapsible antenna boom and transmission line Collapsibl
[NASA-CASE-XMS-09352]	[NASA-CASE-KNS-05307] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] Mercury capillary interrupter Patent [NASA-CASE-NPO-10242] c09 N71-18843 Mercury capillary interrupter Patent [NASA-CASE-NPO-10242] c09 N71-24803 Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10244] c06 N72-17094 STANFORD UNIV., CALIF. Active RC networks [NASA-CASE-ARC-10042-2] c10 N72-11256
[NASA-CASE-NPO-12115-1]	[NASA-CASE-XINS-05307] SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] Optical tracking mount Patent [NASA-CASE-MFS-14017] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] Co7 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] A device for configuring multiple leads [NASA-CASE-MFS-22133-1] Co7 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] SPERRY RAND CORP., PHORNIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] STANFORD RESEARCH INST., HENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] Mercury capillary interrupter Patent [NASA-CASE-NPO-10242] Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10242] Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10234] STANFORD UNIV., CALIF. Active Rc networks [NASA-CASE-RC-10042-2] Hultiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-XMS-09352]	[NASA-CASE-XINS-053071] c09 N69-24336 SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] c10 N71-19547 SPERRY RAND CORP., HUNTSVILLE, ALA. Optical tracking mount Patent [NASA-CASE-MFS-14017] c14 N71-26627 Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c07 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] c15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] c07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c15 N73-30462 SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] c15 N72-22482 STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] c09 N71-18843 Mercury capillary interrupter Patent [NASA-CASE-NP-01242] c09 N71-2803 Mercury capillary interrupter Patent [NASA-CASE-NP-01242] c09 N71-2803 Mercury capillary interrupter Patent [NASA-CASE-NP-01242] c09 N71-24803 Mercury capillary interrupter Patent [NASA-CASE-NP-01242] c09 N71-24803 Mercury capillary interrupter Patent [NASA-CASE-NP-01244] c09 N71-24803 Mercury capillary interrupter Patent [NASA-CASE-NP-01242] c09 N71-24803 Mercury capillary interrupter Patent [N
[NASA-CASE-XMS-09352]	[NASA-CASE-XINS-05307] SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] Optical tracking mount Patent [NASA-CASE-MFS-14017] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] Co7 N71-27191 Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] A device for configuring multiple leads [NASA-CASE-MFS-22133-1] Co7 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] SPERRY RAND CORP., PHORNIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] STANFORD RESEARCH INST., HENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263] Mercury capillary interrupter Patent [NASA-CASE-NPO-10242] Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10242] Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NPO-10234] STANFORD UNIV., CALIF. Active Rc networks [NASA-CASE-RC-10042-2] Hultiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-XMS-09352]	[NASA-CASE-XIS-05307] SPERRY RAND CORP., BLUE BELL, PA. Flipflop interrogator and bi-polar current driver Patent [NASA-CASE-XGS-03058] Optical tracking mount Patent [NASA-CASE-MFS-14017] Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] Device for handling printed circuit cards Patent [NASA-CASE-MFS-220453] A device for configuring multiple leads [NASA-CASE-MFS-22133-1] C15 N71-29133 A device for configuring multiple leads [NASA-CASE-MFS-22133-1] C15 N73-18473 Frequency division multiplex technique [NASA-CASE-MFS-22133-1] C07 N73-20176 An improved system for enhancing tool exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] SPERRY RAND CORP., PHOENIX, ARIZ. Isolation coupling arrangement for a torque measuring system [NASA-CASE-XLA-04897] STANFORD RESEARCH INST., MENLO PARK, CALIF. Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XLP-03263] Mercury capillary interrupter Patent [NASA-CASE-XNP-02251] Magnetic power switch Patent [NASA-CASE-NP-02251] Magnetic power switch Patent [NASA-CASE-NP-02251] C12 N71-20896 Magnetic power switch Patent [NASA-CASE-NP-01242] Procedure and apparatus for determination of water in nitrogen tetroxide [NASA-CASE-NP-01234] STANFORD UNIV., CALIF. Active RC networks [NASA-CASE-ARC-10042-2] Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain [NASA-CASE-ARC-10192] Spacecraft attitude control method and apparatus

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[NASA-CASE-YAC-05462-2] STATE UNIV. OF IOWA, IOWA CITY.	0.0 1.72 17111	Multiple orifice throttle valve Patent
Mixture separation cell Patent		[NASA-CASE-XNP-09698] c15 N71-18580
[NASA-CASE-XMS-02952]	c18 N71-20742	Semitoroidal diaphragm cavitating valve Patent [NASA-CASE-XNP-09704] c12 N71-18615
SYLVANIA BLECTRONIC SYSTEMS-CENTRAL, WI	TTIAMSAILLE.	Electrohydrodynamic control valve Patent
N.Y. Acquisition and tracking system for	optical radar	[NASA-CASE-NPO-10416] c12 N71-27332
[NASA-CASE-MFS-20125]	c16 N72-13437	TYCO LABS., INC., WALTHAM, MASS.
Altitude sensing device		Bonding thermoelectric elements to nonmagnetic
[NASA-CASE-XMS-01994-1]	c14 N72-17326	refractory metal electrodes [NASA-CASE-XGS-04554] c15 N69-39786
T		[NASA-CASE-XGS-04554] c15 N69-39786 Segmenting lead telluride-silicon germanium
1		thermoelements Patent
TAAG DESIGNS, INC., COLLEGE PARK, MD.		[NASA-CASE-XGS-05718] c26 N71-16037
Recovery of radiation damaged solar	cells	U
through thermal annealing		U
[NASA-CASE-XGS-04047-2]	c03 N72-11062	UNIFIED SCIENCE ASSOCIATES, INC., PASADENA, CALIF.
Phototropic composition of matter	c14 N72-22443	Method of producing crystalline materials
[NASA-CASE-XGS-03736] TECHNICOLOR, INC., PARAMUS, N.J.	C14 11/2 22443	[NASA-CASE-NPO-10440] c15 N72-21466
Automatic lightning detection and pl	notographic	UNION CARBIDE CORP., NEW YORK.
system		Laser apparatus for removing material from
[NASA-CASE-KSC-10728-1]	c14 N73-32319	rotating objects Patent [NASA-CASE-MFS-11279] c16 N71-20400
TECHNIDYNE, INC., WEST CHESTER, PA.		[NASA-CASE-MFS-11279] C16 N71-20400 UNITED AIRCRAFT CORP., EAST HARTFORD, CONN.
Methods and apparatus employing vib	ratory energy	Supporting and protecting device Patent
for wrenching Patent [NASA-CASE-MFS-20586]	c15 N71-17686	[NASA-CASE-XMF-00580] C11 N70-35383
TECHNOLOGY, INC., SAN ANTONIO, TEX.		Spherical tank gauge Patent
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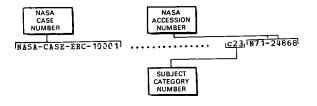
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NASA-CASE-HQN-10781	c23 N71-30292	NASA-CASE-LAR-10318-1	c14 N72-20396
NASA-CASE-HQN-10790-1	c16 N72-25491	NASA-CASE-LAR-10319-1	c14 N73-32322
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	c10 N73-13235	NASA-CASE-LAR-10367-1	c03 N70-26817
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NASA-CASE-KSC-10020	c10 N71-27338		c18 N71-26155
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NASA-CASE-KSC-10108	c14 N73-25461	NASA-CASE-LAR-10385-2	c23 N73-32538
NASA-CASE-KSC-10126	c11 N71-24985	NASA-CASE-LAR-10385-3	
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NASA-CASE-KSC-10164	c07 N71-33108	NASA-CASE-LAR-10409-1	c15 N73-20526
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NASA-CASE-KSC-10513	c15 N72-25453	NASA-CASE-LAR-10496-1	c14 N72-22437
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	c09 N72-25250	NASA-CASE-LAR-10507-1	c11 N72-25284
	c08 N73-12176	NASA-CASE-LAR-10507-1	c09 N72-29172
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NASA-CASE-KSC-10626	c14 N73-27378	NASA-CASE-LAR-10523-1	
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NASA-CASE-KSC-10736-1	c09 N73-23290	NASA-CASE-LAR-10557	c02 N72-11018
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	c15 N73-27407	NASA-CASE-LAR-10578-1	c12 N73-25262
	c09 N73-27153	NASA-CASE-LAR-10585-1	c01 N73-14981
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NASA-CASE-LAR-10G00	c14 N73-30394	NASA-CASE-LAR-10612-1	c12 N73-28144
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NASA-CASE-LAR-10626-1	c14 N72-21416	NASA-CASE-LEW-10433-1	c09 N72-22197
NASA-CASE-LAR-10629-1	c14 N73-32348	NASA-CASE-LEW-10436-1	c17 N73-32415
NASA-CASE-LAR-10634-1	c15 N72-21476	NASA-CASE-LEW-10450-1	c15 N72-25448
NASA-CASE-LAR-10642-1	c28 N72-27820	NASA-CASE-LEW-10489-1	c15 N72-25447
NASA-CASE-LAR-10668-1		NASA-CASE-LEW-10518-1	c24 N72-33681
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NASA-CASE-LAR-10670-2		N101 0100 100 1000	
NASA-CASE-LAR-10682-1		NACA CACH YOU AREAS	c15 N73-28515
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NASA-CASE-LAR-10765-1	c32 N73-20740	NASA-CASE-LEW-10874-1	c17 N72-22535
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NASA-CASE-LAR-10782-1		NACA-CACH THE 400CC 4	c09 N72-31239
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W1 C1 C1 CD T1D 40000 4		NASA-CASE-LEW-11015	c26 N73-32571
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NASA-CASE-LAR-10862-1	•••• c14 N72-28460	NASA-CASE-LEW-11072-2	c14 N72-28443
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NASA-CASE-LAR-10910-1		NASA-CASE-LEW-11087-2	c15 N72-31491
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NASA-CASE-LAR-10941-1		NACA-CACE-I BD-14404 4	c15 N73-20534
NASA-CASE-LAR-10941-2		WACA-CACE-IRU 44440 4	c31 N73-32750
NASA-CASE-LAR-10951-1		NICE CACH YOU AAACO A	c15 N72-32501
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NASA-CASE-LAR-11211-1		NASA-CASE-LEW-11388-1	c15 N73-32358 c15 N73-10500
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NASA-CASE-LAR-11310-1			c11 N73-28128
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NASA-CASE-MFS-20333	cG9 N71-13486	NASA-CASE-MFS-21465-1	c10 N73-32145
NASA-CASE-MFS-20335-1	c14 N72-27421	NASA-CASE-MFS-21470-1	c10 N73-20257
NASA-CASE-MFS-20355	c33 N71-25353	NASA-CASE-MFS-21481-1	c15 N73-15503
NASA-CASE-MFS-20385	c09 N71-24904	NASA-CASE-MFS-21485-1	c15 N72-31490
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NASA-CASE-MFS-20400	c31 N71-18611 c09 N73-19235		c07 N73-18177 c14 N73-20487
NASA-CASE-MFS-20407	c18 N73-12604		c03 N73-20042
NASA-CASE-MFS-20410	c15 N71-19214	NASA-CASE-MFS-21577-1	c15 N73-20042
NASA-CASE-MFS-20413	c15 N72-21463	NASA-CASE-HFS-21629	c14 N72-22442
NASA-CASE-MFS-20418	c14 N73-24473	NASA-CASE-MFS-21660-1	c14 N73-13434
NASA-CASE-MFS-20423	c15 N72-11388	NASA-CASE-MFS-21671-1	c10 N73-17211
NASA-CASE-MFS-20433	c15 N72-28496	NASA-CASE-MFS-21672-1	c23 N73-22630
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W.O. G.O			t			
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NASA-CASE-MFS-21728-1		3-25467				N73-11443
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NASA-CASE-MFS-21761-1		3-18444	NASA-CASE-MSC-12568-		c18	N73-16577
NASA-CASE-MFS-21846-1		3-23552	NASA-CASE-MSC-12609-		c05	N73-32012
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NASA-CASE-MFS-22040-1		3-26500	NASA-CASE-MSC-13112			
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NASA-CASE-MFS-22133-1	c15 N73	3-18473	NASA-CASE-MSC-13281	•••••		N72-18859
NASA-CASE-MFS-22145-1	c25 N73	3-26721	NASA-CASE-MSC-13282-	4		
NASA-CASE-MFS-22283-1			NASA-CASE-MSC-13332-			N71-24729
NASA-CASE-MFS-22324-1						N72-21408
			NASA-CASE-MSC-13335-		C06	N72-31140
			NASA-CASE-MSC-13397-		c21	N72-25595
NASA-CASE-MFS-22343-1			NASA-CASE-MSC-13407-	1	c10	N72-20225
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	c14 N72	2-11363	NASA-CASE-MSC-13855-		c07	N72-20157
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NASA-CASE-MSC-12049	c31 N71	1-16080	NASA-CASE-MSC-13917-			
NASA-CASE-MSC-12052-1			NASA-CASE-MSC-13932-			N72-15098
NASA-CASE-MSC-12084-1						N72-21206
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NASA-CASE-MSC-12101			NASA-CASE-MSC-13999-		c05	N72-25142
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			NASA-CASE-MSC-14065-		c07	N73-10215
NASA-CASE-MSC-12109			NASA-CASE-MSC-14066-	•••••	c10	N73-10269
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NASA-CASE-MSC-12143-1			NASA-CASE-MSC-14130-			N73-26231
NASA-CASE-MSC-12146-1						N73-26232
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			NASA-CASE-MSC-14339-1			N73-21151
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NACA CAGE YOU ADOLE 4			NASA-CASE-MSC-15474-1		c15	N71-26162
NASA-CASE-MSC-12255-1		i i	NASA-CASE-MSC-15567-1	•••••		N73-16918
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NASA-CASE-MSC-12259-2	c07 N72	-33146	NASA-CASE-MSC-17832-1			N72-33232
NASA-CASE-MSC-12279	c15 N72		NASA-CASE-MSC-90153-2			N72-25120
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NASA-CASE-MSC-12297				•••••		N71-17685
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W. C			NASA-CASE-NPO-10046	• • • • • • • • • • • • • • •	c28	N72-17843
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NASA-CASE-MSC-12389			NASA-CASE-NPO-10070			
NASA-CASE-MSC-12390			NASA-CASE-NPO-10070	• • • • • • • • • • • • • • • • • • • •		N71-27372 ·
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			NASA-CASE-NPO-10109	• • • • • • • • • • • • • • • • • • • •		N71-11049
			NASA-CASE-NPO-10112	• • • • • • • • • • • • • • • • • •		N71-12502
N1 61 61 62 466 4666			NASA-CASE-NPO-10117	• • • • • • • • • • • • • • • • • • • •		N71-15608
NASA-CASE-MSC-12395			NASA-CASE-NPO-10118	•••••		N71-24741
NASA-CASE-MSC-12396-1			NASA-CASE-NPO-10122	• • • • • • • • • • • • • • • • • • • •		N71-17631
NASA-CASE-MSC-12397-1			NASA-CASE-NPO-10123	••••••		N71-24835
NASA-CASE-MSC-12398	c05 N72	-20098	NASA-CASE-NPO-10138	• • • • • • • • • • • • • • • • • • •		N71-16357
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NASA-CASE-MSC-12408-1			NASA-CASE-NPO-10141	• • • • • • • • • • • • • • • • • • • •		N71-24742
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N161 6165 HGG 40466 4			NASA-CASE-NPO-10143	• • • • • • • • • • • • • • • • • • • •		N71-26326
71.51 51.57 455 454.55			NASA-CASE-NPO-10144	•••••		N71-17701
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NASA-CASE-NPO-10166-1	• • • • • • • • • • • • •	c07	พ73-22076	NASA-CASE-NPO-10743	*************	c0.8	N72-21199
NASA-CASE-NPO-10169		c10	N71-24844	NASA-CASE-NPO-10745	************		N72-22164
NASA-CASE-NPC-10173		c15	N71-24696	NASA-CASE-NPO-10747	•••••		N72-22042
V101 0100 UDA 40474		c14	N71-18465	NASA-CASE-NPO-10748			
2101 Clar Upo 40475			N71-18625	NASA-CASE-NPO-10753	***********		N72-20177
		c10	N71-26339	NASA-CASE-NPO-10755	•••••		N72-26031
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113 CS CLOT UDG 40404	••••••			NASA-CASE-NPO-10758	•••••	c14	N73-14427
	• • • • • • • • • • • • •		N71-20407	NASA-CASE-NPO-10760		c09	N72-25254
NASA-CASE-NPO-10196-2	• • • • • • • • • • • • • • • • • • • •		N70-20711	NASA-CASE-NPO-10764-	·1	c14	N73-14428
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NASA-CASE-NPO-10199		c09	N72-17156	NASA-CASE-NPO-10765	•••••		N72-20121
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		c10	N71-26577	NASA-CASE-NPO-10768			
	**********		N71-12520	NASA-CASE-NPO-10768-			N71-27254
V101 0105 NDA 40014			N71-26101				N72-27144
N. C una 46004	•••••			NASA-CASE-NPO-10769	• • • • • • • • • • • • • • • • • • • •		N72 - 11171
43.63 63.65 NDA 40000	• • • • • • • • • • • • •		N72-17094	NASA-CASE-NPO-10774	•••••	c06	N72-17095
		c09	N71-24803	NASA-CASE-NPO-10778	• • • • • • • • • • • • • • • • • •	c14	N72-11364
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NASA-CASE-NPO-10250		c23	N71-16212	NASA-CASE-NPO-10796	•••••	c15	N71-27068
NASA-CASE-NPG-10251		c10	N71-27365	NASA-CASE-NPO-10808	•••••		N71-27432
111C) CIGD UDG 40004		c17	N71-16393	NASA-CASE-NPO-10810			
NACA GAGE NEG 46000			N71-17661	NASA-CASE-NPO-10812	• • • • • • • • • • • • • • • • • • • •		N71-27323
			N71-17662		*************		N73-13464
W1 61 61 62 WD6 46364				NASA-CASE-NPO-10817-	1		N73-30135
NACA CAGE NEG 40300	• • • • • • • • • • • • • • • • • • • •		N72-11148	NASA-CASE-NPO-10821	•••••	c03	N71-19545
W101 0100 UD0 40303	• • • • • • • • • • • • •		N71-26142	NASA-CASE-NPO-10828		c33	N72-17948
	• • • • • • • • • • • • •		N72-22127	NASA-CASE-NPO-10831	************	c33	N72-20915
	•••••	c15	N69-23190	NASA-CASE-NPO-10832			N72-21405
		c31	N71-15643	NASA-CASE-NPO-10844	************		N72-20140
NASA-CASE-NPO-10320		c14	N71-17655	NASA-CASE-NPO-10851	*************		N71-24613
N101 0100 UD0 40004	*********		N71-26701	NASA-CASE-NPO-10853			
MACA CAGE NEG 46337			N71-15604	NASA-CASE-NPO-10853			N70-34685
MACA CACE NDO 40000			N71-33407	NASA-CASE-NPO-10863	• • • • • • • • • • • • • • • • • • • •		N72-22107
N101 0100 ND- 40040							N70-11251
NICE CLEE NEG 46344	• • • • • • • • • • • • • • • • • • • •		N71-27341	NASA-CASE-NPO-10863-	2	c06	N72-25152
NACA CACE NEG 46380	• • • • • • • • • • • •		N71-26544	NASA-CASE-NPO-10883		c31	N72-22874
	•••••		N71-12554	NASA-CASE-NPO-10890		c11	N73-12265
NASA-CASE-NPO-10351	•••••	c08	N71-12503	NASA-CASE-NPO-10893	•••••	c27	N73-22710
	• • • • • • • • • • • •	CQ3	N71-18698	NASA-CASE-NPO-10985	••••••		N73-20478
NASA-CASE-NPO-10388		c07	N71-24622	NASA-CASE-NPO-10998-			N73-32029
NASA-CASE-NPO-104C1		c03	N72-20033	NASA-CASE-NPO-10999-			N73-32029
WACA CACA WAS ASSOCI			N71-12255	NASA-CASE-NPO-11001			
VI 01 0100 ND0 40040	**********		N71-28421	NASA-CASE-NPO-11002	• • • • • • • • • • • • • • • • • • • •		N72-21118
NACA CACE NEG 40040			N71-27332		• • • • • • • • • • • • • • • • • • • •		N72-22441
NACA CACE NDO 40047	• • • • • • • • • • • • • • • • • • • •			NASA-CASE-NPO-11009	• • • • • • • • • • • • • • • • • • • •	c15	N70-22292
V1.61 01.62 VD0 40/04	• • • • • • • • • • • •		N71-33410	NASA-CASE-NPO-11012	******	c15	N72-11391
N161 6167 ND6 46686	• • • • • • • • • • • •		N71-29132	NASA-CASE-NPO-11013		c11	N72-22247
NASA-CASE-NPO-10440	• • • • • • • • • • • •	c1 5	N72-21466	NASA-CASE-NPO-11016			N72-31226
NASA-CASE-NPO-10447	• • • • • • • • • • • •	c06	N70-11252	NASA-CASE-NPO-11018	•••••		N72-21200
NASA-CASE-NPO-10467		c23	N71-26654	NASA-CASE-NPO-11021	•••••		N72-20032
	• • • • • • • • • • •		N71-33229	NASA-CASE-NPO-11023			
MACA CACE MDG 40530	••••••		N71-11285		•••••		N72-17155
WACA CACE NDO 40500			N72-27228	NASA-CASE-NPO-11031	•••••		N71-33606
W1 C1 C1 C2 VDC 40 F40	• • • • • • • • • • • • • •			NASA-CASE-NPO-11036	•••••	c15	N72-24522
NACA GAGE NEG AGES	• • • • • • • • • • • •		N71-24831	NASA-CASE-NPO-11059	• • • • • • • • • • • • • •	c15	N72 - 17454
	• • • • • • • • • • • •		N71-27185	NASA-CASE-NPO-11064		c07	N72-11150
	• • • • • • • • • • • • •		N72-22166	NASA-CASE-NPO-11075	••••••	c09	N71-34208
	• • • • • • • • • • •	c08	N71-24633	NASA-CASE-NPO-11078	•••••		N72-25262
NASA-CASE-NPO-10575	• • • • • • • • • • • •	c03	N72-25019	NASA-CASE-NPO-11082	•••••		N72-22167
NASA-CASE-NPO-10591	• • • • • • • • • • • •	c03	N72-22041	NASA-CASE-NPO-11087	*************		N71-29125
NACE CACE Who docor			N71-25917	NASA-CASE-NPO-11088			
NACA GAGE NEG 40506	•••••		N71-25929		•••••		N71-29034
	••••••		N72-25451	NASA-CASE-NPO-11091	••••••		N72-22567
WACA CACE NEG 40007				NASA-CASE-NPO-11095	•••••		N72-25455
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NA CA CACE NO. 40 COE	• • • • • • • • • • • • •		N70-12618	NASA-CASE-NPO-11103	***********	c14	N72-21406
N161 6165 ND6 40666	• • • • • • • • • • • •		N71-26182	NASA-CASE-NPO-11104		c08	N72-22165
WACA CACE WES 48600			N72-15465	NASA-CASE-NPO-11106	•••••	c14	N70-34697
	• • • • • • • • • • • •		N72-18184	NASA-CASE-NPO-11106-	2		N72-28696
NASA-CASE-NPO-10633	• • • • • • • • • • • •	c03	N72-28025	NASA-CASE-NPO-11118	•••••	-0.0	N72-25021
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NASA-CASE-NPO-10636	• • • • • • • • • • • • • •	c08	N72-25210	NASA-CASE-NPO-11129			N72-33204
W161 6165 WD6 46635			N72-12409	NASA-CASE-NPO-11130	•••••		
VI. C			N71-28467	NASA-CASE-NPO-11133	•••••		N72-20176
NACA CACE NEG 40CHO			N71-24840		•••••		N72-20223
				NASA-CASE-NPO-11134	•••••		N72-21246
W1 C1 C1 CE Who 40 CE			N72-20443	NASA-CASE-NPO-11138	••••••	c03	N70-34646
V161 6165 ND6 46655			N70-22132	NASA-CASE-NPO-11140		c15	N72-17455
			N72-11084	NASA-CASE-NPO-11147	*******		N72-27408
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NASA-CASE-NPO-10680	• • • • • • • • • • • • •	c31	N73-14855	NASA-CASE-NPO-11157	•••••		N70-22275
			N70-34699	NASA-CASE-NPO-11161			N72-25207
V161 6165 UDA 48465			N69-33347	NASA-CASE-NPO-11177	•••••		
NACA CACE NDO 40004			N71-26199		•••••		N72-17453
WAGA GAGA WAG 4000			N72-20200	NASA-CASE-NPO-11190	•••••		N71-34044
W1C1 G1CD UDG 40700				NASA-CASE-NPO-11194	•••••		N72-25209
NACL CASE NDO 40764			N71-33613	NASA-CASE-NPO-11201	•••••	c14	N72-27409
			N71-28620	NASA-CASE-NPO-11202			N72-25450
			N72-20445	NASA-CASE-NPO-11203	************		N72-20224
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			N71-24892	NASA-CASE-NPO-11213			
			N72-22048	NASA-CASE-NPO-11222	•••••		N73-20514
NA 53 63 65 110 6 46 564			N72-27484		•••••		N72-25456
NACA CAGE NEG 40500				NASA-CASE-NPO-11239	• • • • • • • • • • • • • • • • • • • •		N73-12446
CUDE NEO-IOIEE PO		CUY	N72-20199	NASA-CASE-NPO-11243		c07	N72-20154
NA SA-CASP-NDO-40733			270 2552				
	• • • • • • • • • • • • • • • • • • • •	c09 1	70-35631	NASA-CASE-NPO-11253		c09	N72-17157
W1C1 CLOT UDA 40737	• • • • • • • • • • • • • • • • • • • •	c09 1	N70-35631 N72-11709	NASA-CASE-NPO-11253 NASA-CASE-NPO-11264			

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NASA-CASE-NPO-11283	c09 N72-25260	NASA-CASE-NPO-12115-1	c14 N73-32317
NASA-CASE-NPO-11291-1	c14 N73-30388	NASA-CASE-NPO-13044-1	c14 N73-13436
NASA-CASE-NPO-11302-1	c07 N73-13149	NASA-CASE-NPO-13050-1	c16 N73-18508
NASA-CASE-NPO-11302-2	c07 N72-28164 c14 N73-26430	NASA-CASE-NPO-13081-1	c07 N73-23106 c15 N73-12495
NASA-CASE-NPO-11307-1	c10 N73-30205	NASA-CASE-NPO-13086-1	c09 N73-12214
NASA-CASE-NPO-11311	c14 N72-25414	NASA-CASE-NPO-13103-1	c07 N73-20180
NASA-CASE-NPO-11317-2	c16 N73-31468	NASA-CASE-NPO-13105-1	c15 N73-29458
NASA-CASE-NPO-11322	c06 N72-25146 c33 N73-26958	NASA-CASE-NPO-13112-1	c11 N73-29138 c22 N73-13656
NASA-CASE-NPO-11333	c08 N72-22162	NASA-CASE-NPO-13114-1	c18 N73-23629
NASA-CASE-NPO-11338	c08 N72-25208	NASA-CASE-NPO-13121-1	c22 N73-12702
NASA-CASE-NPO-11340	c15 N72-33477 c09 N72-25248	NASA-CASE-NPO-13125-1	c09 N73-18225
NASA-CASE-NPO-11342	c07 N72-25172	NASA-CASE-NPO-13127-1 NASA-CASE-NPO-13131-1	c14 N73-29438 c16 N73-31467
NASA-CASE-NPO-11361	c07 N72-32169	NASA-CASE-NPO-13131-1	c09 N73-20238
NASA-CASE-NPO-11365	c09 N72-15204	NASA-CASE-NPO-13140-1	c07 N73-27106
NASA-CASE-NPO-11366	c11 N73-26238	NASA-CASE-NPO-13157-1	c15 N73-26475
NASA-CASE-NPO-11369	c15 N73-13467 c08 N73-12177	NASA-CASE-NPO-13159	c09 N73-22150 c14 N73-23525
NASA-CASE-NPO-11373	c13 N72-25323	NASA-CASE-NPO-13160-1	c14 N73-28495
NASA-CASE-NPO-11377	c15 N73-27406	NASA-CASE-NPO-13171-1	c07 N73-12150
NASA-CASE-NPO-11387	c14 N73-14429	NASA-CASE-NPO-13172-1	c33 N73-17917
NASA-CASE-NPO-11388	c03 N72-23048 c08 N73-12175	NASA-CASE-NPO-13175-1	c16 N73-27431
NASA-CASE-NPO-11417	c15 N73-24513	NASA-CASE-NPO-13201-1	c15 N73-26474 c15 N73-31442
NASA-CASE-NPO-11418-1	c14 N73-13420	NASA-CASE-NPO-13217-1	c07 N73-26144
NASA-CASE-NPO-11426	c07 N73-26119	NASA-CASE-NPO-13224-1	c05 N73-31011
NASA-CASE-NPO-11432-2	c14 N72-28442 c18 N71-31140	NASA-CASE-NPO-13253-1 NASA-CASE-NPO-13263-1	c15 N73-31445
NASA-CASE-NPO-11437	c16 N72-28521	NASA-CASE-NPO-13263-1	c15 N73-31443
NASA-CASE-NPO-11456	c08 N73-26176	NASA-CASE-NUC-10107-1	c09 N72-21254
NASA-CASE-NPO-11458	c28 N72-23810		
NASA-CASE-NPO-11479	c15 N73-13462 c21 N73-13644	NASA-CASE-WLP-10002	c15 N72-17451
NASA-CASE-NPO-11481	c14 N73-12447	NASA-CASE-WLP-10040-1	c15 N73-13475
NASA-CASE-NPO-11497	c08 N73-25206	NASA-CASE-XAC-00001	c15 N71-28952
NASA-CASE-NPO-11548	c07 N73-26118	NASA-CASE-XAC-00030	c14 N70-34820
NASA-CASE-NPO-11556	c12 N72-25292 c28 N71-34949	NASA-CASE-XAC-00042	c14 N70-34816
NASA-CASE-NPO-11559	c28 N73-24784	NASA-CASE-XAC-00048 NASA-CASE-XAC-00060	c02 N71-29128 c09 N70-39915
NASA-CASE-NPO-11569	c10 N73-26229	NASA-CASE-XAC-00073	c14 N70-34813
NASA-CASE-NPO-11572	c07 N73-16121	NASA-CASE-XAC-00074	c15 N70-34817
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NASA-CASE-NPO-11609-1	c11 N72-20251	NASA-CASE-XAC-00139	c02 N70-34856 c25 N70-41628
NASA-CASE-NPO-11623-1	c23 N72-25628	NASA-CASE-XAC-00399	c11 N70-34815
NASA-CASE-NPO-11628-1	c67 N73-30113	NASA-CASE-XAC-00404	c08 N70-40125
NASA-CASE-NPO-11630	c08 N72-33172 c16 N73-12244	NASA-CASE-XAC-00405 NASA-CASE-XAC-00435	c05 N70-41819
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NASA-CASE-NPO-11661	c07 N73-14130	NASA-CASE-XAC-00648	c14 N70-40400
NASA-CASE-NPO-11682	c15 N72-21474	NASA-CASE-XAC-00731	c11 N71-15960
NASA-CASE-NPO-11686	c14 N73-25462 c10 N73-32144	NASA-CASE-YAC-00812	c14 N71-15598
NASA-CASE-NPO-11707	c07 N73-25161	NASA-CASE-XAC-00942	c10 N71-16042 c14 N70-41957
NASA-CASE-NPO-11738-1	c09 N73-30185	NASA-CASE-XAC-G1158	c15 N71-23051
NASA-CASE-NPO-11743-1	c33 N73-29959	NASA-CASE-XAC-01404	c05 N70-41581
NASA-CASE-NPO-11749	c14 N73-28486 c07 N73-24176	NASA-CASE-XAC-01591	c31 N71-17729 c14 N71-23037
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NASA-CASE-NPO-11771	c03 N73-20040	NASA-CASE-XAC-02058	c62 N71-16087
NASA-CASE-NPO-11775	c26 N72-28761	NASA-CASE-XAC-02405	c09 N71-16089
NASA-CASE-NPO-11820-1	c07 N72-28166 c08 N73-26175	NASA-CASE-XAC-02407	c14 N69-27423 c09 N71-23021
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NASA-CASE-NPO-11856-1	c16 N72-25490	NASA-CASE-XAC-02970	c14 N69-39896
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NASA-CASE-NPO-11868	c10 N73-20254 c28 N73-24783	NASA-CASE-XAC-03107	c23 N71-16098 c03 N70-41954
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NASA-CASE-NPO-11919-1	c14 N73-29436	NASA-CASE-XAC-03777	c10 N71-15909
NASA-CASE-NPO-11921-1	c07 N73-23118	NASA-CASE-XAC-04030	c10 N71-19472
NASA-CASE-NPO-11932-1	c14 N73-29438 c10 N73-27171	NASA-CASE-XAC-04031	c08 N71-18594
NASA-CASE-NPO-11942-1	c33 N73-32818	NASA-CASE-XAC-04458	c14 N71-24232 c14 N71-23790
NASA-CASE-NPO-11948-1	c10 N73-15255	NASA-CASE-XAC-04886-1	c14 N71-26439
NASA-CASE-NPO-11951-1	c15 N73-10501	NASA-CASE-XAC-05333	c11 N71-22875
NASA-CASE-NPO-11966	c09 N73-22150 c27 N73-17802	NASA-CASE-XAC-05422	c04 N71-23185 c09 N72-20209
NASA-CASE-NPO-12000	c27 N72-25699	NASA-CASE-XAC-05462	c10 N72-20209
NASA-CASE-NPO-12015	c27 N73-16764	NASA-CASE-XAC-05506-1	c24 N71-16095
NASA-CASE-NPO-12061-1	c06 N72-21100	NASA-CASE-XAC-05632	c32 N71-23971
NASA-CASE-NPO-12070-1	c28 N73-32606 c28 N72-22772	NASA-CASE-XAC-05695	c25 N71-16073 c05 N71-12342
NASA-CASE-NPO-12106	c09 N73-15235	NASA-CASE-XAC-05902	c11 N71-18578
NASA-CASE-NPO-12107	c08 N71-27255	NASA-CASE-XAC-06029-1	c31 N71-24813
NASA-CASE-NPO-12109	c11 N72-22245	NASA-CASE-XAC-06302	c08 N71-19763

NASA-CASE-XAC-06956	•••••	c15 N71-21177	NASA-CASE-XGS-01475		-03 234 44050
NASA-CASE-XAC-07043	• • • • • • • • • • • • • • • • • • • •	c05 N71-23161	NASA-CASE-XGS-01504	••••••••	c03 N71-11058 c16 N70-41578
NASA-CASE-XAC-08494	• • • • • • • • • • • • • • • • • • • •	c30 N71-15990	NASA-CASE-XGS-01513	**************	c03 N71-23336
NASA-CASE-XAC-08972	• • • • • • • • • • • • • • • • • • • •	c02 N71-20570	NASA-CASE-XGS-01537	•••••	c07 N71-23405
NASA-CASE-XAC-08981 NASA-CASE-XAC-09489-	1	c09 N69-39897 c15 N71-26673	NASA-CASE-XGS-01587 NASA-CASE-XGS-01590	• • • • • • • • • • • • • • • • • • • •	c14 N71-15962
NASA-CASE-XAC-10C19		c15 N71-23809	NASA-CASE-XGS-01593	*************	c07 N71-12392 c03 N70-35408
NASA-CASE-XAC-10607		c10 N71-23669	NASA-CASE-XGS-01654	************	c31 N71-24750
NASA-CASE-XAC-10608- NASA-CASE-XAC-10768		c09 N71-12517	NASA-CASE-XGS-01674	•••••	c03 N71-29129
NASA-CASE-XAC-10700	1	c09 N71-18830 c16 N71-24828	NASA-CASE-XGS-01725 NASA-CASE-XGS-01784		c14 N69-39982
NASA-CASE-XAC-11225		c14 N69-27486	NASA-CASE-XGS-01812	**************	c10 N71-20782 c07 N71-23001
N161 6162 V12 04547		** *** ****	NASA-CASE-XGS-01881	************	c09 N70-40123
NASA-CASE-XAR-01547 NASA-CASE-XAR-03786	• • • • • • • • • • • • • • • • • • • •	c05 N69-21473 c09 N69-21313	NASA-CASE-XGS-01971	•••••	c15 N71-15922
MASA-CASE-AAR-VS/00	• • • • • • • • • • • • • • • • • • • •	CV9 NO9-21313	NASA-CASE-XGS-01983 NASA-CASE-XGS-02011	************	c10 N70-41964
NASA-CASE-XER-07894		c09 N71-18721	NASA-CASE-XGS-02171	**************	c15 N71-20739 c09 N69-24324
NASA-CASE-XER-07895		c26 N72-25679	NASA-CASE-XGS-02290	***********	c07 N71-28809
NASA-CASE-XER-07896- NASA-CASE-XER-08476-		c23 N72-22673	NASA-CASE-XGS-02317	•••••	c09 N71-23525
NASA-CASE-XER-09213	1	c26 N72-17820 c07 N71-12390	NASA-CASE-XGS-02319 NASA-CASE-XGS-02401	•••••	c14 N71-22965
NASA-CASE-XER-09519		c14 N71-18483	NASA-CASE-XGS-02422	••••••	c14 N69-27485 c15 N71-21529
NASA-CASE-XER-09521	• • • • • • • • • • • • • • • • • • • •	c09 N72-12136	NASA-CASE-XGS-02435	*****	c18 N71-22998
NASA-CASE-XER-11018	• • • • • • • • • • • • • • • • • • • •	c15 N70-22246	NASA-CASE-XGS-02437	************	c15 N69-21472
NASA-CASE-XER-11019 NASA-CASE-XER-11046	••••••	c09 N71-23598 c09 N72-22203	NASA-CASE-XGS-02439 NASA-CASE-XGS-02440	***************************************	c14 N71-19431
NASA-CASE-XER-11046-		c09 N72-21251	NASA-CASE-XGS-02440	**************	c08 N71-19432 c15 N70-41629
NASA-CASE-XER-11203	• • • • • • • • • • • • • • • • • • • •	c14 N71-28994	NASA-CASE-XGS-02554	•••••••	c31 N71-21064
NACA CACE VED 00404	*	04	NASA-CASE-XGS-02607	*************	c31 N71-23009
NASA-CASE-XFR-00181 NASA-CASE-XFR-00756	••••••	c21 N70-33279 c02 N71-13421	NASA-CASE-XGS-02608 NASA-CASE-XGS-02610	************	c07 N70-41678
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NASA-CASE-XFR-00929		c31 N70-34966	NASA-CASE-XGS-C2629	••••••	c14 N71-21082
NASA-CASE-XFR-02007	•••••	c12 N71-24692	NASA-CASE-XGS-02630	•••••	c03 N71-22974
NASA-CASE-XFR-03167 NASA-CASE-XFR-03802	• • • • • • • • • • • • • • • • • • • •	c09 N71-19449 c33 N71-23085	NASA-CASE-XGS-02631	•••••	c03 N71-23006
NASA-CASE-XFR-04104	• • • • • • • • • • • • • • • • • • • •	c03 N70-42073	NASA-CASE-XGS-02749 NASA-CASE-XGS-02751	***************************************	c07 N69-39978 c09 N71-23015
NASA-CASE-XFR-04147	• • • • • • • • • • • • • • • • • • • •	c11 N71-10748	NASA-CASE-XGS-02812	******************	c09 N71-19466
NASA-CASE-XFR-05302	• • • • • • • • • • • • • • • • • • • •	c15 N71-23254	NASA-CASE-XGS-02816	•••••	c07 N69-24323
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NASA-CASE-XFR-07172		c05 N71-73480	NASA-CASE-XGS-02889 NASA-CASE-XGS-03058	•••••	c07 N71-11282 c10 N71-19547
NASA-CASE-XFR-07658-		c05 N71-26293	NASA-CASE-XGS-03095	**************	c09 N69-27463
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NASA-CASE-XFR-09479 NASA-CASE-XFR-10856	• • • • • • • • • • • • • • • • • • • •	c14 N69-27503 c05 N71-11189	NASA-CASE-XGS-03230	•••••	c14 N71-23401
MASA CASE AIR 10050	•••••	CO2 N/1-11103	NASA-CASE-XGS-03303 NASA-CASE-XGS-03304	**************	c08 N71-18595 c09 N71-22988
NASA-CASE-XGS-00131	• • • • • • • • • • • • • • • • • • • •	c09 N70-38995	NASA-CASE-XGS-03351	*****************	c31 N71-16081
NASA-CASE-XGS-00174	• • • • • • • • • • • • • • • • • • • •	c08 N70-34743	NASA-CASE-XGS-03390		c03 N71-23187
NASA-CASE-XGS-00260 NASA-CASE-XGS-00359		c31 N70-37924 c14 N70-34158	NASA-CASE-XGS-03427	•••••	c10 N71-23029
NASA-CASE-XGS-00373		c23 N71-15978	NASA-CASE-XGS-G3429 NASA-CASE-XGS-03431	••••••	c03 N69-21330 c21 N71-15642
NASA-CASE-XGS-00381		c09 N70-34819	NASA-CASE-XGS-03501	**************	c09 N71-20864
NASA-CASE-XGS-00458 NASA-CASE-XGS-00466	•••••	c09 N70-38604	NASA-CASE-XGS-03502	*************	c10 N71-20852
NASA-CASE-XGS-00473		c21 N70-34297 c03 N70-38713	NASA-CASE-XGS-03505 NASA-CASE-XGS-03532	••••••	c03 N71-10608
NASA-CASE-XGS-00587		c15 N7G-35087	NASA-CASE-XGS-03556		c14 N71-17627 c27 N70-35534
NASA-CASE-XGS-00619	• • • • • • • • • • • • • • • • • • • •	c30 N70-40016	NASA-CASE-XGS-03632	*************	c09 N71-23311
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NASA-CASE-XGS-00740	••••••	c07 N71-23098 c14 N70-41647	NASA-CASE-XGS-03736 NASA-CASE-XGS-03864	•••••	c14 N72-22443
NASA-CASE-XGS-00783	*************	c30 N71-17788	NASA-CASE-XGS-03865	**************	c15 N69-24320 c14 N69-21363
NASA-CASE-XGS-00809	• • • • • • • • • • • • • • • • • • • •	c21 N70-35427	NASA-CASE-XGS-04047-		c03 N72-11062
NASA-CASE-XGS-00823 NASA-CASE-XGS-00824	•••••	c10 N71-15910	NASA-CASE-XGS-04119	•••••	c18 N69-39979
NASA-CASE-XGS-00886	• • • • • • • • • • • • • • • • • • • •	c15 N71-16078 c03 N71-11053	NASA-CASE-XGS-04173 NASA-CASE-XGS-04175	•••••	c19 N71-26674
NASA-CASE-XGS-00938	************	c32 N70-41367	NASA-CASE-XGS-04224		c15 N71-18579 c10 N71-26418
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NASA-CASE-XGS-01013 NASA-CASE-XGS-01021	• • • • • • • • • • • • • • • • • • • •	c14 N71-23725	NASA-CASE-XGS-C4393	•••••	c21 N71-14159
		c08 N71-21042 c07 N71-16088	NASA-CASE-XGS-04478 NASA-CASE-XGS-04480	•••••	c14 N71-24233
NASA-CASE-XGS-01023	*************	c14 N71-22992	NASA-CASE-XGS-C4531		c16 N69-27491 c03 N69-24267
NASA-CASE-XGS-01036	• • • • • • • • • • • • • • • • • • • •	c14 N70-40003	NASA-CASE-XGS-04548	*************	c15 N71-24045
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		c07 N69-24334 c10 N71-23662	NASA-CASE-XGS-04765 NASA-CASE-XGS-04766	•••••	c08 N71-18693
NASA-CASE-XGS-01143	••••••	c31 N71-15647	NASA-CASE-XGS-04767	******************	c08 N71-18602 c08 N71-12494
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NASA-CASE-XGS-01473	• • • • • • • • • • • • • • • • • • • •	c09 N71-10673	NASA-CASE-XGS-05289		c09 N71-19470

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		N71-16341	NASA-CASE-XLA-00204		c32 N70-36536
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NASA-CASE-XGS-05432		N71-19438	NASA-CASE-XLA-00210	• • • • • • • • • • • • • • • • • • • •	c30 N70-40309
NASA-CASE-XGS-05434	c03	N71-20491	NASA-CASE-XLA-00221		c02 N70-33266
		N71-22962	NASA-CASE-XLA-00229		c12 N70-33305
			NASA-CASE-XLA-00230		c02 N70-33255
		N71-17705		• • • • • • • • • • • • • • • • • • • •	
NASA-CASE-XGS-05533		N69-27487	NASA-CASE-XLA-00241		c31 N70-37986
NASA-CASE-XGS-05534	c23	N71-16355	NASA-CASE-XLA-00256		c31 N71-15663
		N71-15676	NASA-CASE-XLA-00258	• • • • • • • • • • • • • • • • • • • •	c31 N70-38676
					c21 N70-36943
		N69-27460	NASA-CASE-XLA-00281	•••••	
NASA-CASE-XGS-05680	c14	N71-17585	NASA-CASE-XLA-00284		c15 N71-16075
		N71-16100	NASA-CASE-XLA-003G2		c15 N71-16077
		N71-16037	NASA-CASE-XLA-00304	••••	c27 N70-34783
NASA-CASE-XGS-05918		N69-39974	NASA-CASE-XLA-00326	• • • • • • • • • • • • • • • • • • • •	c03 N70-34667
NASA-CASE-XGS-06226	c10	N71-25950	NASA-CASE-XLA-00327		c25 N71-29184
NASA-CASE-XGS-06306	c17	א71-16044	NASA-CASE-XLA-00330		c33 N70-34540
		N71-16213	NASA-CASE-XLA-00349	••••	c33 N70-37979
		N71-16099	NASA-CASE-XLA-00350	************	c02 N70-38011
NASA-CASE-XGS-07752	c14	N73-30390	NASA-CASE-XLA-00377		c33 N71-17610
NASA-CASE-XGS-07801	c09	N71-12513	NASA-CASE-XLA-00378		c11 N71-15925
· · · · · · · · · · · · · · · · · · ·	4.5	N72-33476	NASA-CASE-XLA-00414		c07 N70-38200
		N71-23698	NASA-CASE-XLA-00415	•••••	c15 N71-16079
NASA-CASE-XGS-08266	C14	N69-27432	NASA-CASE-XLA-00471		c08 N70-34778
NASA-CASE-XGS-08269	c23	N71-26206 !	NASA-CASE-XLA-00481		c14 N70-36824
	4.0	N71-21473	NASA-CASE-XLA-00482		c15 N7C-36409
		N71-24600	NASA-CASE-XLA-00487	• • • • • • • • • • • • • • • • • • • •	c14 N70-40157
NASA-CASE-XGS-08729		N71-14044	NASA-CASE-XLA-00492	• • • • • • • • • • • • • • • • • • • •	c14 N70-34799
NASA-CASE-XGS-09190	c31	N71-16102	NASA-CASE-XLA-00493		c11 N70-34786
		N72-15986	NASA-CASE-XLA-00495	•••••	c14 N70-41332
			NASA-CASE-XLA-00670		c08 N71-12501
		N71-28554		• • • • • • • • • • • • • • • • • • • •	
NASA-CASE-XGS-11177	c09	N71-27001	NASA-CASE-XLA-00675	• • • • • • • • • • • • • • • • • • • •	c25 N70-33267
		i	NASA-CASE-XLA-00678		c31 N70-34296
NASA-CASE-XHQ-01208	c15	N70-35409	NASA-CASE-XLA-00679		c15 N70-38601
		ท70-35381	NASA-CASE-XLA-00686		c31 N70-34135
				•••••	c03 N71-12258
		N71-29046	NASA-CASE-XLA-00711	• • • • • • • • • • • • • • • • • • • •	
NASA-CASE-XHQ-03903	c15	N69-21922	NASA-CASE-XLA-00754		c15 N7C-34850
NASA-CASE-XHO-04106	c14	N70-40240	NASA-CASE-XLA-00755		c01 N71-13410
			NASA-CASE-XLA-00781		c09 N71-22999
NASA-CASE-XKS-00348	a00	N73-14215	NASA-CASE-XLA-00791		c03 N70-39930
		N71-10782	NASA-CASE-XLA-00793		c21 N71-22880
NASA-CASE-XKS-02342	c05	N71-11199	NASA-CASE-XLA-00805		c31 N70-38010
NASA-CASE-XKS-02582	c15	N71-21234	NASA-CASE-XLA-00806		c02 N70-34858
		N71-24043	NASA-CASE-XLA-00838		c03 N70-36778
					c33 N71-17897
		N71-22796	NASA-CASE-XLA-00892	************	
NASA-CASE-XKS-03495	C14	N69-39785	NASA-CASE-XLA-00898	• • • • • • • • • • • • • • • •	c02 N70-36804
NASA-CASE-XKS-03509	c14	N71-23175	NASA-CASE-XLA-00901		c07 N71-10775
		N69-21460	NASA-CASE-XLA-00934		c14 N71-22765
	4.0	N71-23663	NASA-CASE-XLA-00936		c14 N71-14996
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		N71-26787	NASA-CASE-XLA-00937	• • • • • • • • • • • • • • • • • • • •	c31 N71-17691
NASA-CASE-XKS-06167	с08	N71-24890	NASA-CASE-XLA-00939		c11 N71-15926
NASA-CASE-XKS-06250	c14	N71-15600	NASA-CASE-XLA-00941		c14 N71-23240
		N71-27067	NASA-CASE-XLA-01019		c15 N70-40156
		N71-26134	NASA-CASE-XLA-01027		c31 N71-24035
					c28 N71-10780
		N71-15566	NASA-CASE-XLA-01043	************	
NASA-CASE-XKS-08485		N71-19493	NASA-CASE-XLA-01090		c07 N71-12389
NASA-CASE-XKS-09340	c07	N71-24614	NASA-CASE-XLA-01090		c16 N71-28963
		N71-13521	NASA-CASE-XLA-01091		c15 N71-10672
		N71-26292	NASA-CASE-XLA-01127		c07 N70-41372
NASA-CASE-XKS-10804	c05	N71-24606	NASA-CASE-XLA-01131		c14 N71-10774
		ļ	NASA-CASE-XLA-01141		c15 N71-13789
NASA-CASE-XLA-8914	c15	N73-12492	NASA-CASE-XLA-01163		c21 N71-15582
		N71-29136	NASA-CASE-XLA-01219	************	c10 N71-23084
	4.0	N70-33254	NASA-CASE-XLA-01220		c02 N7C-41863
	4.4	N70-33332	NASA-CASE-XLA-01243	• • • • • • • • • • • • • • • • • • • •	c33 N71-22792
NASA-CASE-XLA-00100	C14	ท70-36807	NASA-CASE-XLA-01262	************	c15 N71-21404
NASA-CASE-XLA-00105	c28	N70-33331	NASA-CASE-XLA-01288		c09 N69-21470
NASA-CASE-XLA-00112	c11	N70-33287	NASA-CASE-XLA-01290		c02 N70-42016
		N70-33386	NASA-CASE-XLA-01291		c33 N70-36617
		N70-33343	NASA-CASE-XLA-C1326		c11 N71-21481
NASA-CASE-XLA-00117	c31	ห71-17680	NASA-CASE-XLA-01332		c31 N71-15664
		N70-33285	NASA-CASE-XLA-01339		c31 N71-15692
		N70-33329	NASA-CASE-XLA-01353		c14 N70-41366
		N70-33181	NASA-CASE-XLA-01354		c25 N70-36946
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		N70-37925	NASA-CASE-XLA-01396		c03 N71-12259
NASA-CASE-XLA-G0135	c14	N 70- 33322	NASA-CASE-XLA-01400		c07 N70-41331
		N7C-33180	NASA-CASE-XLA-01461		c15 N71-21179
		N70-37981	NASA-CASE-XLA-01441		c15 N70-41679
		N70-33312	NASA-CASE-XLA-01446		c15 N71-21528
		N70-33312			
			NASA-CASE-XLA-01486	• • • • • • • • • • • • • • • • • • • •	c01 N71-23497
		N70-34661	NASA-CASE-XLA-01494	• • • • • • • • • • • • • • • • • • • •	c15 N71-24164
NASA-CASE-XLA-00149	c31	ท70-37938	NASA-CASE-XLA-01530		c14 N71-23092
		N70-33374	NASA-CASE-XLA-01551		c14 N71-22989
		N70-36805	NASA-CASE-XLA-01552		c07 N71-11284
TOTAL STATE STATE AND A LABOR.		N70-33242			
			NASA-CASE-XLA-01583	• • • • • • • • • • • • • • • • • • • •	c02 N70-36825
		N70-34178	NASA-CASE-XLA-01584	• • • • • • • • • • • • • • • • • • • •	c14 N71-23269
		N70-40239	NASA-CASE-XLA-01731	•••••	c32 N71-21045
		N71-22874	NASA-CASE-XLA-01745		c33 N71-28903
		N70-36846	NASA-CASE-XLA-01781	•••••	c14 N69-39975
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		N70-38009	NASA-CASE-XLA-01782	•••••	c14 N71-26136

NASA-CASE-XLA-01787		c11 N71-16028	NASA-CASE-XLA-G5966	•••••	c15 N72-12408
NASA-CASE-XLA-01791		c14 N71-22991	NASA-CASE-XLA-06095	************	c01 N69-39981
NASA-CASE-XLA-01794		c33 N71-21586	NASA-CASE-XLA-06199		
NASA-CASE-XLA-01804	• • • • • • • • • • • • • • • • • • • •	c02 N70-34160	NASA-CASE-XLA-06232	••••••	c15 N71-24875
NASA-CASE-XLA-01807	• • • • • • • • • • • • • • • • • • • •	c15 N71-10799		••••••	c25 N71-20563
NASA-CASE-XLA-01808		c15 N71-26740	NASA-CASE-XLA-06339	••••••	c02 N71-13422
NASA-CASE-XLA-01832	••••••	c14 N71-21006	NASA-CASE-XLA-06683	•••••••	c14 N72-28436
NASA-CASE-XLA-01907			NASA-CASE-XLA-06713	,·····	c14 N71-28991
NASA-CASE-XLA-01926	• • • • • • • • • • • • • • • • • • • •	c14 N71-23268	NASA-CASE-XLA-06824-	-2	c02 N71-11037
	• • • • • • • • • • • • • • • • • • • •	c14 N71-15620	NASA-CASE-XLA-06958	**********	c02 N71-11038
NASA-CASE-XLA-01952	• • • • • • • • • • • • • • • • • • • •	c08 N71-12507	NASA-CASE-XLA-07390	• • • • • • • • • • • • • • • • • • • •	c15 N71-18616
NASA-CASE-XLA-01967	• • • • • • • • • • • • • • • • • • • •	c31 N70-42015	NASA-CASE-XLA-07391		c12 N71-17579
NASA-CASE-XLA-01987	• • • • • • • • • • • • • • •	c23 N71-23976	NASA-CASE-XLA-07424		c14 N71-18482
NASA-CASE-XLA-01989	• • • • • • • • • • • • • • •	c21 N70-34295	NASA-CASE-XLA-07430	*************	c11 N72-22246
NASA-CASE-XLA-01995		c18 N71-23047	NASA-CASE-XLA-07473	*************	c15 N71-24895
NASA-CASE-XLA-02G50		c31 N71-22968	NASA-CASE-XLA-07497	******************	c09 N71-12514
NASA-CASE-XLA-02657		c26 N70-40015	NASA-CASE-XLA-07728	**************	
NASA-CASE-XLA-02059		c33 N71-24276	NASA-CASE-XLA-07732		c33 N71-22890
NASA-CASE-XLA-02079	************	c12 N71-16894	NASA-CASE-XLA-07788	•••••	c08 N71-18751
NASA-CASE-XLA-02081	•••••••	c20 N71-16281		•••••	c09 N71-29139
NASA-CASE-XLA-02131	••••••	c32 N70-42003	NASA-CASE-XLA-07813	•••••	c14 N72-17328
NASA-CASE-XLA-02132			NASA-CASE-XLA-07828	• • • • • • • • • • • • • • • • • • • •	c08 N71-27057
	• • • • • • • • • • • • • • • • • • • •	c31 N71-10582	NASA-CASE-XLA-07829	•••••	c15 N72-16329
NASA-CASE-XLA-02332	• • • • • • • • • • • • • • • • • • • •	c32 N71-17609	NASA-CASE-XLA-07911		c15 N71-15571
NASA-CASE-XLA-02551	• • • • • • • • • • • • • • • • • • • •	c21 N71-21708	NASA-CASE-XLA-08254		c14 N71-26161
NASA-CASE-XLA-02605	• • • • • • • • • • • • • • • • • • • •	c14 N71-10773	NASA-CASE-XLA-08491	•••••	c05 N69-21380
NASA-CASE-XLA-02609	• • • • • • • • • • • • • • • • • •	c09 N72-25256	NASA-CASE-XLA-08493		c10 N71-19421
NASA-CASE-XLA-02619	• • • • • • • • • • • • • • • • • •	c10 N71-26334	NASA-CASE-XLA-08507	***********	c09 N69-39984
NASA-CASE-XLA-02651		c28 N70-41967	NASA-CASE-XLA-08530	*************	c32 N71-25360
NASA-CASE-XLA-02704		c11 N69-21540	NASA-CASE-XLA-08645	••••••••	c15 N69-21465
NASA-CASE-XLA-02705	• • • • • • • • • • • • • • • • • • • •	C08 N71-15908	NASA-CASE-XLA-08646	**************	c14 N71-17586
NASA-CASE-XLA-02758	••••••	c14 N71-18481	NASA-CASE-XLA-08799	**************	c10 N71-17586
NASA-CASE-XLA-02809		c15 N71-22982	NASA-CASE-XLA-08801-		
NASA-CASE-XLA-02810		c14 N71-25901	NASA-CASE-XLA-08802		c02 N71-11043
NASA-CASE-XLA-02850	************	c09 N71-20447		•••••	c06 N71-11238
NASA-CASE-XLA-02854		c15 N69-27490	NASA-CASE-XLA-08911	************	c15 N71-27214
NASA-CASE-XLA-02865	• • • • • • • • • • • • • • • • • • • •	c28 N71-15563	NASA-CASE-XLA-08913	• • • • • • • • • • • • • • • • • • • •	c14 N71-28933
NASA-CASE-XLA-02898			NASA-CASE-XLA-08916	•••••	c15 N71-29018
NASA-CASE-XLA-03076	•••••	c05 N71-20268	NASA-CASE-XLA-08916-		c14 N73-28487
	• • • • • • • • • • • • • • • • • • • •	c07 N71-11266	NASA-CASE-XLA-08966-	1	c17 N71-25903
NASA-CASE-XLA-03102	•••••	c14 N71-21079	NASA-CASE-XLA-08967	• • • • • • • • • • • • • • • • • • • •	c02 N71-27088
NASA-CASE-XLA-03103	•••••	c25 N71-21693	NASA-CASE-XLA-09122	•••••	c15 N69-27505
NASA-CASE-XLA-03104	• • • • • • • • • • • • • • • •	c06 N71-11235	NASA-CASE-XLA-09346		c15 N71-28740
NASA-CASE-XLA-03105	••••••	c15 N69-27483	NASA-CASE-XLA-09371	**************	c10 N71-18724
NASA-CASE-XLA-03114		c09 N71-22888	NASA-CASE-XLA-09480	*********	c11 N71-33612
NASA-CASE-XLA-03127	• • • • • • • • • • • • • • • • • • • •	c11 N71-10776	NASA-CASE-XLA-09714	************	c03 N70-35700
NASA-CASE-XLA-03132		c31 N71-22969	NASA-CASE-XLA-09843	*************	c15 N72-27485
NASA-CASE-XLA-03135		c32 N71-16428	NASA-CASE-XLA-09881		
NASA-CASE-XLA-03213	• • • • • • • • • • • • • • • • • • • •	c05 N71-11207	NASA-CASE-XLA-10322	•••••	c31 N71-16085
NASA-CASE-XLA-03271	••••••	c11 N69-24321	NASA-CASE-XLA-10402	•••••	c15 N72-17452
NASA-CASE-XLA-03273	***************	c14 N71-18699		••••••	c14 N71-29041
NASA-CASE-XLA-03356	*************	c10 N71-23315	NASA-CASE-XLA-10450	•••••	c28 N71-21493
NASA-CASE-XLA-03374			NASA-CASE-XLA-1047C	•••••	c15 N72-21489
NASA-CASE-XLA-03375	•••••	c25 N71-15562	NASA-CASE-XLA-10772	***********	c07 N71-28980
NASA-CASE-XLA-03410	• • • • • • • • • • • • • • • • • • • •	c16 N71-24074	NASA-CASE-XLA-11028	••••••	c15 N72-21486
NASA-CASE-XLA-03492	• • • • • • • • • • • • • • • • • • • •	c16 N71-25914	NASA-CASE-XLA-11154	************	c07 N72-21117
	••••••	c15 N71-22713	NASA-CASE-XLA-11189		c10 N72-20222
NASA-CASE-XLA-03497	• • • • • • • • • • • • • • •	c15 N71-23052			
NASA-CASE-XLA-03538	• • • • • • • • • • • • • • • • • • • •	c15 N71-24897	NASA-CASE-XLE-00005	•••••	c28 N70-39899
NASA-CASE-XLA-03645	•••••	c14 N71-20430	NASA-CASE-XLE-00010		c15 N76-33382
NASA-CASE-XLA-03659	• • • • • • • • • • • • • • • • • • • •	c02 N71-11041	NASA-CASE-XLE-00011	•••••	c14 N70-41946
NASA-CASE-XLA-03660	• • • • • • • • • • • • • • • • • • • •	c15 N71-21060	NASA-CASE-XLE-00020	••••••	c15 N70-33226
NASA-CASE-XLA-03661		c15 N71-33518	NASA-CASE-XLE-00023	************	c15 N70-33330
NASA-CASE-XLA-03691		c31 N71-15674	NASA-CASE-XLE-00027	************	c33 N71-29152
NASA-CASE-XLA-03724		c14 N69-27461	NASA-CASE-XLE-00035	*************	c33 N71-29151
NASA-CASE-XLA-03893		c10 N71-27271	NASA-CASE-XLE-00037		
NASA-CASE-XLA-04063	• • • • • • • • • • • • • • • • • • • •	c31 N71-33160	NASA-CASE-XLE-00046	•••••••	c28 N70-33372
NASA-CASE-XLA-04126		c28 N71-26779	NASA-CASE-XLE-00057		c15 N70-33311
NASA-CASE-XLA-04143	•••••	c15 N71-17687	NASA-CASE-XLE-00078	••••••	c28 N70-38711
NASA-CASE-XLA-04251	• • • • • • • • • • • • • • • • • • • •	c18 N71-26100	NASA-CASE-XLE-00078	••••••	c28 N70-33284
NASA-CASE-XLA-04295	••••••	c16 N71-24170		•••••	c28 N70-39895
NASA-CASE-XLA-04451	•••••••	c02 N71-12243	NASA-CASE-XLE-00092	••••••	c15 N70-33264
NASA-CASE-XLA-04555-1		c14 N71-25892	NASA-CASE-XLE-00101	•••••	c15 N70-33376
NASA-CASE-XLA-04556	***************************************		NASA-CASE-XLE-00103	*******	c28 N70-33241
NASA-CASE-XLA-04605		c14 N69-27484	NASA-CASE-XLE-00106	••••••	c15 N71-16076
NASA-CASE-XLA-04622	************	c32 N71-16106	NASA-CASE-XLE-00111	************	c28 N70-38199
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NASA-CASE-XLA-04804	• • • • • • • • • • • • • • • • • • • •	c31 N71-23008	NASA-CASE-XLE-00144	• • • • • • • • • • • • • • • • • • • •	c28 N70-34860
NASA-CASE-XLA-04897	• • • • • • • • • • • • • • • • • • • •	c15 N72-22482	NASA-CASE-XLE-00145	•••••	c28 N70-36806
NASA-CASE-XLA-04901	• • • • • • • • • • • • • • • • • • • •	c31 N71-24315	NASA-CASE-XLE-00150	•••••	c28 N70-41818
NASA-CASE-XLA-04980	• • • • • • • • • • • • • • • •	c09 N69-27422	NASA-CASE-XLE-00151	**************	c17 N70-33283
NASA-CASE-XLA-04980-2	**********	c14 N72-28438	NASA-CASE-XLE-00155	**************	c28 N71-29154
NASA-CASE-XLA-05056	• • • • • • • • • • • • • • • • • • • •	c15 N72-11389	NASA-CASE-XLE-00164		
	• • • • • • • • • • • • • • • • • • • •	c14 -N73-30391	NASA-CASE-XLE-00168	************	c15 N70-36411
NASA-CASE-XLA-05099	••••••	c09 N73-13209	NASA-CASE-XLE-00170	•••••	c11 N70-33278
NASA-CASE-XLA-05100	***********	c15 N71-17696		••••••	c15 N70-36412
MACI-CACE WILL OCCOR	•••••	c05 N71-11194	NASA-CASE-XLE-00177	•••••	c28 N70-40367
WACA CAGE WAS A CO.CO	• • • • • • • • • • • • • • •	c31 N71-15687	NASA-CASE-XLE-00207	• • • • • • • • • • • • • • • • • • • •	c28 N70-33375
NACA CACE WILL OFFICE			NASA-CASE-XLE-00208	•••••	c28 N70-34294
	• • • • • • • • • • • • • • • • • • • •	c11 N71-21475	NASA-CASE-XLE-00209	• • • • • • • • • • • • • • • • • • • •	c22 N73-32528
MACA CACE WAS OFFICE	• • • • • • • • • • • • • • • • • • • •	c21 N71-14132	NASA-CASE-XLE-00212	• • • • • • • • • • • • • • • • • • • •	c03 N70-34134
NACA CACE WILL DETECT	• • • • • • • • • • • • • • • • • • • •	c12 N71-26387	NASA-CASE-XLE-00222	• • • • • • • • • • • • • • • • • • • •	c02 N70-37939
	• • • • • • • • • • • • • • • • • • • •	c15 N71-19569	NASA-CASE-XLE-00228	• • • • • • • • • • • • • • • • • • • •	c17 N70-38490
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NASA-CASE-XLA-05906	• • • • • • • • • • • • • • • •	c31 N71-16221	V101 C107 FF 00040	••••••	c14 N70-38602
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NASA-CASE-XLE-00252		c11 N70-34844	NASA-CASE-XLE-03155-2	c09 N72-20205
		c14 N70-34156	NASA-CASE-XLE-03157	c28 N71-24736
		c28 N70-33356	NASA-CASE-XLE-03280	c14 N71-23093
		c17 N70-36616	NASA-CASE-XLE-03307	c33 N71-14035
		c15 N70-34247	NASA-CASE-XLE-03432	c33 N71-24145
		c22 N70-34501	NASA-CASE-XLE-03494	c27 N71-21819
		c14 N70-36808	NASA-CASE-XLE-03512	c12 N69-21466
		c15 N70-36535	NASA-CASE-XLE-03583	c31 N71-17629
		c22 N70-34572	NASA-CASE-XLE-03629	c17 N71-23248
		c28 N70-38505	NASA-CASE-XLE-03778	c09 N69-21542
NASA-CASE-XLE-00335		c14 N70-35368	NASA-CASE-XLE-03803	c15 N71-23816
	•••••	c28 N70-37980	NASA-CASE-XLE-03803-2	c15 N71-17651
NASA-CASE-XLE-00345		c15 N70-38020	NASA-CASE-XLE-03804	c10 N71-19471
	• • • • • • • • • • • • • • •	c18 N70-39897	NASA-CASE-XLE-03925	c18 N71-22894
NASA-CASE-XLE-00376	•••••	c28 N70-37245	NASA-CASE-XLE-03940	c18 N71-26153
NASA-CASE-XLE-00387	• • • • • • • • • • • • • • • •	c33 N70-34812	NASA-CASE-XLE-03940-2	c17 N72-28536
NASA-CASE-XLE-00388	•••••	c28 N70-34788	NASA-CASE-XLE-04026	c14 N71-23267
NASA-CASE-XLE-00397		c15 N70-36492	NASA-CASE-XLE-04222	c23 N71-22881
NASA-CASE-XLE-00409	••••••	c28 N71-15658	NASA-CASE-XLE-04250	c09 N71-20446
NASA-CASE-XLE-00454		c23 N71-17802	NASA-CASE-XLE-04501	c09 N71-23190
NASA-CASE-XLE-00455		c28 N70-38197	NASA-CASE-XLE-04503	c14 N71-24864
NASA-CASE-XLE-00490		c33 N70-34545	NASA-CASE-XLE-04526	c03 N71-11052
NASA-CASE-XLE-00503		c14 N70-34818	NASA-CASE-XLE-04535	c03 N71-23354
NASA-CASE-XLE-00519		c28 N7C-41576	NASA-CASE-XLE-04599	c22 N72-20597
NASA-CASE-XLE-00586		c15 N71-15968	NASA-CASE-XLE-04603	c33 N71-21507
		c32 N70-41579	NASA-CASE-XLE-04677	c15 N71-10577
NASA-CASE-XLE-00620	• • • • • • • • • • • • • • • • • • • •	c28 N70-39925	NASA-CASE-XLE-04787	c03 N71-20492
NASA-CASE-XLE-00660		c28 N70-41992	NASA-CASE-XLE-04788	c09 N71-22987
NASA-CASE-XLE-00685 NASA-CASE-XLE-00688		c14 N70-41330	NASA-CASE-XLE-04857	c28 N71-23968
		c25 N69-39884	NASA-CASE-XLE-04946	c17 N71-24911
NASA-CASE-XLE-00690 NASA-CASE-XLE-00762		c14 N70-40203	NASA-CASE-XLE-05033	c15 N71-23810
		c15 N71-15967	NASA-CASE-XLE-05079	c15 N71-17652
NASA-CASE-XLE-00703	• • • • • • • • • • • • • • • • • • • •	c15 N70-34859	NASA-CASE-XLE-05130	c15 N69-21362
NASA-CASE-XLE-00715		c14 N70-40201	NASA-CASE-XLE-05130-2	c15 N71-19570
NASA-CASE-XLE-00720		c14 N70-34669	NASA-CASE-XLE-05230	c14 N72-27410
NASA-CASE-XLE-00724	• • • • • • • • • • • • • • • • • • • •	c17 N71-15644	NASA-CASE-XLE-05230-2	c14 N73-13417
NASA-CASE-XLE-00726	• • • • • • • • • • • • • • • • • • • •	c33 N71-16104	NASA-CASE-XLE-05260	c14 N71-20429
NASA-CASE-XLE-00785	• • • • • • • • • • • • • • • • • • • •	c14 N71-21090	NASA-CASE-XLE-05641-1	c15 N71-26346
NASA-CASE-XLE-00787	• • • • • • • • • • • • • • • • • • • •	c24 N71-10560	NASA-CASE-XLE-05689	c28 N71-15659
NASA-CASE-XLE-00808	• • • • • • • • • • • • • • • • • • • •	c15 N70-34861	NASA-CASE-XLE-05799	c22 N72-21644
NASA-CASE-XLE-00810	• • • • • • • • • • • • • • • • • • • •	c15 N70-35407	NASA-CASE-XLE-05913	c33 N71-14032
NASA-CASE-XLE-60815	• • • • • • • • • • • • • • • • • • • •	c28 N70-33265	NASA-CASE-XLE-06461	c17 N72-22530
NASA-CASE-XLE-00817	• • • • • • • • • • • • • • • • • • • •	c22 N70-34248	NASA-CASE-XLE-06461-2	c17 N72-28535
NASA-CASE-XLE-00818	• • • • • • • • • • • • • • • • • • • •	c14 N71-16014	NASA-CASE-XLE-06773	c15 N71-23817
NASA-CASE-XLE-00820	• • • • • • • • • • • • • • • • • • • •	c25 N71-15650	NASA-CASE-XLE-06774-2	c06 N72-25150
NASA-CASE-XLE-00821	• • • • • • • • • • • • • • • • • • • •	c15 N71-15966	NASA-CASE-XLE-06969	c17 N71-24142
NASA-CASE-XLE-00953	• • • • • • • • • • • • • • • • • • • •	cC3 N69-39898	NASA-CASE-XLE-07087	c06 N69-39889
NASA-CASE-XLE-01015	• • • • • • • • • • • • • • • • • • • •	c15 N71-22797	NASA-CASE-XLE-08511	c18 N71-23710
NASA-CASE-XLE-01092	• • • • • • • • • • • • • • • • • • • •	c28 N71-14043	NASA-CASE-XLE-08511-2	c18 N71-16105
NASA-CASE-XLE-01124	• • • • • • • • • • • • • • • • • • • •	c27 N71-15635	NASA-CASE-XLE-08569	c03 N71-23449
NASA-CASE-XLE-01182	• • • • • • • • • • • • • • • • • • • •	c14 N71-10797	NASA-CASE-XLE-08569-2	c03 N71-24681
NASA-CASE-XLE-01246	• • • • • • • • • • • • • • • • • • • •	c15 N70-41993	NASA-CASE-XLE-08917	c15 N71-15597
NASA-CASE-XLE-01300	• • • • • • • • • • • • • • • • • • • •	c33 N71-15625	NASA-CASE-XLE-08917-2	c15 N71-24836
NASA-CASE-XLE-01399	• • • • • • • • • • • • • • • • • • • •	c15 N70-41646	NASA-CASE-XLE-09341	c12 N71-28741
NASA-CASE-XLE-01449	• • • • • • • • • • • • • • • • • • • •	c14 N71-10781	NASA-CASE-XLE-09475-1	c33 N71-15568
NASA-CASE-XLE-01481	• • • • • • • • • • • • • • • • • • • •	c12 N70-40124	NASA-CASE-XLE-09527	c15 N71-17688
NASA-CASE-XLE-01512	• • • • • • • • • • • • • • • • • • • •	c11 N71-10777	NASA-CASE-XLE-09527-2	c15 N71-26189
NASA-CASE-XLE-01533	2	c15 N71-15610	NASA-CASE-XLE-10326-2	c15 N72-29488
NASA-CASE-XLE-01604-		c14 N71-10500	NASA-CASE-XLE-10326-4	c15 N72-27522
NASA-CASE-XLE-01609 NASA-CASE-XLE-01640	• • • • • • • • • • • • • • • • • • • •	c31 N71-15637	NASA-CASE-XLE-10337	c15 N71-24C46
	• • • • • • • • • • • • • • • • • • • •	c03 N71-20904	NASA-CASE-XLE-10453-2	c28 N73-27699
NASA-CASE-XLE-01645 NASA-CASE-XLE-01716		c09 N70-40234	NASA-CASE-XLE-10466	c17 N69-25147
NASA-CASE-XLE-01716 NASA-CASE-XLE-01765		c18 N71-10772	NASA-CASE-XLE-10529	c14 N69-23191
NASA-CASE-XLE-01783		c28 N7C-34175	NASA-CASE-XLE-10715	c26 N71-23292
NASA-CASE-ALE-01763 NASA-CASE-XLE-01902		c28 N71-10574	NASA-CASE-XLE-10910	c18 N71-29040
NASA-CASE-XLE-01902		c22 N71-23599	NASA-CASE-XLE-103477-1	c28 N71-20330
NASA-CASE-XLE-01903		c27 N71-15634		
NASA-CASE-XLE-01980		c06 N71-23527	NASA-CASE-XMF-00148	c28 N70-38710
NASA-CASE-XLE-01997		c09 N71-21583	NASA-CASE-XMF-00185	c21 N70-34539
NASA-CASE-XLE-02006 NASA-CASE-XLE-02024		c14 N71-22964	NASA-CASE-XMF-00324	c09 N70-34596
NASA-CASE-XLE-02024		c09 N71-16086	NASA-CASE-XMF-00339	c15 N70-39896
NASA-CASE-XLE-02066		c28 N71-15661	NASA-CASE-XMF-00341	c15 N70-33323
NASA-CASE-XLE-02082		c17 N71-16026	NASA-CASE-XMF-00369	c09 N70-36494
NASA-CASE-XLE-02082 NASA-CASE-XLE-02083		c03 N69-39983	NASA-CASE-XMF-00375	c15 N70-34249
NASA-CASE-XLE-02428		c17 N70-33288	NASA-CASE-XMF-00389	c31 N70-34176
NASA-CASE-XLE-02529-		c09 N72-32229	NASA-CASE-XMF-G0392	c15 N7C-34814
NASA-CASE-XLE-02531	• • • • • • • • • • • • • • • • • • • •	c05 N71-23080	NASA-CASE-XMF-00411	c11 N70-36913
NASA-CASE-XLE-02578		c25 N71-20747	NASA-CASE-XMF-00421	c09 N70-34502
NASA-CASE-XLE-02576		c12 N69-39988	NASA-CASE-XMP-00424	c11 N70-38196
NASA-CASE-XLE-02647		c18 N71-23658	NASA-CASE-XMF-00437	c07 N70-40202
NASA-CASE-XLE-02792		c26 N71-10607	NASA-CASE-XMF-00442	c31 N71-10747
NASA-CASE-XLE-02798		c26 N71-23654	NASA-CASE-XMF-00447	c14 N70-33179
NASA-CASE-XLE-02823		C09 N71-23443	NASA-CASE-XMF-00456	c14 N70-34705
NASA-CASE-XLE-02824		c03 N69-39890	NASA-CASE-XMF-00462	c14 N70-34298
NASA-CASE-XLE-02902		c25 N71-21694	NASA-CASE-XMF-00479	c14 N70-34794
NASA-CASE-XLE-02991		c17 N71-16025	NASA-CASE-XMF-00480	c14 N70-39898
NASA-CASE-XLE-02998	•••••	c14 N70-42074	NASA-CASE-XMF-00515	c15 N70-34664
NASA-CASE-XLE-02999		c15 N71-16052	NASA-CASE-XMF-00517	c03 N70-34157
NASA-CASE-XLE-03061-		c10 N71-24798	NASA-CASE-XMF-G0580	c11 N70-35383

NASA-CASE-XMF-00640		c15 N70-39924	NASA-CASE-XMP-05114-3	
NASA-CASE-XMF-00641	• • • • • • • • • • • • • • • • • • • •	c31 N70-36410	W1.01 0100 40110	c15 N71-24865
NASA-CASE-XMF-00658	*************	c12 N70-38997		c10 N71-24861
NASA-CASE-XMF-00663	• • • • • • • • • • • • • • • • • • • •	c08 N71-18752	NACA-CACE WHE OFFICE	c14 N71-23726
NASA-CASE-XMF-G0684	• • • • • • • • • • • • • • • • • • • •	c21 N71-21688	NASA-CASE-XMF-05279	c18 N71-16124
NASA-CASE-XMF-00701	••••••	c09 N70-40272	NASA-CASE-XMF-05344	c31 N71-16345
NASA-CASE-XMF-00722		c15 N70-40272	NASA-CASE-XMP-05835	c08 N71-12504
NASA-CASE-XMF-00906			NASA-CASE-XMF-05843	c03 N71-11055
NASA-CASE-XMF-00908	• • • • • • • • • • • • • • • • • • • •	c09 N70-41655	NASA-CASE-XMF-05844	c14 N71-17587
		c14 N70-40238	NASA-CASE-XMF-05941	c31 N71-23912
NASA-CASE-XMF-00923	• • • • • • • • • • • • • • • • • • • •	c28 N70-36802	NASA-CASE-XMF-05999	c15 N71-29032
NASA-CASE-XMF-00968	• • • • • • • • • • • • • • • • • • • •	c28 N71-15660	NASA-CASE-XMF-06065	c15 N71-20395
NASA-CASE-XMF-01016		c26 N71-17818	NASA-CASE-XMF-06092	c07 N71-24612
NASA-CASE-XMF-01030		c18 N70-41583	NASA-CASE-XMF-06409	c06 N71-23230
NASA-CASE-XMF-01045		c15 N70-40354	NASA-CASE-XMF-06515	
NASA-CASE-XMF-01049		c15 N71-23049	Wash Cases was Access	C14 N71-23227
NASA-CASE-XMF-01083	• • • • • • • • • • • • • • • • • • • •	c15 N71-22723	NACA CACE WHO OCEDA	c09 N71-12519
NASA-CASE-XMF-01096	• • • • • • • • • • • • • • • • • • • •	c10 N71-16030	N101 0100 0100	c14 N71-17575
NASA-CASE-XMF-01097		c10 N71-16058	Wich Chan was access	c05 N71-23159
NASA-CASE-XMF-01099	••••••	c14 N71-15969	NASA-CASE-XMF-06617	c09 N71-24843
NASA-CASE-XMF-01129	• • • • • • • • • • • • • • • • • • • •	c09 N70-38712	NASA-CASE-XMF-06888	c15 N71-24044
NASA-CASE-XMF-01160			NASA-CASE-XMF-06892	c09 N71-24805
NASA-CASE-XMF-01174	• • • • • • • • • • • • • • • • • • • •	c07 N71-11298	NASA-CASE-XMF-06926	c28 N71-22983
NASA-CASE-XHF-01371	• • • • • • • • • • • • • • • • • • • •	c02 N70-41589	NASA-CASE-XMF-07069	c15 N71-23815
	• • • • • • • • • • • • • • • •	c15 N70-41829	NASA-CASE-XMF-07488	c11 N71-18773
NASA-CASE-XMF-01402	••••••	c18 N71-21651	NASA-CASE-XMF-07587	c15 N71-18701
NASA-CASE-XMF-01452	• • • • • • • • • • • • • • • • • • • •	c15 N70-41371	NASA-CASE-XMF-07770-2	c18 N71-26772
NASA-CASE-XMF-01483	• • • • • • • • • • • • • • • •	c14 N69-27431	NASA-CASE-XMF-07808	c15 N71-23812
NASA-CASE-XMF-01543	• • • • • • • • • • • • • • • • • •	c31 N71-17730	NASA-CASE-XMF-08217	c03 N71-23239
NASA-CASE-XMF-01544	• • • • • • • • • • • • • • • • • • • •	c28 N70-34162	NASA-CASE-XMF-08522	
NASA-CASE-XMF-01598	• • • • • • • • • • • • • • • • • • • •	c21 N71-15583	NACA-CACE VMD ACCOS	c15 N71-19486
NASA-CASE-XMF-01599	• • • • • • • • • • • • • • • • • • • •	c09 N71-20705	WACA CACE WHE COCEA	c31 N71-20396
NASA-CASE-XMF-01667	•••••	c15 N71-17647	NACA CASE THE COCCE	c06 N71-11236
NASA-CASE-XMF-01669		c21 N71-23289	71.01	c06 N71-11243
NASA-CASE-XMF-01730	*************	c15 N71-23050	W161 6165 WWG 6666	c06 N71-11239
NASA-CASE-XMF-01772	************	c11 N70-41677	NASA-CASE-XMF-G8656	c06 N71-11242
NASA-CASE-XMF-01779	••••••	c12 N71-20815	NASA-CASE-XMF-08665	c10 N71-19467
NASA-CASE-XMF-01813			NASA-CASE-XMF-08674	c06 N71-28807
NASA-CASE-XMF-01887	• • • • • • • • • • • • • • • • • • • •	c28 N70-41582	NASA-CASE-XMP-08804	c09 N71-24717
NASA-CASE-XMF-01892	• • • • • • • • • • • • • • • • • • • •	c15 N71-10617	NASA-CASE-XMF-09386	c15 N69-21854
	• • • • • • • • • • • • • • • • • • • •	c10 N71-22986	NASA-CASE-XMF-09422	c07 N71-19436
NASA-CASE-XMF-01899	• • • • • • • • • • • • • • • • • • • •	C31 N70-41948	NASA-CASE-XMF-09902	c15 N72-11387
NASA-CASE-XMF-01973	• • • • • • • • • • • • • • • • • • • •	c31 N70-41588	NASA-CASE-XMF-10040	c15 N71-22877
NASA-CASE-XMF-01974	• • • • • • • • • • • • • • • • • • • •	c14 N71-22752	NASA-CASE-XMF-10289	c14 N71-23699
NASA-CASE-XMF-02039	• • • • • • • • • • • • • • • • • • • •	c15 N71-15871	NASA-CASE-XHF-10753	c06 N71-11237
NASA-CASE-XMF-02107	• • • • • • • • • • • • • • • • • • • •	c15 N71-10809	NASA-CASE-XMF-10968	c14 N71-24234
NASA-CASE-XMF-02108	• • • • • • • • • • • • • • • •	c31 N70-36845	NASA-CASE-XMF-14032	c20 N71-16340
NASA-CASE-XMF-02221	• • • • • • • • • • • • • • • • • • • •	c18 N71-27170	MACA-CACE WHE 40204	
NASA-CASE-XMF-02303		c17 N71-23828	NASA-CASE-XEF-14301	c09 N71-23188
NASA-CASE-XMF-02307	• • • • • • • • • • • • • • • • • • • •	c14 N71-10779	NASA-CASE-XMS-00259	.40
NASA-CASE-XMF-02330	• • • • • • • • • • • • • • • • • • • •	c15 N71-23798	W1C1 C1CD WHG 00070	c18 N70-36400
NASA-CASE-XMF-02392		c32 N71-24285	NACA-CACE-VEC COMOC	c17 N71-20941
NASA-CASE-XMF-02433	************	c14 N71-10616	NASA-CASE-XMS-00486	c33 N70-33344
NASA-CASE-XMF-02584	************	c06 N71-20905	NASA-CASE-XMS-00583	c28 N70-38504
NASA-CASE-XMF-02786	*************	c17 N71-20743	NASA-CASE-XMS-00784	c05 N71-12335
NASA-CASE-XMF-02822	••••••	c14 N70-41994	NASA-CASE-XMS-00863	c05 N70-34857
NASA-CASE-XMF-02853			NASA-CASE-XMS-00864	c05 N70-36493
NASA-CASE-XMF-C2964	• • • • • • • • • • • • • • • • • • • •	c31 N70-36654	NASA-CASE-XMS-00893	c07 N70-40063
NASA-CASE-XMF-02966	• • • • • • • • • • • • • • • • • • • •	c14 N71-17659	NASA-CASE-XMS-00907	c02 N70-41630
NASA-CASE-XMF-03074	• • • • • • • • • • • • • • • • • • • •	c10 N71-24863	NASA-CASE-XMS-00913	c10 N71-23543
	• • • • • • • • • • • • • • • • • • • •	c06 N71-24740	NASA-CASE-XMS-00945	c09 N71-10798
NASA-CASE-XMF-03169	• • • • • • • • • • • • • • • • • • • •	c31 N71-15675	NASA-CASE-XMS-01108	c15 N69-24322
NASA-CASE-XMF-C3198	• • • • • • • • • • • • • • • • • • • •	c30 N70-40353	NASA-CASE-XMS-01115	c05 N70-39922
NASA-CASE-XMF-03212	• • • • • • • • • • • • • • •	c15 N71-22721	NASA-CASE-XMS-01177	c05 N71-19440
NASA-CASE-XMF-03248	• • • • • • • • • • • • • •	c11 N71-10604	NASA-CASE-XMS-01240	c05 N70-35152
NASA-CASE-XMF-03287	• • • • • • • • • • • • • • • • • • • •	c15 N71-15607	NASA-CASE-XMS-C1315	c09 N70-41675
NASA-CASE-XMF-03290	• • • • • • • • • • • • • • •	c15 N71-23256	NASA-CASE-XMS-01445	c12 N71-16031
NASA-CASE-XMF-03498	•••••	c15 N71-15986	NASA-CASE-XMS-01492	c05 N70-41297
NASA-CASE-XMF-03511	• • • • • • • • • • • • • •	c15 N71-22799	NASA-CASE-XMS-01546	c14 N70-40233
NASA-CASE-XMF-03793	• • • • • • • • • • • • • • • • •	c15 N71-24833	NACA-CACH WHO BACCH	
NASA-CASE-XMF-03844-1	•••••	c14 N71-26474	Waca cach was sacar	c10 N71-10578
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NASA-CASE-XMF-03873	• • • • • • • • • • • • • • • • • • • •	c06 N69-39733		c14 N71-20741
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MACA-CACE WHE OUCHO			NASA-CASE-XMS-01816	c33 N71-15623
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MACA CACA WHE GROSS	• • • • • • • • • • • • • • • • • • • •	c02 N71-23007	NASA-CASE-XMS-02009	c33 N71-20834
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NASA-CASE-XMS-06782	c32 N71-15974 c15 N71-21536	NASA-CASE-XNP-01306	c09 N71-24596
NASA-CASE-XMS-06949	c09 N69-21467	NASA-CASE-XNP-01307	c21 N70-41856
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US-PATENT-APPL-SN-6615	• • • • • • • • • • • • • • • • • • • •	c03 N72-25019	US-PATENT-APPL-SN-41346	•••••	c15 N72-24522
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US-PATENT-APPL-SN-7668	***********	c15 N71-26611	US-PATENT-APPL-SN-41348 US-PATENT-APPL-SN-41404	••••••	c09 N72-23173 c03 N73-20039
US-PATENT-APPL-SN-7669	•••••	c31 N72-18859	US-PATENT-APPL-SN-41430	•••••	c10 N72-20221
US-PATENT-APPL-SN-7867	• • • • • • • • • • • • • • • • • • • •	c14 N72-17324	US-PATENT-APPL-SN-41431	•••••	c03 N70-35584
US-PATENT-APPL-SN-7868	• • • • • • • • • • • • • • • • • • • •	c10 N72-17173	US-PATENT-APPL-SN-41455	• • • • • • • • • • • • • • • • • • • •	c02 N70-33255
US-PATENT-APPL-SN-8203 US-PATENT-APPL-SN-8204	• • • • • • • • • • • • • • • • • • • •	c15 N70-33180 c31 N70-37981	US-PATENT-APPL-SN-42022 US-PATENT-APPL-SN-43327	•••••	c15 N70-35409
US-PATENT-APPL-SN-8497		c14 N72-11363	US-PATENT-APPL-SN-43883		c15 N72-26371 c18 N73-30532
US-PATENT-APPL-SN-8498	••••••	c05 N71-24729	US-PATENT-APPL-SN-43884		c15 N72-25457
US-PATENT-APPL-SN-8636	•••••	c15 N72-25451	US-PATENT-APPL-SN-45519	•••••	c14 N72-25410
US-PATENT-APPL-SN-8650	•••••	c03 N72-25021	US-PATENT-APPL-SN-45549		c06 N72-21100
US-PATENT-APPL-SN-9251 US-PATENT-APPL-SN-10161	• • • • • • • • • • • • • • • • • • • •	c03 N70-34646 c33 N72-20915	US-PATENT-APPL-SN-47061	• • • • • • • • • • • • • • • • • • • •	c26 N72-25680
US-PATENT-APPL-SN-10162	•••••	c22 N72-21644	US-PATENT-APPL-SN-47062 US-PATENT-APPL-SN-47063		c15 N72-17451 c33 N72-25911
US-PATENT-APPL-SN-10329	*********	c09 N72-25251	US-PATENT-APPL-SN-47063	• • • • • • • • • • • • • • • • • • • •	c33 N73-25952
US-PATENT-APPL-SN-10812	•••••	c28 N70-40367	US-PATENT-APPL-SN-47120	•••••	c31 N70-33242
US-PATENT-APPL-SN-10827	•••••	c14 N72-28436	US-PATENT-APPL-SN-47121	• • • • • • • • • • • • •	c09 N70-39915
US-PATENT-APPL-SN-11220 US-PATENT-APPL-SN-11227		c14 N73-30389 c11 N70-25959	US-PATENT-APPL-SN-47122 US-PATENT-APPL-SN-47123	• • • • • • • • • • • • • • • • • • • •	c14 N70-34813
US-PATENT-APPL-SN-11853	•••••	c15 N71-28951	US-PATENT-APPL-SN-47440		c15 N70-34817 c07 N73-20174
US-PATENT-APPL-SN-12661	•••••	c14 N72-22437	US-PATENT-APPL-SN-47441	•••••	c09 N70-34559
US-PATENT-APPL-SN-13266		c05 N72-23085	US-PATENT-APPL-SN-47443	• • • • • • • • • • • •	c09 N72-17152
US-PATENT-APPL-SN-14488	•••••	c09 N70-38995	US-PATENT-APPL-SN-50206	•••••	c07 N72-17109
US-PATENT-APPL-SN-15019 US-PATENT-APPL-SN-15020	•••••	c15 N72-17455 c14 N70-34697	US-PATENT-APPL-SN-50207 US-PATENT-APPL-SN-50208	•••••	c07 N72-20141
US-PATENT-APPL-SN-15022		c15 N72-21465	US-PATENT-APPL-SN-50339		c14 N73-13418 c04 N72-33072
US-PATENT-APPL-SN-15023	•••••	c15 N70-34699	US-PATENT-APPL-SN-51246		c15 N72-15465
US-PATENT-APPL-SN-15024	•••••	c09 N72-21245	US-PATENT-APPL-SN-51317	• • • • • • • • • • • • • • • • • • • •	c14 N73-30389
US-PATENT-APPL-SN-15025 US-PATENT-APPL-SN-15222	•••••	c03 N72-20033 c18 N72-25539	US-PATENT-APPL-SN-51473	•••••	c02 N70-33266
US-PATENT-APPL-SN-15222	**********	c14 N72-23445	US-PATENT-APPL-SN-51477 US-PATENT-APPL-SN-53156	•••••	c14 N72-25412
US-PATENT-APPL-SN-17101		c28 N72-18766	US-PATENT-APPL-SN-54270	•••••	c10 N71-28860 c07 N72-25173
US-PATENT-APPL-SN-17102	•••••	c09 N72-20205	US-PATENT-APPL-SN-54271	***********	c02 N73-19004
US-PATENT-APPL-SN-18427	• • • • • • • • • • • • • • • • • • • •	c09 N72-23172	US-PATENT-APPL-SN-54540	•••••	c15 N72-29488
US-PATENT-APPL-SN-18776 US-PATENT-APPL-SN-18780	•••••	c28 N70-33284 c12 N70-33305	US-PATENT-APPL-SN-54552	• • • • • • • • • •	c27 N70-34783
US-PATENT-APPL-SN-18982	••••••	c28 N72-11708	US-PATENT-APPL-SN-55333 US-PATENT-APPL-SN-55534	• • • • • • • • • • • • • • • • • • • •	c10 N73-16206 c11 N72-25288
US-PATENT-APPL-SN-19585		c15 N72-25455	US-PATENT-APPL-SN-55535	•••••	c14 N73-20474
US-PATENT-APPL-SN-19971	•••••	c09 N70-33312	US-PATENT-APPL-SN-55536	•••••	c14 N72-29464
US-PATENT-APPL-SN-20960	•••••	c15 N72-17453	US-PATENT-APPL-SN-55537	•••••	c18 N72-25540
US-PATENT-APPL-SN-21263 US-PATENT-APPL-SN-21508	•••••	c01 N71-12217 c08 N72-20176	US-PATENT-APPL-SN-55806 US-PATENT-APPL-SN-56791	•••••	c06 N72-31140
US-PATENT-APPL-SN-21644	•••••	c05 N72-22092	US-PATENT-APPL-SN-57252		c10 N72-16172 c14 N72-25414
US-PATENT-APPL-SN-21732	• • • • • • • • • • • • • • • • • • • •	c15 N70-26819	US-PATENT-APPL-SN-57253	**********	c18 N72-25541
US-PATENT-APPL-SN-21906	•••••	c09 N72-17157	US-PATENT-APPL-SN-57399	• • • • • • • • • • • • • • • • • • • •	c03 N72-20034
US-PATENT-APPL-SN-22265 US-PATENT-APPL-SN-22320	•••••	c14 N72-21405 c14 N72-11365	US-PATENT-APPL-SN-58147	•••••	c28 N70-33356
US-PATENT-APPL-SN-23132	• • • • • • • • • • • • • • • • • • • •	c08 N72-22163	US-PATENT-APPL-SN-59892 US-PATENT-APPL-SN-59893	••••••	c06 N73-30097 c15 N72-25456
US-PATENT-APPL-SN-23532	•••••	c07 N72-21117	US-PATENT-APPL-SN-59894	**********	c23 N73-13662
US-PATENT-APPL-SN-24149	• • • • • • • • • • • •	c18 N70-34685	US-PATENT-APPL-SN-59895	•••••	c15 N72-20445
US-PATENT-APPL-SN-24154 US-PATENT-APPL-SN-24154	• • • • • • • • • • • •	c15 N70-35679	US-PATENT-APPL-SN-59956	•••••	c14 N72-27411
US-PATENT-APPL-SN-24154	• • • • • • • • • • •	c15 N72-17450 c14 N73-26432	US-PATENT-APPL-SN-59966 US-PATENT-APPL-SN-59968	• • • • • • • • • • • • • • • • • • • •	c21 N72-25595 c15 N72-27484
US-PATENT-APPL-SN-24224		c09 N72-20200	US-PATENT-APPL-SN-59969	•••••	c09 N72-25249
US-PATENT-APPL-SN-25175	• • • • • • • • • • •	c28 N70-39895	US-PATENT-APPL-SN-60276		c22 N73-32528
US-PATENT-APPL-SN-25487	•••••	c08 N72-21197	US-PATENT-APPL-SN-60531	• • • • • • • • • • • • • • • • • • • •	c28 N70-37980
US-PATENT-APPL-SN-25488 US-PATENT-APPL-SN-26375	•••••	c08 N72-25206 c02 N70-33286	US-PATENT-APPL-SN-60536 US-PATENT-APPL-SN-60876	•••••	c02 N70-38009
US-PATENT-APPL-SN-26375	•••••	c02 N70-33288	US-PATENT-APPL-SN-60876	••••••	c15 N72-27485 c32 N72-25877
US-PATENT-APPL-SN-26573	*********	c31 N72-22874	US-PATENT-APPL-SN-60882	*********	c05 N73-32011
US-PATENT-APPL-SN-27340	• • • • • • • • • • • • •	c15 N72-20442	US-PATENT-APPL-SN-60883	••••••	c10 N73-13235 .
US-PATENT-APPL-SN-28175 US-PATENT-APPL-SN-28235	•••••	c21 N70-33279	US-PATENT-APPL-SN-60950	• • • • • • • • • • • • • • • • • • • •	c04 N73-27052
US-PATENT-APPL-SN-29917	***********	c10 N72-17171 c15 N73-13465	US-PATENT-APPL-SN-61329 US-PATENT-APPL-SN-61535	• • • • • • • • • • • • • • • • • • • •	c31 N70-37986
US-PATENT-APPL-SN-29979		c11 N70-26813	US-PATENT-APPL-SN-61894	**********	c15 N72-25453 c12 N72-21310
US-PATENT-APPL-SN-31242	•••••	c28 N70-33374	US-PATENT-APPL-SN-61895	•••••	c07 N72-33146
US-PATENT-APPL-SN-31702	•••••	c16 N73-16536	US-PATENT-APPL-SN-63144	•••••	c16 N72-28521
US-PATENT-APPL-SN-31703 US-PATENT-APPL-SN-31885	• • • • • • • • • • • • • • • • • • • •	c09 N72-21244 c10 N72-17172	US-PATENT-APPL-SN-63195	•••••	c14 N72-27408
US-PATENT-APPL-SN-31885	••••••	c15 N70-37925	US-PATENT-APPL-SN-63383 US-PATENT-APPL-SN-63384		c08 N72-20177 c05 N72-22093
US-PATENT-APPL-SN-32664		c11 N72-25287	US-PATENT-APPL-SN-63532		c08 N72-25209
US-PATENT-APPL-SN-32665	•••••	c14 N72-22444	US-PATENT-APPL-SN-63610		c06 N72-25147
US-PATENT-APPL-SN-33159	• • • • • • • • • • • • • • • • • • • •	c10 N72-11256	US-PATENT-APPL-SN-64224	•••••	c17 N70-38490
US-PATENT-APPL-SN-33535 US-PATENT-APPL-SN-34553	•••••••	c06 N72-17093 c18 N70-34695	US-PATENT-APPL-SN-64226 US-PATENT-APPL-SN-64391	•••••	c17 N70-38198
US-PATENT-APPL-SN-36531	••••••	c07 N72-25174	US-PATENT-APPL-SN-64391	•••••	c31 N72-25842 c12 N70-41976
US-PATENT-APPL-SN-36534	• • • • • • • • • • • • • • • • • • • •	c21 N73-14692	US-PATENT-APPL-SN-64709		c10 N72-28240
US-PATENT-APPL-SN-36819	• • • • • • • • • • • • • • • • • • • •	c23 N72-22673	US-PATENT-APPL-SN-64723	•••••	c07 N72-25170

NC DAMENM ADDI CN_45509		c18 N70-39897	US-PATENT-APPL-SN-98798	•••••	c09 N73-13209
US-PATENT-APPL-SN-65548 US-PATENT-APPL-SN-65840		c10 N72-20225		•••••	c14 N72-33377
US-PATENT-APPL-SN-66004		c15 N72-25450	TT TTTTTE TELE	• • • • • • • • • • • • • • • • • • • •	c09 N72-25258
US-PATENT-APPL-SN-66206	•••••	c11 N73-13257		• • • • • • • • • • • • • • • • • • • •	c31 N73-32749 c15 N73-25512
US-PATENT-APPL-SN-67730	• • • • • • • • • • • • • • • • • • • •	c15 N73-13463 c28 N72-22771		• • • • • • • • • • •	c06 N72-27144
US-PATENT-APPL-SN-67815 US-PATENT-APPL-SN-68023		c05 N72-33096		••••••	c11 N73-12265
US-PATENT-APPL-SN-68024		c17 N72-22535	US-PATENT-APPL-SN-100637		c21 N71-28461
US-PATENT-APPL-SN-69209		c15 N72-21463	US-PATENT-APPL-SN-100639	• • • • • • • • • • • • • • • • • • • •	c14 N72-32452
US-PATENT-APPL-SN-70032	•••••	c11 N73-12264	US-PATENT-APPL-SN-100774	• • • • • • • • • • • • • • • • • • • •	c06 N72-25151 c06 N73-32030
US-PATENT-APPL-SN-70967	•••••	c07 N73-13149 c09 N72-21247	US-PATENT-APPL-SN-100774 US-PATENT-APPL-SN-100996		c08 N73-13187
US-PATENT-APPL-SN-71047 US-PATENT-APPL-SN-71048		c18 N73-12604	US-PATENT-APPL-SN-101029		c31 N70-38676
US-PATENT-APPL-SN-71366		c17 N71-20941	US-PATENT-APPL-SN-101214		c14 N73-26430
US-PATENT-APPL-SN-72024	• • • • • • • • • • •	c09 N73-12211	US-PATENT-APPL-SN-101354	•••••	c10 N73-16205 c25 N72-33696
US-PATENT-APPL-SN-73283	•••••	c15 N72-28495	US-PATENT-APPL-SN-102412 US-PATENT-APPL-SN-103077	• • • • • • • • • • • • • • • • • • • •	c25 N72-33696
US-PATENT-APPL-SN-73310	• • • • • • • • • • • • • • • • • • • •	c09 N72-25247 c14 N71-15969	US-PATENT-APPL-SN-103078		c15 N73-12486
US-PATENT-APPL-SN-73367 US-PATENT-APPL-SN-73422		c15 N72-25454	US-PATENT-APPL-SN-103090		c14 N72-15430
US-PATENT-APPL-SN-73834		c15 N72-23497	US-PATENT-APPL-SN-103091	•••••	c15 N72-20463
US-PATENT-APPL-SN-73922		c14 N73-25461	US-PATENT-APPL-SN-103229	• • • • • • • • • •	c14 N72-22439
US-PATENT-APPL-SN-73932	•••••	c15 N72-22485	US-PATENT-APPL-SN-103230 US-PATENT-APPL-SN-103551		c15 N73-14468 c31 N73-14854
US-PATENT-APPL-SN-74759	• • • • • • • • • • • • • • • • • • • •	c14 N73-20478 c27 N72-25699	US-PATENT-APPL-SN-104047		c15 N72-31483
US-PATENT-APPL-SN-74861 US-PATENT-APPL-SN-74862		c27 N73-16764	US-PATENT-APPL-SN-104048		c31 N73-14855
US-PATENT-APPL-SN-75431		c21 N72-31637	US-PATENT-APPL-SN-104187	• • • • • • • • • •	c14 N70-36618
US-PATENT-APPL-SN-76899		c09 N72-22201	US-PATENT-APPL-SN-104188	• • • • • • • • • •	c09 N70-34819
US-PATENT-APPL-SN-77169	• • • • • • • • • • • • • • • • • • • •	c14 N72-21408	US-PATENT-APPL-SN-104346 US-PATENT-APPL-SN-104884		c14 N73-28488 c15 N72-33476
US-PATENT-APPL-SN-77220 US-PATENT-APPL-SN-77221		c14 N72-27409 c08 N72-25210	US-PATENT-APPL-SN-104885		c14 N73-24472
US-PATENT-APPL-SN-77251		c25 N70-41628	US-PATENT-APPL-SN-105518		c23 N71-15978
US-PATENT-APPL-SN-77252		c02 N70-37939	US-PATENT-APPL-SN-106135	•••••	c28 N70-34294
US-PATENT-APPL-SN-77256	• • • • • • • • • • • • • • • • • • • •	c15 N70-33323	US-PATENT-APPL-SN-106424	• • • • • • • • • • • • • • • • • • • •	c17 N73-24569 c30 N73-12884
US-PATENT-APPL-SN-77785	•••••	c09 N72-15204 c14 N72-27412	US-PATENT-APPL-SN-106465 US-PATENT-APPL-SN-107298		c32 N73-13921
US-PATENT-APPL-SN-77786 US-PATENT-APPL-SN-78065		C08 N72-22162	US-PATENT-APPL-SN-107376		c15 N73-25513
US-PATENT-APPL-SN-78703		c15 N73-20514	US-PATENT-APPL-SN-107379		c10 N72-33230
US-PATENT-APPL-SN-78704	• • • • • • • • •	c05 N72-25121	US-PATENT-APPL-SN-107380	• • • • • • • • • • • • • • • • • • • •	c28 N73-13773
US-PATENT-APPL-SN-78717	• • • • • • • • • •	c05 N73-13114	US-PATENT-APPL-SN-107659	• • • • • • • • • • • • • • • • • • • •	c23 N73-20741 c17 N70-36616
US-PATENT-APPL-SN-80029	• • • • • • • • • • • • • • • • • • • •	c14 N73-32320 (US-PATENT-APPL-SN-107866 US-PATENT-APPL-SN-107870	• • • • • • • • •	c15 N70-36411
US-PATENT-APPL-SN-80368 US-PATENT-APPL-SN-80369		c09 N72-22198	US-PATENT-APPL-SN-108824		c31 N73-13898
US-PATENT-APPL-SN-81095		c13 N72-25323	US-PATENT-APPL-SN-109789	• • • • • • • • • •	c09 N70-34596
US-PATENT-APPL-SN-81096	• • • • • • • • • • • • • • • • • • • •	c14 N73-14427	US-PATENT-APPL-SN-110402	• • • • • • • • • •	c09 N72-27226
US-PATENT-APPL-SN-82280	• • • • • • • • • • • • •	c09 N72-25262 c28 N72-22772	US-PATENT-APPL-SN-110591 US-PATENT-APPL-SN-111123		c15 N70-39896 c18 N71-31140
US-PATENT-APPL-SN-82647 US-PATENT-APPL-SN-82648		c12 N72-25292	US-PATENT-APPL-SN-111998		c21 N73-30640
US-PATENT-APPL-SN-82649		c08 N73-30135	US-PATENT-APPL-SN-112988		c07 N72-32169
US-PATENT-APFL-SN-82658	•••••	c30 N70-40309	US-PATENT-APPL-SN-112998	•••••	c14 N73-12445
US-PATENT-APPL-SN-83816	• • • • • • • • • • •	c03 N71-29048	US-PATENT-APPL-SN-112999	• • • • • • • • • •	c23 N72-25619 c14 N73-12444
US-PATENT-APPL-SN-84002	• • • • • • • • • • • • • • • • • • • •	c08 N73-20217 c18 N72-21557	US-PATENT-APPL-SN-114846 US-PATENT-APPL-SN-114847	•••••	c15 N72-28496
US-PATENT-APPL-SN-84212 US-PATENT-APPL-SN-84289		c15 N73-14469	US-PATENT-APPL-SN-114848		c11 N72-23215
US-PATENT-APPL-SN-84290		c05 N73-20137	US-PATENT-APPL-SN-114849		c09 N72-27227
US-PATENT-APPL-SN-84961		c02 N70-34178	US-PATENT-APPL-SN-114873	• • • • • • • • • •	c09 N73-28083 c18 N73-13562
US-PATENT-APPL-SN-84962	•••••	c21 N70-36943 c21 N70-35427	US-PATENT-APPL-SN-115082 US-PATENT-APPL-SN-115083		c07 N73-15362
US-PATENT-APPL-SN-85585 US-PATENT-APPL-SN-86018		c23 N71-30292	US-PATENT-APPL-SN-115134		c06 N73-13128
US-PATENT-APPL-SN-86417		c07 N72-25171	US-PATENT-APPL-SN-115944	• • • • • • • • • •	c03 N71-34044
US-PATENT-APPL-SN-86548		c09 N72-21243	US-PATENT-APPL-SN-116777	• • • • • • • • • •	c09 N73-19235
US-PATENT-APPL-SN-87222	•••••	c05 N72-27103	US-PATENT-APPL-SN-116778		c09 N72-33205 c07 N72-25172
US-PATENT-APPL-SN-87223	•••••	c15 N72-15476 c06 N72-25146	US-PATENT-APPL-SN-116786 US-PATENT-APPL-SN-116790		c14 N73-30388
US-PATENT-APPL-SN-87550 US-PATENT-APPL-SN-87551		c33 N73-16918	US-PATENT-APPL-SN-117575	********	c08 N73-12177
US-PATENT-APPL-SN-87597		c09 N72-21251	US-PATENT-APPL-SN-118169		c14 N70-35220
US-PATENT-APPL-SN-89209		c09 N72-25248	US-PATENT-APPL-SN-118200	• • • • • • • • • • • • • • • • • • • •	c15 N70-34247 c28 N70-38710
US-PATENT-APPL-SN-89210	• • • • • • • • • • • • • • • • • • • •	c07 N73-26119 c14 N73-12446	US-PATENT-APPL-SN-118202 US-PATENT-APPL-SN-118203		c14 N70-38602
US-PATENT-APPL-SN-89211 US-PATENT-APPL-SN-89212		c08 N72-25208	US-PATENT-APPL-SN-118269		c33 N73-26958
US-PATENT-APPL-SN-90595		c03 N72-20031	US-PATENT-APPL-SN-118270		c09 N72-25260
US-PATENT-APPL-SN-91180		c14 N70-40240	US-PATENT-APPL-SN-119282	• • • • • • • • •	c03 N72-23048
US-PATENT-APPL-SN-91642	• • • • • • • • • • •	c14 N72-31446	US-PATENT-APPL-SN-120241	•••••	c15 N73-24513 c07 N70-40202
US-PATENT-APPL-SN-93329	• • • • • • • • • • • • • • • • • • • •	c09 N73-26195 c14 N73-20476	US-PATENT-APPL-SN-120795 US-PATENT-APPL-SN-120797		c14 N70-36824
US-PATENT-APPL-SN-94049 US-PATENT-APPL-SN-94259		c27 N70-35534	US-PATENT-APPL-SN-120803		c08 N70-34743
US-PATENT-APPL-SN-94347		c05 N72-25122	US-PATENT-APPL-SN-121328		c23 N72-11568
US-PATENT-APPL-SN-94369	• • • • • • • • • • • • • • • • • • • •	c07 N71-28965	US-PATENT-APPL-SN-123253	• • • • • • • • • • •	c10 N73-12244
US-PATENT-APPL-SN-94374	•••••	c14 N72-25411	US-PATENT-APPL-SN-123597	• • • • • • • • •	c21 N70-34297 c14 N73-16483
US-PATENT-APPL-SN-94952		c14 N70-34158 c08 N73-12175	US-PATENT-APPL-SN-124909 US-PATENT-APPL-SN-125234		c07 N73-16121
US-PATENT-APPL-SN-95183 US-PATENT-APPL-SN-97112		c21 N70-34539	US-PATENT-APPL-SN-125236		c14 N73-26431
US-PATENT-APPL-SN-97343		c10 N72-27246	US-PATENT-APPL-SN-125979	•••••	c09 N72-25255
US-PATENT-APPL-SN-97472		c14 N73-28487	US-PATENT-APPL-SN-126814	• • • • • • • • • •	c09 N71-34208
US-PATENT-APPL-SN-97829	•••••	c06 N73-13129	US-PATENT-APPL-SN-127234	• • • • • • • • • • • • • • • • • • • •	c08 N70-35423 c15 N71-34427
US-PATENT-APPL-SN-98517 US-PATENT-APPL-SN-98640		c09 N72-25250 c09 N72-25253	US-PATENT-APPL-SN-127480 US-PATENT-APPL-SN-127481		c18 N71-34502
US-PATENT-APPL-SN-98640 US-PATENT-APPL-SN-98772		c08 N73-12176	US-PATENT-APPL-SN-127618	•••••	c02 N73-13008
US-PATENT-APPL-SN-98773	•••••	c15 N72-22486	US-PATENT-APPL-SN-127647	• • • • • • • • •	c15 N73-27405
US-PATENT-APPL-SN-98774	•••••	c14 N73-19419	US-PATENT-APPL-SN-127915	•••••	c02 N73-26004

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US-PATENT-APPL-SN-128419		c14 N73-20477	US-PATENT-APPL-SN-159966		c31 N73-26876
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US-PATENT-APPL-SN-129072		c15 N73-13467	US-PATENT-APPL-SN-160859		c32 N73-26910
US-PATENT-APPL-SN-129073		c15 N73-13464	US-PATENT-APPL-SN-160860		c18 N73-32437
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US-PATENT-APPL-SN-129579	• • • • • • • • • •	c28 N70-35381	US-PATENT-APPL-SN-161028	•••••	c14 N73-19420
US-PATENT-APPL-SN-130353		c31 N73-14853	US-PATENT-APPL-SN-162100		c09 N72-15206
US-PATENT-APPL-SN-134478		c22 N70-34572	US-PATENT-APPL-SN-162101		c14 N73-24473
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US-PATENT-APPL-SN-134567		c14 N73-16484	US-PATENT-APPL-SN-163151		c23 N72-21663
US-PATENT-APPL-SN-134568		c06 N72-31141	US-PATENT-APPL-SN-163152		c17 N73-27446
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US-PATENT-APPL-SN-134571	•••••	c21 N73-13644	US-PATENT-APPL-SN-164428	•••••	c09 N70-35440
US-PATENT-APPL-SN-134573		c09 N72-25257	US-PATENT-APPL-SN-166487		c11 N73-32152
US-PATENT-APPL-SN-134658		c15 N73-28515	US-PATENT-APPL-SN-166541		c14 N73-13415
US-PATENT-APPL-SN-134782	• • • • • • • • •	c09 N70-36494	US-PATENT-APPL-SN-166969	• • • • • • • • •	c15 N7C-34249
US-PATENT-APPL-SN-136006		c09 N72-28225	US-PATENT-APPL-SN-166970		c15 N7G-36409
US-PATENT-APPL-SN-136007		c09 N71-34212	US-PATENT-APPL-SN-167719		c16 N73-33397
US-PATENT-APPL-SN-136008		c17 N71-34455	US-PATENT-APPL-SN-168560		c02 N70-34856
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US-PATENT-APPL-SN-136086		c15 N73-19457	US-PATENT-APPL-SN-169671		c10 N73-30205
US-PATENT-APPL-SN-136253		c28 N72-20767	US-PATENT-APPL-SN-169962		c12 N72-11293
US-PATENT-APPL-SN-137391		c16 N72-10432	US-PATENT-APPL-SN-169977	••••••	c14 N70-34794
US-PATENT-APPL-SN-137912	• • • • • • • • •	c06 N72-21105	US-PATENT-APPL-SN-170440	• • • • • • • • • •	c15 N73-13462
US-PATENT-APPL-SN-138227		c26 N72-27784	US-PATENT-APPL-SN-170544		c25 N72-21693
US-PATENT-APPL-SN-138229		c15 N72-32487	US-PATENT-APPL-SN-170680		c33 N72-11830
US-PATENT-APPL-SN-138230		c32 N73-20740	US-PATENT-APPL-SN-170681		c10 N73-25240
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US-PATENT-APPL-SN-138540	• • • • • • • • • •	c14 N70-36808	US-PATENT-APPL-SN-172459	• • • • • • • • • •	c06 N73-16106
US-PATENT-APPL-SN-139006		c09 N70-38604	US-PATENT-APPL-SN-172807	• • • • • • • • •	c07 N73-28012
US-PATENT-APPL-SN-139007		c28 N70-37245	US-PATENT-APPL-SN-173081		c28 N70-36806
US-PATENT-APPL-SN-139012		c03 N70-38713	US-PATENT-APPL-SN-173185		c23 N73-13660
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US-PATENT-APPL-SN-139094	• • • • • • • • • •	c05 N73-32011	US-PATENT-APPL-SN-173190	• • • • • • • • •	c05 N73-32015
US-PATENT-APPL-SN-139250		c04 N73-27052	US-PATENT-APPL-SN-173981		c14 N70-35666
US-PATENT-APPL-SN-139528		c03 N72-25020	US-PATENT-APPL-SN-174684	• • • • • • • • • • • • • • • • • • • •	c03 N73-30974
US-PATENT-APPL-SN-140439		c10 N72-10205	US-PATENT-APPL-SN-175267		c14 N73-28486
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US-PATENT-APPL-SN-140509	**********	c09 N70-35382	US-PATENT-APPL-SN-175852	• • • • • • • • •	c25 N73-25760
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US-PATENT-APPL-SN-141220		c33 N70-37979	US-PATENT-APPL-SN-175981		c16 N73-30476
US-PATENT-APPL-SN-142662		c23 N73-13661	US-PATENT-APPL-SN-175983		c31 N73-32750
		c14 N73-14429	US-PATENT-APPL-SN-177684		
US-PATENT-APPL-SN-142719	• • • • • • • • • •			• • • • • • • • • • • •	c28 N70-34860
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US-PATENT-APPL-SN-144139		c11 N73-26238	US-PATENT-APPL-SN-178213		c25 N70-33267
US-PATENT-APPL-SN-144803		c11 N70-34844	US-PATENT-APPL-SN-178215		c25 N70-34661
US-PATENT-APPL-SN-144804		c14 N70-39898	US-PATENT-APPL-SN-178721		c03 N70-35408
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US-PATENT-APPL-SN-145007	• • • • • • • • •	c18 N70-36400	US-PATENT-APPL-SN-178771	• • • • • • • • • •	c06 N73-11107
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US-PATENT-APPL-SN-145027		c06 N73-32029	US-PATENT-APPL-SN-180374		c28 N70-38181
US-PATENT-APPL-SN-146935		c14 N73-20475	US-PATENT-APPL-SN-180377		c15 N70-36908
US-PATENT-APPL-SN-146939		c33 N71-35153	US-PATENT-APPL-SN-180379		c21 N70-35395
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US-PATENT-APPL-SN-146940	• • • • • • • • • •	c05 N73-32014	US-PATENT-APPL-SN-180380	• • • • • • • • • •	c09 N70-38998
US-PATENT-APPL-SN-147099		c14 N73-13417	US-PATENT-APPL-SN-180381		c21 N70-35089
US-PATENT-APPL-SN-147103		c10 N73-20253	US-PATENT-APPL-SN-180382		c28 N70-38645
US-PATENT-APPL-SN-147922		c28 N73-19793	US-PATENT-APPL-SN-180384		c11 N70-38675
US-PATENT-APPL-SN-147940		c14 N72-10375	US-PATENT-APPL-SN-180391		c28 N70-38249
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US-PATENT-APPL-SN-147996		c28 N71-34949	US-PATENT-APPL-SN-180392	• • • • • • • • •	c09 N71-13530
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US-PATENT-APPL-SN-147997		c15 N72-33477	US-PATENT-APPL-SN-180395		c15 N70-36947
US-PATENT-APPL-SN-148001		c14 N70-34298	US-PATENT-APPL-SN-180396		c11 N70-38202
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US-PATENT-APPL-SN-148756	• • • • • • • • • •	c15 N73-13466	US-PATENT-APPL-SN-180473	• • • • • • • • • •	c28 N73-27699
US-PATENT-APPL-SN-150215	•••••	c33 N73-25952	US-PATENT-APPL-SN-180683		c10 N73-25241
US-PATENT-APPL-SN-151112		c15 N70-34814	US-PATENT-APPL-SN-180962		c14 N72-21433
US-PATENT-APPL-SN-151114		c31 N70-34176	US-PATENT-APPL-SN-180963	•••••	c14 N73-27378
US-PATENT-APPL-SN-151411		c07 N73-26118	US-PATENT-APPL-SN-181023		c15 N73-26472
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US-PATENT-APPL-SN-151412	• • • • • • • • • •	c09 N73-32112	US-PATENT-APPL-SN-181024	• • • • • • • • • •	CO7 N73-26117
US-PATENT-APPL-SN-151413		c14 N73-12447	US-PATENT-APPL-SN-181828	• • • • • • • • • •	c02 N70-34858
US-PATENT-APPL-SN-151598		c03 N70-34134	US-PATENT-APPL-SN-181829		c31 N70-38010
US-PATENT-APPL-SN-152328		c02 N71-34017	US-PATENT-APPL-SN-182033	•••••	c33 N73-27796
US-PATENT-APPL-SN-152849		c15 N73-30457	US-PATENT-APPL-SN-182399		
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US-PATENT-APPL-SN-153542		c28 N73-32606	US-PATENT-APPL-SN-182696		c21 N70-36938
US-PATENT-APPL-SN-153543		c08 N73-26176	US-PATENT-APPL-SN-182698		c15 N70-38620
US-PATENT-APPL-SN-154094		c33 N72-27959	US-PATENT-APPL-SN-182699		c28 N70-38504
US-PATENT-APPL-SN-154930		c03 N72-11064	US-PATENT-APPL-SN-182977		c14 N72-11372
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US-PATENT-APPL-SN-154933	• • • • • • • • • • •	c14 N73-25463	US-PATENT-APPL-SN-182978	•••••	c16 N73-13489
US-PATENT-APPL-SN-154934	********	c02 N72-10033	US-PATENT-APPL-SN-183240	• • • • • • • • • •	c06 N73-30098
US-PATENT-APPL-SN-154935	• • • • • • • • • •	c11 N72-27262	US-PATENT-APPL-SN-183977		c28 N70-38505
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US-PATENT-APPL-SN-155584		c09 N70-40123	US-PATENT-APPL-SN-184090		c14 N73-32327
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US-PATENT-APPL-SN-155595	•••••	c26 N73-28710	US-PATENT-APPL-SN-184649	• • • • • • • • • • • • • • • • • • • •	c07 N70-36911
US-PATENT-APPL-SN-155596	•••••	c15 N73-32361	US-PATENT-APPL-SN-184960	• • • • • • • • • •	c06 N73-27980
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US-PATENT-APPL-SN-156724		c21 N73-13643	US-PATENT-APPL-SN-187143		c16 N73-31468
US-PATENT-APPL-SN-156725		c14 N73-27377	US-PATENT-APPL-SN-187262	•••••	c15 N73-27406
US-PATENT-APPL-SN-156778		c17 N72-28535	US-PATENT-APPL-SN-187365		
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US-PATENT-APPL-SN-158914	•••••	c11 N70-36913	US-PATENT-APPL-SN-187446	• • • • • • • • • •	c31 N70-37924
US-PATENT-APPL-SN-158916	• • • • • • • • • •	c05 N70-41819	US-PATENT-APPL-SN-188594	• • • • • • • • • •	c15 N70-34967
US-PATENT-APPL-SN-159804	•••••	c11 N70-38196	US-PATENT-APPL-SN-188836		c14 N72-21432
US-PATENT-APPL-SN-159857		c05 N73-26072	US-PATENT-APPL-SN-188927	•••••	c08 N73-32081
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US-PATENT-APPL-SN-189290		c14 N73-27379	US-PATENT-APPL-SN-213836	•••••	c15 N70-38601
US-PATENT-APPL-SN-189375		c18 N73-14584	US-PATENT-APPL-SN-213949	•••••	c07 N73-20175
US-PATENT-APPL-SN-189438	•••••	c30 N72-20805	US-PATENT-APPL-SN-214006	• • • • • • • • • •	c15 N72-20460
US-PATENT-APPL-SN-189648		c32 N70-36536	US-PATENT-APPL-SN-214084	• • • • • • • • • • • • • • • • • • • •	c15 N72-21476 c14 N73-30395
US-PATENT-APPL-SN-190316		c17 N73-32414	US-PATENT-APPL-SN-214086	•••••	c14 N72-20406
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US-PATENT-APPL-SN-192016		c03 N70-36778	US-PATENT-APPL-SN-216710		c12 N70-38997
US-PATENT-APPL-SN-192101	•••••	c10 N73-20254 c07 N73-24176	US-PATENT-APPL-SN-216711		c03 N70-34157
US-PATENT-APPL-SN-192141	•••••	c07 N73-22076	US-PATENT-APPL-SN-216939		c14 N70-40400
US-PATENT-APPL-SN-192803	•••••	c23 N73-30665	US-PATENT-APPL-SN-217213		c15 N72-21471
US-PATENT-APPL-SN-192970	• • • • • • • • • • • • • • • • • • • •	c10 N73-25243	US-PATENT-APPL-SN-218965		c10 N73-32145
US-PATENT-APPL-SN-193456 US-PATENT-APPL-SN-193671		c15 N73-12488	US-PATENT-APPL-SN-219435	• • • • • • • • •	c15 N72-21486
US-PATENT-APPL-SN-193672		c05 N72-21076	US-PATENT-APPL-SN-219436	• • • • • • • • • •	c15 N72-21489 c06 N73-32030
US-PATENT-APPL-SN-193814		c14 N73-30393	US-PATENT-APPL-SN-219590	•••••	c21 N72-21631
US-PATENT-APPL-SN-193947		c14 N73-13420	US-PATENT-APPL-SN-219722		c28 N72-20770
US-PATENT-APPL-SN-19398C	• • • • • • • • •	c15 N72-22505	US-PATENT-APPL-SN-219806 US-PATENT-APPL-SN-220274		c31 N72-20840
US-PATENT-APPL-SN-195061		c05 N73-25125	US-PATENT-APPL-SN-220551		c15 N72-27522
US-PATENT-APPL-SN-195346	••••	c15 N70-36492 c31 N70-34135	US-PATENT-APPL-SN-220785		c11 N72-20253
US-PATENT-APPL-SN-195347	•••••	c07 N73-25161	US-PATENT-APPL-SN-221093		c17 N73-32415
US-PATENT-APPL-SN-196399		c15 N72-21482	US-PATENT-APPL-SN-221276		c14 N70-41955
US-PATENT-APPL-SN-196898 US-PATENT-APPL-SN-196931		c07 N72-20157	US-PATENT-APPL-SN-221332		c02 N72-21004
US-PATENT-APPL-SN-196970		c15 N73-33383	US-PATENT-APPL-SN-221634	• • • • • • • • •	c05 N70-34857
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US-PATENT-APPL-SN-197551		c31 N70-34296	US-PATENT-APPL-SN-221685	• • • • • • • • • • • • • • • • • • • •	c09 N73-32110
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US-PATENT-APPL-SN-197554	•••••	c14 N70-35368	US-PATENT-APPL-SN-221833 US-PATENT-APPL-SN-221945		c31 N70-36410
US-PATENT-APPL-SN-197689	• • • • • • • • • • • • • • • • • • • •	c15 N72-21487 c14 N73-32322	US-PATENT-APPL-SN-223003		c33 N70-36846
US-PATENT-APPL-SN-197870	••••••	c09 N73-13208	US-PATENT-APPL-SN-223560		c10 N73-32144
US-PATENT-APPL-SN-198285		c14 N73-32326	US-PATENT-APPL-SN-224489		c14 N72-20396
US-PATENT-APPL-SN-198289 US-PATENT-APPL-SN-198355		c05 N72-15098	US-PATENT-APPL-SN-226476		c10 N73-32143
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US-PATENT-APPL-SN-198379	•••••	c15 N73-32359	US-PATENT-APPL-SN-226551	• • • • • • • • •	c06 N73-26100
US-PATENT-APPL-SN-198380	•••••	c31 N72-15781	US-PATENT-APPL-SN-227682	•••••	c14 N70-34161 c02 N70-36804
US-PATENT-APPL-SN-198472		c06 N72-21102	US-PATENT-APPL-SN-227683	•••••	c14 N70-40003
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US-PATENT-APPL-SN-198885		c05 N73-27062	US-PATENT-APPL-SN-228150		c03 N72-22048
US-PATENT-APPL-SN-198928	• • • • • • • • • •	c15 N72-21477	US-PATENT-APPL-SN-228163 US-PATENT-APPL-SN-228189		c14 N72-22453
US-PATENT-APPL-SN-199199	• • • • • • • • • •	c25 N71-29184	US-PATENT-APPL-SN-228190		c23 N73-30666
US-PATENT-APPL-SN-199202	• • • • • • • • • •	c14 N70-40239 c11 N72-20251	US-PATENT-APPL-SN-228229		c06 N72-22114
US-PATENT-APPL-SN-199907	•••••	c10 N73-26229	US-PATENT-APPL-SN-228507		c11 N70-38182
US-PATENT-APPL-SN-199957	•••••	c05 N72-20105	US-PATENT-APPL-SN-228569		c14 N71-16014
US-PATENT-APPL-SN-200046 US-PATENT-APPL-SN-200085	• • • • • • • • • •	c26 N73-26751	US-PATENT-APPL-SN-228707	• • • • • • • • •	c25 N71-15650
US-PATENT-APPL-SN-200682		c07 N73-14130	US-PATENT-APPL-SN-229128		c14 N73-28490
US-PATENT-APPL-SN-200717	••••••	c09 N73-19234	US-PATENT-APPL-SN-229143	• • • • • • • • • •	c09 N72-21248
US-PATENT-APPL-SN-200762		c03 N73-20040	US-PATENT-APPL-SN-229286	• • • • • • • • • • • • • • • • • • • •	c33 N71-29052
US-PATENT-APPL-SN-201700		c09 N72-21254	US-PATENT-APPL-SN-229354	• • • • • • • • • •	c08 N72-21206 c14 N73-32323
US-PATENT-APPL-SN-201782		c15 N73-19458	US-PATENT-APPL-SN-229413	• • • • • • • • • • • • • • • • • • • •	c13 N72-20355
US-PATENT-APPL-SN-201904	•••••	c15 N73-30458	US-PATENT-APPL-SN-229916 US-PATENT-APPL-SN-231520	• • • • • • • • •	c27 N71-29155
US-PATENT-APPL-SN-202024	********	c14 N70-34156 c11 N70-34786	US-PATENT-APPL-SN-231520		c28 N70-39925
US-PATENT-APPL-SN-202029	•••••	c31 N71-10747	US-PATENT-APPL-SN-231662		c14 N73-30392
US-PATENT-APPL-SN-202030	•••••	C14 N72-21416	US-PATENT-APPL-SN-232C21		c21 N72-21632
US-PATENT-APPL-SN-202750		c05 N73-27941	US-PATENT-APPL-SN-232318		c11 N71-15960
US-PATENT-APPL-SN-202769 US-PATENT-APPL-SN-203271		c04 N72-21052	· US-PATENT-APPL-SN-232914	• • • • • • • • •	c15 N70-36412
US-PATENT-APPL-SN-203405		c02 N73-26006	US-PATENT-APPL-SN-233098		c12 N73-25262
US-PATENT-APPL-SN-203409		c28 N70-38197	US-PATENT-APPL-SN-233173	•••••	c12 N73-28144
US-PATENT-APPL-SN-203411		c33 N70-34812	US-PATENT-APPL-SN-233519	•••••	c28 N72-20769 c16 N72-22520
US-PATENT-APPL-SN-204015		c09 N70-38201	US-PATENT-APPL-SN-233587	• • • • • • • • • • • • • • • • • • • •	c15 N72-22320
US-PATENT-APPL-SN-205047		c15 N73-32360	US-PATENT-APPL-SN-233743 US-PATENT-APPL-SN-234568		c28 N70-34788
US-PATENT-APPL-SN-205470	• • • • • • • • • • • • • • • • • • • •	c08 N71-18752	US-PATENT-APPL-SN-234366		c08 N71-12501
US-PATENT-APPL-SN-205675	•••••	c14 N73-30386 c24 N72-20637	US-PATENT-APPL-SN-235102		c23 N72-28696
US-PATENT-APPL-SN-206266	••••••	c02 N73-26005	US-PATENT-APPL-SN-235266	••••••	c26 N73-32571
US-PATENT-APPL-SN-206279 US-PATENT-APPL-SN-206698		c15 N73-30459	US-PATENT-APPL-SN-235268	• • • • • • • • •	c16 N72-25490
US-PATENT-APPL-SN-20030		c07 N73-30113	US-PATENT-APPL-SN-235269	• • • • • • • • •	c09 N73-30181
US-PATENT-APPL-SN-20721		c07 N70-38200	US-PATENT-APPL-SN-235295	• • • • • • • • •	c09 N73-30185
US-PATENT-APPL-SN-209479		c15 N70-34850	US-PATENT-APPL-SN-235338	• • • • • • • • •	c23 N72-25628
US-PATENT-APPL-SN-209535		c28 N73-24783	US-PATENT-APPL-SN-235588	•••••	c28 N71-28928
US-PATENT-APPL-SN-209616		c10 N72-21276	US-PATENT-APPL-SN-235957	• • • • • • • • • • • • • • • • • • • •	c14 N73-27376
US-PATENT-APPL-SN-209801		c08 N70-40125	US-PATENT-APPL-SN-235962	•••••	c16 N72-25491 c14 N72-25428
US-PATENT-APPL-SN-209802		c09 N73-14215	US-PATENT-APPL-SN-236052		c09 N73-20232
US-PATENT-APPL-SN-211411		c11 N73-20267	US-PATENT-APPL-SN-236281 US-PATENT-APPL-SN-236285		c08 N73-26175
US-PATENT-APPL-SN-211464	••••••	c28 N70-36910	US-PATENT-APPL-SN-236265 US-PATENT-APPL-SN-236748		c14 N70-40157
US-PATENT-APPL-SN-212010	•••••	c14 N72-20394 c09 N73-14214	US-PATENT-APPL-SN-236749	*********	c15 N70-40180
US-PATENT-APPL-SN-212028	•••••	c14 N73-25460	US-PATENT-APPL-SN-237029		c09 N73-32108
US-PATENT-APPL-SN-212165		c02 N71-13421	US-PATENT-APPL-SN-237491		c02 N73-30938
US-PATENT-APPL-SN-212173		c15 N70-34859	US-PATENT-APPL-SN-237694	• • • • • • • • •	c14 N73-29436
US-PATENT-APPL-SN-212174 US-PATENT-APPL-SN-212496		c03 N70-36803	US-PATENT-APPL-SN-238047	••••	c10 N72-21274
US-PATENT-APPL-SN-21249	7	c11 N71-28779	US-PATENT-APPL-SN-238263	••••	c14 N72-27421
US-PATENT-APPL-SN-212900		c14 N73-25462	US-PATENT-APPL-SN-238264		c15 N72-21473
US-PATENT-APPL-SN-21292		c07 N73-20176	US-PATENT-APPL-SN-238421		c28 N71-29153 c10 N72-27255
US-PATENT-APPL-SN-21297	7	c15 N73-30460	US-PATENT-APPL-SN-239573		c09 N73-32107
US-PATENT-APPL-SN-21300	+	c14 N73-19421	US-PATENT-APPL-SN-239574	• • • • • • • • • • • • • • • • • • • •	CO) MIJ J210/

US-PATENT-APPL-SN-239575		c32 N72-27947	US-PATENT-APPL-SN-266866		A22 N72-22040
US-PATENT-APPL-SN-239577	*********	c14 N72-28462	US-PATENT-APPL-SN-266899	••••••	c33 N73-32818 c08 N72-27215
US-PATENT-APPL-SN-239803	• • • • • • • • • • • • • • • • • • • •	c23 N72-28694	US-PATENT-APPL-SN-266911	********	c14 N72-28461
US-PATENT-APPL-SN-240760 US-PATENT-APPL-SN-240871	•••••	c15 N71-16075	US-PATENT-APPL-SN-266912	•••••	c07 N72-28166
US-PATENT-APPL-SN-241061	100000000	c10 N73-20257 c06 N73-33076	US-PATENT-APPL-SN-266913 US-PATENT-APPL-SN-266925	•••••	c15 N72-28507
US-PATENT-APPL-SN-241085	••••••	c14 N70-40238	US-PATENT-APPL-SN-266771	••••••	c05 N72-28098 c15 N73-15503
US-PATENT-APPL-SN-241614	•••••	c10 N73-27171	US-PATENT-APPL-SN-266927	•••••••	c24 N72-28714
US-PATENT-APPL-SN-241615	•••••	c09 N73-32111	US-PATENT-APPL-SN-266928	*********	c17 N72-28542
US-PATENT-APPL-SN-242027	•••••••	c05 N72-22098	US-PATENT-APPL-SN-266930	• • • • • • • • • • • • • • • • • • • •	c05 N72-28097
US-PATENT-APPL-SN-242028 US-PATENT-APPL-SN-242662	• • • • • • • • • •	c21 N73-30641 c14 N73-22388	US-PATENT-APPL-SN-266940	• • • • • • • • • • •	c07 N72-27178
US-PATENT-APPL-SN-243374	•••••	c31 N72-25853	US-PATENT-APPL-SN-266943 US-PATENT-APPL-SN-267572	•••••	c24 N72-28719 c11 N73-29138
US-PATENT-APPL-SN-244440	********	c21 N73-19630	US-PATENT-APPL-SN-267768	••••••	c23 N72-27739
US-PATENT-APPL-SN-244440	• • • • • • • • • •	c14 N73-32320	US-PATENT-APPL-SN-267862	••••••	c09 N72-27233
US-PATENT-APPL-SN-244519	• • • • • • • • •	c15 N72-25480	US-PATENT-APPL-SN-269212	• • • • • • • • • • • • • • • • • • • •	c07 N71-10775
US-PATENT-APPL-SN-244523 US-PATENT-APPL-SN-244566	********	c31 N73-30829 c14 N73-10460	US-PATENT-APPL-SN-269215	•••••	c14 N70-41332
US-PATENT-APPL-SN-245063	********	c09 N72-27230	US-PATENT-APPL-SN-269222 US-PATENT-APPL-SN-270118	•••••	c15 N70-38225
US-PATENT-APPL-SN-245941	•••••	c33 N71-17897	US-PATENT-APPL-SN-271821	*********	c33 N71-17610 c15 N71-10778
US-PATENT-APPL-SN-246056	• • • • • • • • • • • •	c23 N72-25627	US-PATENT-APPL-SN-271822	••••••	c15 N71-15967
US-PATENT-APPL-SN-247055	•••••	c15 N72-25479	US-PATENT-APPL-SN-271823	•••••	c27 N71-28929
US-PATENT-APPL-SN-247090 US-PATENT-APPL-SN-247136	•••••	c15 N72-25471	US-PATENT-APPL-SN-271824	•••••	c07 N71-21476
US-PATENT-APPL-SN-247419	•••••••	c14 N71-30265 c14 N70-36907	US-PATENT-APPL-SN-271951 US-PATENT-APPL-SN-273222	••••••	c14 N72-28460
US-PATENT-APPL-SN-247423	••••••	c01 N71-13410	US-PATENT-APPL-SN-273222	• • • • • • • • • • • • • • • • • • • •	c09 N72-31239 c15 N72-28502
US-PATENT-APPL-SN-247481	• • • • • • • • • • • • • • • • • • • •	c05 N73-26071	US-PATENT-APPL-SN-273240	••••••	c15 N72-26302
US-PATENT-APPL-SN-247482	********	c17 N72-25517	US-PATENT-APPL-SN-273534	• • • • • • • • • •	c09 N70-38712
US-PATENT-APPL-SN-248469 US-PATENT-APPL-SN-248471	•••••	c14 N73-32318	US-PATENT-APPL-SN-274065	•••••	c16 N71-28963
US-PATENT-APPL-SN-248761	*********	c15 N72-28503 c13 N72-29425	US-PATENT-APPL-SN-274360	• • • • • • • • • • •	c07 N72-28165
US-PATENT-APPL-SN-248985	*********	c03 N71-29129	US-PATENT-APPL-SN-275118 US-PATENT-APPL-SN-277402	*********	c14 N72-28463 c22 N70-34501
US-PATENT-APPL-SN-249537	• • • • • • • • • • • • • • • • • • • •	c14 N71-10797	US-PATENT-APPL-SN-277404	••••••	c05 N70-39922
US-PATENT-APPL-SN-249539	••••••	c28 N71-15658	US-PATENT-APPL-SN-277436	•••••	c15 N72-31490
US-PATENT-APPL-SN-249540 US-PATENT-APPL-SN-249542	• • • • • • • • • • • • • • • • • • • •	c15 N70-34861	US-PATENT-APPL-SN-277833	•••••	c03 N70-41580
US-PATENT-APPL-SN-250335	• • • • • • • • • • • • • • • • • • • •	c28 N70-41576 c12 N72-25306	US-PATENT-APPL-SN-277904 US-PATENT-APPL-SN-277961	•••••	c33 N73-29559
US-PATENT-APPL-SN-250451	*********	c08 N70-34787	US-PATENT-APPL-SN-277901	••••••	c33 N70-36617 c15 N70-34664
US-PATENT-APPL-SN-250567	• • • • • • • • • •	c33 N71-24876	US-PATENT-APPL-SN-279646		c08 N71-21042
US-PATENT-APPL-SN-250766	•••••	c07 N73-30115	US-PATENT-APPL-SN-280029	•••••	c15 N73-30461
US-PATENT-APPL-SN-250974 US-PATENT-APPL-SN-251449	•••••	c31 N71-15664	US-PATENT-APPL-SN-280030	• • • • • • • • • •	c15 N73-20535
US-PATENT-APPL-SN-251451	•••••••	c07 N70-40063 c09 N70-35425	US-PATENT-APPL-SN-280031 US-PATENT-APPL-SN-280032	•••••	c26 N73-26752
US-PATENT-APPL-SN-251609	*********	c05 N73-30078	US-PATENT-APPL-SN-280305	••••••	c14 N73-30415 c14 N72-33379
US-PATENT-APPL-SN-251621	•••••	c16 N73-32391	US-PATENT-APPL-SN-280362	•••••	c14 N71-28935
US-PATENT-APPL-SN-251752	•••••	c15 N72-27527	US-PATENT-APPL-SN-280390	••••••	c15 N72-31491
US-PATENT-APPL-SN-252259 US-PATENT-APPL-SN-253006	•••••	c33 N70-34545	US-PATENT-APPL-SN-280580	•••••	c12 N71-21089
US-PATENT-APPL-SN-253249	••••••	c22 N70-34248 c09 N72-27232	US-PATENT-APPL-SN-280776 US-PATENT-APPL-SN-280777	•••••	c14 N70-40273
US-PATENT-APPL-SN-253405	*********	c10 N73-26228	US-PATENT-APPL-SN-281069	• • • • • • • • • • • • • • • • • • • •	c08 N70-41961 c14 N70-35394
US-PATENT-APPL-SN-253725	• • • • • • • • • •	c14 N73-30416	US-PATENT-APPL-SN-281875		c33 N73-11972
US-PATENT-APPL-SN-253774	•••••	c25 N70-36946	US-PATENT-APPL-SN-281876	• • • • • • • • • • •	c05 N72-31116
US-PATENT-APPL-SN-254173 US-PATENT-APPL-SN-254177		c14 N72-25440 c10 N73-26230	US-PATENT-APPL-SN-281877	•••••	c16 N72-31515
US-PATENT-APPL-SN-254279		c06 N72-25164	US-PATENT-APPL-SN-281908 US-PATENT-APPL-SN-282738	•••••	c06 N72-31145
US-PATENT-APPL-SN-254323	•••••	c14 N72-28443	US-PATENT-APPL-SN-282817		c05 N72-31117 c15 N70-40156
US-PATENT-APPL-SN-254847	• • • • • • • • • •	c15 N71-22874	US-PATENT-APPL-SN-282818	••••••	c14 N71-14996
US-PATENT-APPL-SN-255132 US-PATENT-APPL-SN-256317	•••••	c14 N71-15598	US-PATENT-APPL-SN-283502	• • • • • • • • • •	c15 N73-29458
US-PATENT-APPL-SN-256484	• • • • • • • • • • • • • • • • • • • •	c05 N72-25142 c06 N70-34946	US-PATENT-APPL-SN-284245 US-PATENT-APPL-SN-284265	•••••	c09 N73-22150
US-PATENT-APPL-SN-257346		c15 N70-36901	US-PATENT-APPL-SN-284266		c14 N70-34799 c15 N71-16077
US-PATENT-APPL-SN-258152	• • • • • • • • • •	c14 N72-28442	US-PATENT-APPL-SN-284757	••••••	c14 N70-34669
US-PATENT-APPL-SN-258171 US-PATENT-APPL-SN-258331	•••••	c12 N72-27310	US-PATENT-APPL-SN-285705	*********	c15 N73-11442
US-PATENT-APPL-SN-258931	*******	c03 N73-31988 c14 N70-40203	US-PATENT-APPL-SN-286620	• • • • • • • • • • • • • • • • • • • •	c15 N71-30028
US-PATENT-APPL-SN-258932	•••••	c05 N70-36493	US-PATENT-APPL-SN-287149 US-PATENT-APPL-SN-287150		c14 N73-20483 c15 N73-10501
US-PATENT-APPL-SN-259487		c33 N70-36847	US-PATENT-APPL-SN-288847	*********	c14 N73-10461
US-PATENT-APPL-SN-260087	•••••	c21 N71-21688	US-PATENT-APPL-SN-288856	*********	c09 N72-32229
US-PATENT-APPL-SN-260093 US-PATENT-APPL-SN-260241	•••••	c14 N72-27425	US-PATENT-APPL-SN-288857	• • • • • • • • • • • • • • • • • • • •	c14 N73-33361
US-PATENT-APPL-SN-261183	•••••••	c23 N72-27736 c11 N72-27271	US-PATENT-APPL-SN-289017	•••••	c15 N73-10504
US-PATENT-APPL-SN-261912	•••••	c14 N70-34818	US-PATENT-APPL-SN-289018 US-PATENT-APPL-SN-289033	•••••	c02 N73-10031
US-PATENT-APPL-SN-261917	••••••	c09 N70-40272	US-PATENT-APPL-SN-289048	••••••	c15 N73-32358 c15 N72-33478
US-PATENT-APPL-SN-261918	•••••	c28 N70-41447	US-PATENT-APPL-SN-289049	*********	c14 N73-11406
US-PATENT-APPL-SN-262430 US-PATENT-APPL-SN-262596	••••••	c23 N72-27731	US-PATENT-APPL-SN-289050	• • • • • • • • • • • • • • • • • • • •	c15 N72-32501
US-PATENT-APPL-SN-263230	•••••	c14 N71-28958 c09 N73-32117	US-PATENT-APPL-SN-290021 US-PATENT-APPL-SN-290022	•••••	c15 N73-10499
US-PATENT-APPL-SN-263498		c14 N72-27430	US-PATENT-APPL-SN-290022 US-PATENT-APPL-SN-290030	• • • • • • • • • • • • • • • • • • • •	c09 N73-12214 c08 N73-12192
US-PATENT-APPL-SN-263815	• • • • • • • • • • • • • • • • • • • •	c11 N72-27272	US-PATENT-APPL-SN-290867	*********	c28 N7C-39931
US-PATENT-APPL-SN-264728	•••••	c30 N70-40016	US-PATENT-APPL-SN-290868	•••••	c31 N70-34966
US-PATENT-APPL-SN-264729 US-PATENT-APPL-SN-264731	• • • • • • • • •	c33 N70-34540	US-PATENT-APPL-SN-290870	•••••	c15 N70-38996
US-PATENT-APPL-SN-264735	••••••	c09 N70-41655 c28 N70-33265	US-PATENT-APPL-SN-290873 US-PATENT-APPL-SN-290915	•••••	c10 N71-16058
US-PATENT-APPL-SN-264736		c28 N70-35203	US-PATENT-APPL-SN-290915	• • • • • • • • • • •	c07 N73-12150 c05 N73-11097
US-PATENT-APPL-SN-266107	•••••	c11 N71-15925	US-PATENT-APPL-SN-292477	• • • • • • • • • • • • • • • • • • • •	c15 N73-11097
US-PATENT-APPL-SN-266772 US-PATENT-APPL-SN-266820	•••••	c15 N72-27486	US-PATENT-APPL-SN-292596	•••••	c10 N71-29135
US-PATENT-APPL-SN-266820 US-PATENT-APPL-SN-266822	••••••	c28 N72-27820 c07 N72-28164	US-PATENT-APPL-SN-292682	• • • • • • • • • • • • • • • • • • • •	c14 N73-32319
US-PATENT-APPL-SN-266832	•••••••	c09 N72-28227	US-PATENT-APPL-SN-292685 US-PATENT-APPL-SN-292686	••••••	c09 N73-11206
					c28 N72-32760

US-PATENT-APPL-SN-292698		c09 N73-32109	US-PATENT-APPL-SN-319905	•••••	c14 N71-10781
US-PATENT-APPL-SN-293725		c14 N73-11404	US-PATENT-APPL-SN-320233	• • • • • • • • • •	c33 N71-15625
US-PATENT-APPL-SN-293726	•••••	c15 N73-10500	US-PATENT-APPL-SN-320595		c26 N70-40015
US-PATENT-APPL-SN-293727		c10 N72-33232	US-PATENT-APPL-SN-321179		c18 N73-29554
US-PATENT-APPL-SN-293739	•••••	c21 N73-11680	US-PATENT-APPL-SN-321180	• • • • • • • • • •	c02 N73-30018
US-PATENT-APPL-SN-294727	•••••	c22 N73-12702	US-PATENT-APPL-SN-321656	• • • • • • • • • •	c14 N70-41807
US-PATENT-APPL-SN-294738	•••••	c22 N73-13656	US-PATENT-APPL-SN-322545		c14 N71-10774
US-PATENT-APPL-SN-295855		c23 N71-17802	US-PATENT-APPL-SN-322997		c15 N73-19467
US-PATENT-APPL-SN-296879		c26 N71-18064	US-PATENT-APPL-SN-322998	• • • • • • • • • • • • • • • • • • • •	c14 N73-15474
US-PATENT-APPL-SN-297127		c10 N73-10269	US-PATENT-APPL-SN-323182		c03 N70-41864
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US-PATENT-APPL-SN-298156		c15 N73-10502	US-PATENT-APPL-SN-325784		
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US-PATENT-APPL-SN-298799		c14 N71-15962	US-PATENT-APPL-SN-326298	•••••	c26 N71-17818
US-PATENT-APPL-SN-298800		c14 N70-34705	US-PATENT-APPL-SN-326299	•••••	c14 N73-17564
US-PATENT-APPL-SN-299042		c15 N71-15918	US-PATENT-APPL-SN-326326	• • • • • • • • • • • • • • • • • • • •	c03 N73-17037
US-PATENT-APPL-SN-300113	• • • • • • • • •	c33 N70-33344	US-PATENT-APPL-SN-326327 US-PATENT-APPL-SN-326364		c05 N73-16096
US-PATENT-APPL-SN-300712	• • • • • • • • •	c15 N70-35407	US-PATENT-APPL-SN-320163	•••••	c03 N71-20895
US-PATENT-APPL-SN-300957	• • • • • • • • •	c33 N71-29053	US-PATENT-APPL-SN-327565	•••••	c02 N70-36825
US-PATENT-APPL-SN-301039	• • • • • • • • •	c15 N73-11443 c14 N73-12456	US-PATENT-APPL-SN-327921		c05 N73-18139
US-PATENT-APPL-SN-301417	•••••	c05 N73-14093	US-PATENT-APPL-SN-327969	•••••	c14 N73-29437
US-PATENT-APPL-SN-301418	• • • • • • • • • • • • • • • • • • • •	c12 N73-12295	US-PATENT-APPL-SN-327982		c06 N73-17153
US-PATENT-APPL-SN-301419	• • • • • • • • • • • • • • • • • • • •	c07 N71-15907	US-PATENT-APPL-SN-328140	•••••	c18 N71-21651
US-PATENT-APPL-SN-301683	•••••	c15 N73-14480	US-PATENT-APPL-SN-328792		c14 N73-17563
US-PATENT-APPL-SN-302681	•••••	c02 N73-13023	US-PATENT-APPL-SN-328795		c33 N73-17917
US-PATENT-APPL-SN-302720		c14 N70-40201	US-PATENT-APPL-SN-329237		c09 N73-18224
US-PATENT-APPL-SN-302749 US-PATENT-APPL-SN-304430		c14 N73-11405	US-PATENT-APPL-SN-329243		c27 N73-17802
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US-PATENT-APPL-SN-304705		c07 N73-11142	US-PATENT-APPL-SN-329595		c05 N70-41329
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US-PATENT-APPL-SN-305012	••••••	c14 N73-13436	US-PATENT-APPL-SN-330209	• • • • • • • • • • • • • • • • • • • •	c15 N70-41646
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US-PATENT-APPL-SN-305020		c21 N70-34295	US-PATENT-APPL-SN-331323	• • • • • • • • • •	c07 N71-16088
US-PATENT-APPL-SN-305638		c15 N73-13474	US-PATENT-APPL-SN-331324	• • • • • • • • • •	c05 N70-35152
US-PATENT-APPL-SN-305639		c15 N73-14479	US-PATENT-APPL-SN-331759	• • • • • • • • • •	c28 N73-19819 c14 N73-18443
US-PATENT-APPL-SN-306652		c10 N73-15255	US-PATENT-APPL-SN-331760	• • • • • • • • • •	c21 N71-10678
US-PATENT-APPL-SN-306980		c07 N73-24187	US-PATENT-APPL-SN-332313	•••••	c07 N71-10076
US-PATENT-APPL-SN-307269		c24 N71-10560	US-PATENT-APPL-SN-332339	• • • • • • • • • • • • • • • • • • • •	c14 N73-31401
US-PATENT-APPL-SN-307270		c10 N71-16030	US-PATENT-APPL-SN-332529	• • • • • • • • • • • • • • • • • • • •	c31 N71-15663
US-PATENT-APPL-SN-307271		c09 N71-22999	US-PATENT-APPL-SN-333766	•••••	c21 N71-15583
US-PATENT-APPL-SN-307714	• • • • • • • • •	c07 N73-31084	US-PATENT-APPL-SN-333770 US-PATENT-APPL-SN-333912		c07 N73-18177
US-PATENT-APPL-SN-307727	• • • • • • • • •	c07 N73-14171	US-PATENT-APPL-SN-333312		c15 N73-18474
US-PATENT-APPL-SN-307728	• • • • • • • • •	c14 N73-12455	US-PATENT-APPL-SN-334672		c14 N70-41330
US-PATENT-APPL-SN-307729		c15 N73-12494	US-PATENT-APPL-SN-334678		c11 N71-10777
US-PATENT-APPL-SN-308362	•••••	c09 N73-12216 c15 N73-12496	US-PATENT-APPL-SN-335201		c09 N73-20238
US-PATENT-APPL-SN-308363	•••••	c27 N71-15634	US-PATENT-APPL-SN-335441	********	c14 N71-23268
US-PATENT-APPL-SN-308918	• • • • • • • • • • • • • • • • • • • •	c11 N71-15926	US-PATENT-APPL-SN-336103		c16 N71-15550
US-PATENT-APPL-SN-309354	•••••	c07 N73-12151	US-PATENT-APPL-SN-336319		c33 N73-20931
US-PATENT-APPL-SN-310034	*********	c09 N73-30187	US-PATENT-APPL-SN-336320		c15 N71-15966
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US-PATENT-APPL-SN-310506 US-PATENT-APPL-SN-310507		CO7 N71-11298	US-PATENT-APPL-SN-336608		c32 N71-17645
US-PATENT-APPL-SN-310611		c32 N73-13929	US-PATENT-APPL-SN-337487		c15 N73-18473
US-PATENT-APPL-SN-310615		c15 N73-29459	US-PATENT-APPL-SN-337816	• • • • • • • • •	c14 N73-18444
US-PATENT-APPL-SN-310616		c14 N73-13434	US-PATENT-APPL-SN-338484		c07 N73-20180
US-PATENT-APPL-SN-310624		c09 N73-29124	US-PATENT-APPL-SN-339040	• • • • • • • • • •	c31 N70-41373
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US-PATENT-APPL-SN-311234		c14 N73-29438	US-PATENT-APPL-SN-339821	• • • • • • • • • •	c17 N70-33288 c28 N71-15660
US-PATENT-APPL-SN-311387		c23 N71-30027	US-PATENT-APPL-SN-339825	• • • • • • • • • • • • • • • • • • • •	c16 N70-41578
US-PATENT-APPL-SN-312269		c28 N71-14043	US-PATENT-APPL-SN-340113	• • • • • • • • • • • • • • • • • • • •	c14 N73-20487
US-PATENT-APPL-SN-312443		c10 N71-21473	US-PATENT-APPL-SN-340791 US-PATENT-APPL-SN-340862		c09 N73-32121
US-PATENT-APPL-SN-313132	• • • • • • • • •	c28 N70-34175		• • • • • • • • •	c24 N73-20763
US-PATENT-APPL-SN-313135		c15 N70-35087	US-PATENT-APPL-SN-340863 US-PATENT-APPL-SN-340864		c15 N73-20526
US-PATENT-APPL-SN-313136	•••••	c09 N71-12540 c14 N73-13433	US-PATENT-APPL-SN-340865		c31 N73-20880
US-PATENT-APPL-SN-313381	• • • • • • • • • •	c06 N73-29074	US-PATENT-APPL-SN-341467	•••••	c15 N70-39924
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US-PATENT-APPL-SN-314570		c14 N71-15992	US-PATENT-APPL-SN-342574		c03 N71-20904
US-PATENT-APPL-SN-314572 US-PATENT-APPL-SN-315048		c12 N73-16248	US-PATENT-APPL-SN-343308		c03 N73-20042
US-PATENT-APPL-SN-315068		c02 N73-20008	US-PATENT-APPL-SN-343425		c11 N70-35383
US-PATENT-APPL-SN-315069		c09 N73-16185	US-PATENT-APPL-SN-343426	• • • • • • • • • •	c07 N71-20814
US-PATENT-APPL-SN-315070		c08 N73-16163	US-PATENT-APPL-SN-343607	• • • • • • • • •	c15 N73-20525
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US-PATENT-APPL-SN-316477		c18 N71-10772	US-PATENT-APPL-SN-344410		c28 N73-20826
US-PATENT-APPL-SN-316618		c28 N73-14792	US-PATENT-APPL-SN-344793	•••••	c03 N71-11058 c07 N73-23106
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US-PATENT-APPL-SN-319150)	c09 N73-18225	US-PATENT-APPL-SN-347953		c05 N73-21151
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	US-PATENT-APPL-SN-348600		c28 N71-29154	US-PATENT-APPL-SN-372143	• • • • • • • • •	c15 N73-27407
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	US-PATENT-APPL-SN-349778	• • • • • • • • •	c09 N70-40234	US-PATENT-APPL-SN-372149		c15 N73-26474
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	US-PATENT-APPL-SN-350250		c18 N73-21471	US-PATENT-APPL-SN-372730		c28 N71-28850
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			c15 N71-10672	US-PATENT-APPL-SN-373588		
	US-PATENT-APPL-SN-351259				•••••	c09 N73-26199
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	US-PATENT-APPL-SN-352382	• • • • • • • • •	c08 N73-21199	US-PATENT-APPL-SN-374422	• • • • • • • • •	c07 N73-27106
	US-PATENT-APPL-SN-352383	• • • • • • • • • •	c14 N73-21390	US-PATENT-APPL-SN-374423		c16 N73-27431
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	US-PATENT-APPL-SN-353162		c09 N73-23291	US-PATENT-APPL-SN-374583		c09 N73-27153
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	US-PATENT-APPL-SN-353634		c15 N70-41829	US-PATENT-APPL-SN-375405	********	c31 N71-15675
	US-PATENT-APPL-SN-353637	• • • • • • • • •	c02 N70-34160	US-PATENT-APPL-SN-375674	••••••	c28 N70-41582
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	US-PATENT-APPL-SN-353645		c15 N71-15922	US-PATENT-APPL-SN-375682		c31 N70-41588
	US-PATENT-APPL-SN-354060		c23 N73-22630	US-PATENT-APPL-SN-376258		
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_	US-PATENT-APPL-SN-354406	• • • • • • • • • •	c05 N73-22045	US-PATENT-APPL-SN-377777	********	c32 N70-42003
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	US-PATENT-APPL-SN-354612	• • • • • • • • •	c14 N73-22386	US-PATENT-APPL-SN-379019	• • • • • • • • • •	c11 N73-27175
	US-PATENT-APPL-SN-355126	• • • • • • • • • • •	c17 N71-15644	US-PATENT-APPL-SN-379049	• • • • • • • • • •	c15 N73-31444
	US-PATENT-APPL-SN-355129	• • • • • • • • • •	c14 N70-41957	US-PATENT-APPL-SN-379072		c15 N71-16078
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	US-PATENT-APPL-SN-356488	*********	c08 N71-19544	US-PATENT-APPL-SN-379417		c02 N70-41863
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			c17 N73-22474	US-PATENT-APPL-SN-380960		
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	US-PATENT-APPL-SN-357334	• • • • • • • • • • • • • • • • • • • •	c03 N71-12258	US-PATENT-APPL-SN-380965	•••••	c10 N71-23033
	US-PATENT-APPL-SN-357336	• • • • • • • • • •	c03 N71-12259	US-PATENT-APPL-SN-381940	• • • • • • • • • •	c09 N71-20705
	US-PATENT-APPL-SN-357337	•••••	c15 N71-10782	US-PATENT-APPL-SN-382261	• • • • • • • • •	c14 N73-28495
	US-PATENT-APPL-SN-357340	• • • • • • • • •	c23 N71-15673	US-PATENT-APPL-SN-382262	• • • • • • • • • •	c15 N73-28532
	US-PATENT-APPL-SN-358127	•••••	c05 N71-12335	US-PATENT-APPL-SN-382976	• • • • • • • • • •	c15 N71-21179
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	US-PATENT-APPL-SN-359156	• • • • • • • • • • • • • • • • • • • •	c14 N73-23526	US-PATENT-APPL-SN-384773		c21 N73-28646
	US-PATENT-APPL-SN-359157	• • • • • • • • •	c14 N73-23525	US-PATENT-APPL-SN-384811		c15 N71-10809
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	US-PATENT-APPL-SN-359957	• • • • • • • • • •	c02 N73-22975	US-PATENT-APPL-SN-385520	• • • • • • • • •	c14 N71-23037
	US-PATENT-APPL-SN-359958	•••	c15 N73-23552	US-PATENT-APPL-SN-385522	*******	c12 N73-28179
	US-PATENT-APPL-SN-360180	••••	c17 N71-16026	US-PATENT-APPL-SN-385526	*********	c12 N71-16031
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	US-PATENT-APPL-SN-363348	• • • • • • • • • •	c05 N70-41581	US-PATENT-APPL-SN-387095	********	c15 N73-30462
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	US-PATENT-APPL-SN-363654	•••••	c07 N70-41372	US-PATENT-APPL-SN-388023		c10 N70-41964
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	US-PATENT-APPL-SN-364867	• • • • • • • • •	c09 N71-10673	US-PATENT-APPL-SN-388966	• • • • • • • • • •	c31 N70-41855
	US-PATENT-APPL-SN-365644	• • • • • • • • •	c16 N73-26500	US-PATENT-APPL-SN-388967		c10 N71-23271
	US-PATENT-APPL-SN-366226	• • • • • • • • • •	c1C N71-16057	US-PATENT-APPL-SN-389916	• • • • • • • • • •	c31 N73-30832
	US-PATENT-APPL-SN-367267		c02 N73-26008	US-PATENT-APPL-SN-389929	• • • • • • • • •	c10 N73-31202
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	US-PATENT-APPL-SN-367292		c14 N73-26442	US-PATENT-APPL-SN-390251	•••••	c07 N71-23026
	US-PATENT-APPL-SN-367293		c16 N73-25564	US-PATENT-APPL-SN-390466		c18 N73-30536
	US-PATENT-APPL-SN-367294		c30 N73-26838	US-PATENT-APPL-SN-390467		c05 N73-31011
	US-PATENT-APPL-SN-367606		c25 N73-26721	US-PATENT-APPL-SN-390468		c16 N73-31467
	US-PATENT-APPL-SN-368123		c09 N71-10618	US-PATENT-APPL-SN-391343		c05 N69-21473
	US-PATENT-APPL-SN-369334		c21 N71-22880	US-PATENT-APPL-SN-392823		c33 N73-31826
	US-PATENT-APPL-SN-369336		c09 N71-10659	US-PATENT-APPL-SN-392965		
	US-PATENT-APPL-SN-369337		c15 N70-41811		• • • • • • • • • •	c18 N71-22998
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	US-PATENT-APPL-SN-369338 US-PATENT-APPL-SN-369640	•••••	c08 N71-28925	US-PATENT-APPL-SN-392970	• • • • • • • • • • • • • • • • • • • •	c32 N70-41367
		•••••	c32 N70-41370	US-PATENT-APPL-SN-392973	• • • • • • • • • • • • • • • • • • • •	c07 N71-23001
	US-PATENT-APPL-SN-370134	*********	c30 N70-40353	US-PATENT-APPL-SN-392992	•••••	c15 N71-23052
	US-PATENT-APPL-SN-370135	•••••	c11 N70-41677	US-PATENT-APPL-SN-393451	• • • • • • • • • • • • • • • • • • • •	c02 N70-42016
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	US-PATENT-APPL-SN-370271		c07 N73-27107	US-PATENT-APPL-SN-393464	• • • • • • • • • •	c23 N71-21821
	US-PATENT-APPL-SN-370505	• • • • • • • • • •	c09 N73-26196	US-PATENT-APPL-SN-393523		c15 N73-31443
	US-PATENT-APPL-SN-370581	• • • • • • • • • •	c27 N73-27695	US-PATENT-APPL-SN-393525	• • • • • • • • • •	c15 N73-31442
	US-PATENT-APPL-SN-370582	• • • • • • • • •	c31 N73-26879	US-PATENT-APPL-SN-393526		c33 N73-32823
	US-PATENT-APPL-SN-370872		c15 N73-26475	US-PATENT-APPL-SN-393527		c31 N73-32769
	US-PATENT-APPL-SN-370989		c23 N71-29049	US-PATENT-APPL-SN-393528		c16 N73-32398
	US-PATENT-APPL-SN-370999	•••••	c23 N73-32538	US-PATENT-APPL-SN-394206	•••••	c09 N73-32114
	US-PATENT-APPL-SN-371322	•••••	c03 N73-26048	US-PATENT-APPL-SN-394638		c28 N70-34162
	US-PATENT-APPL-SN-371856	•••••	c15 N70-42033	US-PATENT-APPL-SN-394898	•••••	c28 N73-31699
	US-PATENT-APPL-SN-371857		c07 N70-41680	US-PATENT-APPL-SN-395348	*********	c15 N71-22713
	US-PATENT-APPL-SN-372142		c03 N73-26047	US-PATENT-APPL-SN-395493		c15 N73-32371

US-PATENT-APPL-SN-395687		c15 N73-31445	US-PATENT-APPL-SN-430192	•••••	c18 N71-27170
US-PATENT-APPL-SN-395868		c09 N73-32116	US-PATENT-APPL-SN-430226	*********	c18 N71-23658
US-PATENT-APPL-SN-396443		c15 N71-15986	US-PATENT-APPL-SN-430776	•••••••	c03 N70-41954
US-PATENT-APPL-SN-396444		c10 N71-20782	US-PATENT-APPL-SN-430777	•••••••	c18 N71-24184
US-PATENT-APPL-SN-397476		c33 N73-32828	US-PATENT-APPL-SN-430778	*********	c03 N71-10728
US-PATENT-APPL-SN-397477		c09 N73-32120	US-PATENT-APPL-SN-430780	•••••	c03 N71-12260
US-PATENT-APPL-SN-397478	*********	c04 N73-32000	US-PATENT-APPL-SN-431235		c15 N71-16052
US-PATENT-APPL-SN-397665		c10 N70-41991	US-PATENT-APPL-SN-432025		c15 N71-21531
US-PATENT-APPL-SN-398131	•••••	c05 N70-41297	US-PATENT-APPL-SN-432026		c07 N71-23405
US-PATENT-APPL-SN-398132	*******	c15 N7C-41808	US-PATENT-APPL-SN-432027		c21 N70-41930
US-PATENT-APPL-SN-398886		c28 N73-32624	US-PATENT-APPL-SN-432028		c15 N71-22723
US-PATENT-APPL-SN-398901	*******	c15 N73-32376	US-PATENT-APPL-SN-432030		c12 N71-20896
US-PATENT-APPL-SN-399419		c21 N71-23289	US-PATENT-APPL-SN-432032		c15 N69-24322
US-PATENT-APPL-SN-400467		c07 N73-32063	US-PATENT-APPL-SN-432433		c15 N71-22705
US-PATENT-APPL-SN-400613		c15 N71-21528	US-PATENT-APPL-SN-433821	• • • • • • • • • •	c09 N71-16089
US-PATENT-APPL-SN-400617		c31 N71-17629	US-PATENT-APPL-SN-434143		c15 N71-15871
US-PATENT-APPL-SN-402365		c31 N71-17730	US-PATENT-APPL-SN-434148		c31 N71-24750
US-PATENT-APPL-SN-402866		c23 N73-32542	US-PATENT-APPL-SN-435387	• • • • • • • • • •	c10 N70-42032
US-PATENT-APPL-SN-402867		c14 N73-32348	US-PATENT-APPL-SN-435433	• • • • • • • • • •	c14 N71-30026
US-PATENT-APPL-SN-402868	,	c14 N73-32344	US-PATENT-APPL-SN-435756	• • • • • • • • • •	c12 N71-16894
US-PATENT-APPL-SN-402978		c10 N71-23084	US-PATENT-APPL-SN-437611	•••••	c09 N71-22796
US-PATENT-APPL-SN-403695	••••••	c31 N73-32784	US-PATENT-APPL-SN-438135	•••••	c09 N71-23027
US-PATENT-APPL-SN-403959		c14 N70-41994	US-PATENT-APPL-SN-438797	• • • • • • • • • •	c14 N71-10500
US-PATENT-APPL-SN-403960	•••••	c14 N70-41366	US-PATENT-APPL-SN-439489	• • • • • • • • • • •	c09 N70-41717
US-PATENT-APPL-SN-404212	• • • • • • • • • •	c14 N73-32324	US-PATENT-APPL-SN-439490	• • • • • • • • • • • • • • • • • • • •	c23 N69-24332
US-PATENT-APPL-SN-405629	• • • • • • • • • •	c09 N71-10677	US-PATENT-APPL-SN-440033	********	c27 N70-41897
US-PATENT-APPL-SN-405630	•••••	c14 N71-10616	US-PATENT-APPL-SN-440036	•••••	c09 N71-23097
US-PATENT-APPL-SN-405632	•••••	c21 N71-15582	US-PATENT-APPL-SN-440039	• • • • • • • • • • • • • • • • • • • •	c09 N71-22888 c14 N69-39975
US-PATENT-APPL-SN-406097	•••••	c14 N71-21088	US-PATENT-APPL-SN-441936 US-PATENT-APPL-SN-442558	• • • • • • • • • •	
US-PATENT-APPL-SN-407595	• • • • • • • • • • • • • • • • • • • •	c28 N70-41992	US-PATENT-APPL-SN-442835	•••••	c15 N71-10799 c26 N71-29156
US-PATENT-APPL-SN-407599	•••••	c14 N71-21091 c05 N71-11199	US-PATENT-APPL-SN-442033	•••••	c02 N71-11041
US-PATENT-APPL-SN-407603 US-PATENT-APPL-SN-408435	********	c15 N71-28937	US-PATENT-APPL-SN-445292		c11 N71-23030
US-PATENT-APPL-SN-408438	•••••	c07 N71-22750	US-PATENT-APPL-SN-445807		c14 N71-22996
US-PATENT-APPL-SN-408442	•••••	c10 N71-23662	US-PATENT-APPL-SN-446131		c14 N71-22992
US-PATENT-APPL-SN-409126		c18 N71-21068	US-PATENT-APPL-SN-447927		c11 N71-10776
US-PATENT-APPL-SN-410325		c18 N71-23088	US-PATENT-APPL-SN-447928		c15 N71-10577
US-PATENT-APPL-SN-410326		c09 N71-21449	US-PATENT-APPL-SN-447930		c14 N69-39896
US-PATENT-APPL-SN-410330		c26 N71-23043	US-PATENT-APPL-SN-447933	•••••	c03 N69-21337
US-PATENT-APPL-SN-410331		c02 N70-41589	US-PATENT-APPL-SN-448365		c10 N71-26414
US-PATENT-APPL-SN-410332		c14 N71-23039	US-PATENT-APPL-SN-448898	•••••	c15 N70-41310
US-PATENT-APPL-SN-411944	*********	c15 N70-41629	US-PATENT-APPL-SN-449901	•••••	c28 N70-41967
US-PATENT-APPL-SN-411945		c18 N71-23047	US-PATENT-APPL-SN-449902		c14 N70-41681
US-PATENT-APPL-SN-411949	•••••	c27 N71-15635	US-PATENT-APPL-SN-451596		c17 N71-29137
US-PATENT-APPL-SN-413661		c15 N71-23024	US-PATENT-APPL-SN-452944		c18 N71-24183
US-PATENT-APPL-SN-413662		c09 N70-41929	US-PATENT-APPL-SN-452945		c18 N69-39979
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US-PATENT-APPL-SN-416940		c21 N71-21708	US-PATENT-APPL-SN-453229	• • • • • • • • • •	c17 N71-23828
US-PATENT-APPL-SN-416941		c31 N70-34159	US-PATENT-APPL-SN-453231	• • • • • • • • • •	c23 N71-15467
US-PATENT-APPL-SN-416943		c14 N71-23269	US-PATENT-APPL-SN-453232	• • • • • • • • • •	c15 N71-21311
US-PATENT-APPL-SN-416945		c10 N71-23543	US-PATENT-APPL-SN-455352	•••••	c33 N71-20834
US-PATENT-APPL-SN-416946		c28 N71-15563	US-PATENT-APPL-SN-455477	•••••	c08 N71-19687
US-PATENT-APPL-SN-417253	• • • • • • • • •	c11 N71-23042	US-PATENT-APPL-SN-456578	• • • • • • • • • •	c07 N70-41678
US-PATENT-APPL-SN-418362	• • • • • • • • • •	c14 N71-20741	US-PATENT-APPL-SN-456581	*****	c09 N71-23021
US-PATENT-APPL-SN-418931		c05 N70-42000	US-PATENT-APPL-SN-456874	•••••	c06 N71-23499
US-PATENT-APPL-SN-418933	• • • • • • • • • •	c15 N71-23022	US-PATENT-APPL-SN-457874	• • • • • • • • • • • • • • • • • • • •	c09 N71-23545
US-PATENT-APPL-SN-420245	• • • • • • • • • •	c08 N71-22749 c15 N71-23051	US-PATENT-APPL-SN-457875 US-PATENT-APPL-SN-457876	•••••	c31 N70-42015 c02 N71-12243
US-PATENT-APPL-SN-420250 US-PATENT-APPL-SN-420466	•••••	c14 N71-23092	US-PATENT-APPL-SN-457879	**********	c15 N71-21078
	•••••	c14 N71-23032	US-PATENT-APPL-SN-459138		c14 N71-10773
US-PATENT-APPL-SN-422092 US-PATENT-APPL-SN-422095		c07 N71-10676	US-PATENT-APPL-SN-459407		c14 N73-30391
US-PATENT-APPL-SN-422096	• • • • • • • • •	c03 N71-29044	US-PATENT-APPL-SN-460876		c09 N69-21470
US-PATENT-APPL-SN-422097		c11 N71-21481	US-PATENT-APPL-SN-460877		c33 N71-23085
US-PATENT-APPL-SN-422098		c15 N71-22797	US-PATENT-APPL-SN-461765		c17 N71-23046
US-PATENT-APPL-SN-422099		c14 N71-22964	US-PATENT-APPL-SN-462762	• • • • • • • • • • • • • • • • • • • •	c12 N69-21466
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US-PATENT-APPL-SN-422864		c05 N69-21925	US-PATENT-APPL-SN-464878		c10 N71-22986
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US-PATENT-APPL-SN-422867		c15 N70-40062	US-PATENT-APPL-SN-464880		c33 N71-21586
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US-PATENT-APPL-SN-423412		c08 N71-22897	US-PATENT-APPL-SN-466868		c22 N71-23599
US-PATENT-APPL-SN-424153		c15 N71-21234	US-PATENT-APPL-SN-466873		c17 N71-20743
US-PATENT-APPL-SN-424156	•••••	c02 N71-23007	US-PATENT-APPL-SN-466875	• • • • • • • • • • • • • • • • • • • •	c08 N71-22707
US-PATENT-APPL-SN-424157	• • • • • • • • • • • • • • • • • • • •	c28 N70-41275	US-PATENT-APPL-SN-467820	• • • • • • • • • • • • • • • • • • • •	c28 N71-26779
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US-PATENT-APPL-SN-425362	•• • • • • • • • •	c15 N71-10658	US-PATENT-APPL-SN-468655	•••••	c15 N69-21471
US-PATENT-APPL-SN-425363		c09 N71-20658	US-PATENT-APPL-SN-469011	•••••	c11 N69-21540
US-PATENT-APPL-SN-425364	•••••	c33 N71-15623	US-PATENT-APPL-SN-469012	•••••	c25 N71-20747
US-PATENT-APPL-SN-425365	•••••	c32 N71-21045	US-PATENT-APPL-SN-469013	••••	c14 N69-27423
US-PATENT-APPL-SN-425972	•••••	c03 N71-23006	US-PATENT-APPL-SN-470902		c06 N71-28808
US-PATENT-APPL-SN-426455	••••••	c28 N71-15661	US-PATENT-APPL-SN-471154	• • • • • • • • • • • • • • • • • • • •	c09 N73-28084
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US-PATENT-APPL-SN-476761	•••••	c11 N71-10748	US-PATENT-APPL-SN-512559	• • • • • • • • • • • • • • • • • • • •	c23 N71-22881
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US-PATENT-APPL-SN-477333	• • • • • • • • • •	c28 N70-41922	US-PATENT-APPL-SN-512562 US-PATENT-APPL-SN-514407	• • • • • • • • •	c18 N71-22894
US-PATENT-APPL-SN-478491	••••	c14 N69-21363 c15 N71-23256	US-PATENT-APPL-SN-515484		c14 N71-22993
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US-PATENT-APPL-SN-482311		c05 N71-22748	US-PATENT-APPL-SN-516153	• • • • • • • • • • • • • • • • • • • •	c10 N71-28783
US-PATENT-APPL-SN-482313	•••••	c11 N69-24321	US-PATENT-APPL-SN-516154	• • • • • • • • • •	c09 N69-24330 c09 N71-23270
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US-PATENT-APPL-SN-482952 US-PATENT-APPL-SN-483885		c04 N71-23185	US-PATENT-APPL-SN-516159		c14 N70-41812
US-PATENT-APPL-SN-483886		c09 N71-22988	US-PATENT-APPL-SN-516160	• • • • • • • • • •	c33 N71-16277
US-PATENT-APPL-SN-483891	*********	c14 N69-39982	US-PATENT-APPL-SN-516162	• • • • • • • • •	c07 N71-28900
US-PATENT-APPL-SN-484156		c11 N71-21475	US-PATENT-APPL-SN-516793	• • • • • • • • •	c16 N71-22895
US-PATENT-APPL-SN-484485	•••••	c01 N71-23497	US-PATENT-APPL-SN-516794	* • • • • • • • • •	c14 N70-42074
US-PATENT-APPL-SN-484489	•••••	c10 N71-15909	US-PATENT-APPL-SN-517100	• • • • • • • • • • • • • • • • • • • •	c28 N70-33241 c14 N71-23093
US-PATENT-APPL-SN-4844 90	• • • • • • • • • •	c24 N71-20518	US-PATENT-APPL-SN-517156 US-PATENT-APPL-SN-517157		c15 N71-22722
US-PATENT-APPL-SN-484855	• • • • • • • • • • • • • • • • • • • •	c09 N71-19480 c06 N71-23500	US-PATENT-APPL-SN-517158		c14 N71-23401
US-PATENT-APPL-SN-485058 US-PATENT-APPL-SN-485656	• • • • • • • • •	c28 N71-10574	US-PATENT-APPL-SN-517159	•••••	c15 N71-20740
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US-PATENT-APPL-SN-485958	••••••	c15 N71-24047	US-PATENT-APPL-SN-517869		c15 N71-23050
US-PATENT-APPL-SN-485960	•••••	c15 N70-42017	US-PATENT-APPL-SN-518487		c05 N71-11190
US-PATENT-APPL-SN-486573		c10 N71-19469	US-PATENT-APPL-SN-519160	• • • • • • • • •	c18 N71-20742
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US-PATENT-APPL-SN-487352		c14 N71-18699	US-PATENT-APPL-SN-521754		c07 N71-22984
US-PATENT-APPL-SN-487934	*********	c15 N71-21530	US-PATENT-APPL-SN-521755		c28 N71-28849
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US-PATENT-APPL-SN-487940		c10 N71-26434	US-PATENT-APPL-SN-521996	• • • • • • • • •	c15 N69-27871
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US-PATENT-APPL-SN-491054	•••••	c14 N71-23174 c09 N71-23443	US-PATENT-APPL-SN-522795		c20 N71-16281
US-PATENT-APPL-SN-491058 US-PATENT-APPL-SN-491059		c09 N71-23015	US-PATENT-APPL-SN-523511	*********	c28 N71-20942
US-PATENT-APPL-SN-491845		c28 N71-15659	US-PATENT-APPL-SN-524746	•••••	c14 N73-28491
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US-PATENT-APPL-SN-494280	• • • • • • • • •	c28 N71-23081	US-PATENT-APPL-SN-527331	• • • • • • • • • • • • • • • • • • • •	c17 N73-28573 c10 N69-39888
US-PATENT-APPL-SN-494282	• • • • • • • • • • • • • • • • • • • •	c15 N69-39735 c31 N71-24035	US-PATENT-APPL-SN-528031 US-PATENT-APPL-SN-529593	••••••	c27 N71-21819
US-PATENT-APPL-SN-494283 US-PATENT-APPL-SN-494287	• • • • • • • • • • • • • • • • • • • •	c03 N71-24033	US-PATENT-APPL-SN-529594		c15 N69-27483
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US-PATENT-APPL-SN-499122	•••••	c15 N71-24164	US-PATENT-APPL-SN-532006	• • • • • • • • • • • • • • • • • • • •	c23 N71-24857 c14 N73-30390
US-PATENT-APPL-SN-500435	•••••	c14 N71-21082 c10 N71-23029	US-PATENT-APPL-SN-533659 US-PATENT-APPL-SN-534295		c15 N71-21076
US-PATENT-APPL-SN-500446 US-PATENT-APPL-SN-502693	•••••	c15 N71-23029	US-PATENT-APPL-SN-534564		c10 N71-22961
US-PATENT-APPL-SR-502093		c08 N71-23295	US-PATENT-APPL-SN-534901		c14 N70-36807
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US-PATENT-APPL-SN-502710		c15 N71-23048	US-PATENT-APPL-SN-534975	• • • • • • • • • •	c14 N71-24232
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US-PATENT-APPL-SN-502739	• • • • • • • • •	c09 N71-23311	US-PATENT-APPL-SN-536210 US-PATENT-APPL-SN-536216		c17 N71-24830 c10 N71-23315
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US-PATENT-APPL-SN-502743 US-PATENT-APPL-SN-502746		c03 N69-39898	US-PATENT-APPL-SN-537615		c28 N71-22983
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US-PATENT-APPL-SN-505320	• • • • • • • • • • • • • • • • • • • •	c16 N71-18614	US-PATENT-APPL-SN-538907	•••••	c33 N71-28903 c33 N71-22890
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US-PATENT-APPL-SN-508169		c18 N71-27397	US-PATENT-APPL-SN-541399 US-PATENT-APPL-SN-542713	•••••	c14 N71-20428 c23 N71-23976
US-PATENT-APPL-SN-508170	•••••	c08 N71-22710 c15 N71-22878	US-PATENT-APPL-SN-542/13		c05 N71-23159
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US-PATENT-APPL-SN-510155	• • • • • • • • •	c06 N71-11235	US-PATENT-APPL-SN-545223	• • • • • • • • • •	c03 N71-11056
US-PATENT-APPL-SN-510474		c15 N71-23810	US-PATENT-APPL-SN-545224	• • • • • • • • • • • • • • • • • • • •	c15 N69-21362
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US-PATENT-APPL-SN-551182		c03 N71-23187	US-PATENT-APPL-SN-578926		c06 N69-39936
US-PATENT-APPL-SN-551694	*********	c31 N71-18611	US-PATENT-APPL-SN-578928	•••••	
US-PATENT-APPL-SN-551815				••••	c26 N71-21824
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US-PATENT-APPL-SN-557868		c14 N70-41682	US-PATENT-APPL-SN-588651		c31 N71-13842
US-PATENT-APPL-SN-557871	*********	c10 N71-21483		• • • • • • • • • • • • • • • • • • • •	
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	•••••	c33 N71-29046	US-PATENT-APPL-SN-590141	•••••	c03 N69-24267
US-PATENT-APPL-SN-559349	•••••	C33 N71-24145	US-PATENT-APPL-SN-590144	• • • • • • • • •	c15 N71-15606
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US-PATENT-APPL-SN-563648		c15 N71-17803	US-PATENT-APPL-SN-593594		c06 N71-11236
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US-PATENT-APPL-SN-567686		c15 N71-22994	US-PATENT-APPL-SN-594587	*********	c28 N71-21493
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US-PATENT-APPL-SN-568071	•••••			• • • • • • • • • •	c09 N71-20816
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US-PATENT-APPL-SN-568354		c14 N71-22752	US-PATENT-APPL-SN-598120		c08 N71-18602
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			US-PATENT-APPL-SN-605096	•••••	c15 N71-24834
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US-PATENT-APPL-SN-576182	•••••	c33 N71-24276	US-PATENT-APPL-SN-605102		c09 N69-39987
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US-PATENT-APPL-SN-576195				•••••	c15 N71-23023
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US-PATENT-APPL-SN-619908		c08 N71-20371 c09 N71-20446	US-PATENT-APPL-SN-655724	••••••	c15 N71-22706
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US-PATENT-APPL-SN-632165	•••••	c14 N71-26266	US-PATENT-APPL-SN-663180	• • • • • • • • • • • • • • • • • • • •	c10 N71-23663 c14 N71-23725
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US-PATENT-APPL-SN-635326		c14 N71-18482	US-PATENT-APPL-SN-665681 US-PATENT-APPL-SN-666551		c14 N71-23698
US-PATENT-APPL-SN-635327	••••••	c12 N69-39988 c09 N69-21467	US-PATENT-APPL-SN-666553	•••••	c03 N71-11055
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US-PATENT-APPL-SN-635972	•••••	c18 N71-23710	US-PATENT-APPL-SN-666555	•••••	c07 N71-24614 c31 N71-15674
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US-PATENT-APPL-SN-64142		c03 N71-23449	OP-ENTRICE DE OVIDES		

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US-PATENT-APPL-SN-697075	•••••	c15 N71-27184	US-PATENT-APPL-SN-725719	• • • • • • • • •	c15 N71-26243
US-PATENT-APPL-SN-697341	********	c09 N71-23188	US-PATENT-APPL-SN-726898		c12 N71-17579
US-PATENT-APPL-SN-698592		c15 ¥71-18580	US-PATENT-APPL-SN-727207	********	c30 N70-22183
US-PATENT-APPL-SN-698629		c09 N71-12516	US-PATENT-APPL-SN-727480	• • • • • • • • • • • • • • • • • • • •	c14 N71-17658
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US-PATENT-APPL-SN-700142	********	c21 N71-14159	US-PATENT-APPL-SN-730700	•••••	c07 N71-24583
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US-PATENT-APPL-SN-700541	•••••	c10 N71-25139	US-PATENT-APPL-SN-730702		c33 N71-16356
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US-PATENT-APPL-SN-700984	•••••		US-PATENT-APPL-SN-730703	•••••	c10 N71-13537
		c11 N71-19494	US-PATENT-APPL-SN-730733	•••••	c28 N71-16224
- ac-parkur-audi-cv-700086		c15 N69-23190	US-PATENT-APPL-SN-730734	• • • • • • • • •	c15 N71-17654
US-PATENT-APPL-SN-700985	• • • • • • • • • •		US-PATENT-APPL-SN-731388		
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US-PATENT-APPL-SN-700986 US-PATENT-APPL-SN-700987 US-PATENT-APPL-SN-701244 US-PATENT-APPL-SN-701635	•••••••	C12 N71-26387 C09 N71-19610 C05 N72-20096 C12 N71-17578	US-PATENT-APPL-SN-732455 US-PATENT-APPL-SN-732917 US-PATENT-APPL-SN-732921	•••••	c22 N71-28759 c14 N71-17575 c10 N71-26544
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US-PATENT-APPL-SN-700986 US-PATENT-APPL-SN-700987 US-PATENT-APPL-SN-701244 US-PATENT-APPL-SN-701635 US-PATENT-APPL-SN-701654		C12 N71-26387 C09 N71-19610 C05 N72-20096 C12 N71-17578 C03 N71-11049 C02 N71-19287	US-PATENT-APPL-SN-732455 US-PATENT-APPL-SN-732917 US-PATENT-APPL-SN-732921 US-PATENT-APPL-SN-732922 US-PATENT-APPL-SN-733039	•••••••	C22 N71-28759 C14 N71-17575 C10 N71-26544 C17 N71-28747 C07 N72-12081
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US-PATENT-APPL-SN-700986 US-PATENT-APPL-SN-700987 US-PATENT-APPL-SN-701244 US-PATENT-APPL-SN-701635 US-PATENT-APPL-SN-701654 US-PATENT-APPL-SN-701679 US-PATENT-APPL-SN-701732 US-PATENT-APPL-SN-701733		C12 N71-26387 C09 N71-19610 C05 N72-20096 C12 N71-17578 C03 N71-11049 C02 N71-19287 C07 N73-20174 C24 N71-16095 C10 N71-24844	US-PATENT-APPL-SN-732455 US-PATENT-APPL-SN-732917 US-PATENT-APPL-SN-732921 US-PATENT-APPL-SN-732922 US-PATENT-APPL-SN-733039 US-PATENT-APPL-SN-734805 US-PATENT-APPL-SN-735911 US-PATENT-APPL-SN-736848	•••••••	c22 N71-28759 c14 N71-17575 c10 N71-26544 c17 N71-28747 c07 N72-12081 c14 N70-41946 c23 N71-16212
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US-PATENT-APPL-SN-738314	•••••	c12 N71-17573	US-PATENT-APPL-SN-768671	•••••	c15 N69-21854
US-PATENT-APPL-SN-738315	•••••	c14 N71-27334	US-PATENT-APPL-SN-769592	• • • • • • • • • • • • • • • • • • • •	c15 N72-16330
US-PATENT-APPL-SN-738315	•••••	c14 N72-31446 c09 N72-17156	US-PATENT-APPL-SN-769665 US-PATENT-APPL-SN-769788		c15 N72-11387 c07 N71-11300
US-PATENT-APPL-SN-739391 US-PATENT-APPL-SN-739927		c32 N71-16103	US-PATENT-APPL-SN-769998		c25 N71-29181
US-PATENT-APPL-SN-741461		c12 N71-18603	US-PATENT-APPL-SN-770203	••••	c05 N71-11195 c08 N71-27057
US-PATENT-APPL-SN-741824	•••••	c07 N71-12389 c14 N71-17656	US-PATENT-APPL-SN-770209 US-PATENT-APPL-SN-770371		c15 N71-24599
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US-PATENT-APPL-SN-744910	••••••	c15 N71-17649 c28 N72-20758	US-PATENT-APPL-SN-770417 US-PATENT-APPL-SN-770425		c06 N72-20121
US-PATENT-APPL-SN-745337 US-PATENT-APPL-SN-745852		c12 N71-17661	US-PATENT-APPL-SN-771216		c14 N72-17329
US-PATENT-APPL-SN-749121	•••••	c07 N72-11149	OS-PATENT-APPL-SN-771523	•••••	c10 N71-18772 c09 N72-12136
US-PATENT-APPL-SN-749148 US-PATENT-APPL-SN-749149	••••••	c10 N71-19421 c15 N71-24897	US-PATENT-APPL-SN-771530 US-PATENT-APPL-SN-771759		c09 N71-29008
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US-PATENT-APPL-SN-749320	• • • • • • • • •	c14 N72-22443	US-PATENT-APPL-SN-771803 US-PATENT-APPL-SN-771937	•••••	c07 N71-12391 c10 N71-24862
US-PATENT-APPL-SN-749548 US-PATENT-APPL-SN-750031		c10 N71-33129 c05 N73-32012	US-PATENT-APPL-SN-772006		c17 N71-33408
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US-PATENT-APPL-SN-750787	********	c10 N71-27126 c18 N71-29040	US-PATENT-APPL-SN-773072 US-PATENT-APPL-SN-774151		c10 N72-28241 c15 N71-17692
US-PATENT-APPL-SN-751061 US-PATENT-APPL-SN-751198		c03 N71-24718	US-PATENT-APPL-SN-774265		c10 N71-27365
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US-PATENT-APPL-SN-751266	•••••	c15 N71-33518 c09 N71-26787	US-PATENT-APPL-SN-774691 US-PATENT-APPL-SN-774733	••••••	c10 N72-31273 c14 N72-24477
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US-PATENT-APPL-SN-752947	••••	c31 N71-15689	US-PATENT-APPL-SN-775870	•••••	c09 N71-24800 c09 N72-22196
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US-PATENT-APPL-SN-756260 US-PATENT-APPL-SN-756266		c23 N71-26722 c15 N71-26145	US-PATENT-APPL-SN-777764 US-PATENT-APPL-SN-777765		c15 N71-29018
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US-PATENT-APPL-SN-756511	•••••	c09 N71-27016	US-PATENT-APPL-SN-777766 US-PATENT-APPL-SN-777818	• • • • • • • • • • • • • • • • • • • •	c31 N71-16221 c09 N71-27364
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US-PATENT-APPL-SN-757861	********	c05 N71-11194 c09 N71-24805	US-PATENT-APPL-SN-779160 US-PATENT-APPL-SN-779169		c14 N72-16282 c09 N71-28618
US-PATENT-APPL-SN-757875 US-PATENT-APPL-SN-758082		c15 N71-17805	US-PATENT-APPL-SN-779847		c15 N71-27091
US-PATENT-APPL-SN-758390	•••••	c28 N71-26642	US-PATENT-APPL-SN-780064	• • • • • • • • • • • • • • • • • • • •	c15 N71-27372
US-PATENT-APPL-SN-758540	•••••	c28 N73-27699 c27 N71-14090	US-PATENT-APPL-SN-780065 US-PATENT-APPL-SN-782544		c12 N71-28741 c14 N71-27325
US-PATENT-APPL-SN-758942 US-PATENT-APPL-SN-759256		c07 N71-27233	US-PATENT-APPL-SN-782955		c07 N71-33108
US-PATENT-APPL-SN-759457		c33 N71-16357	US-PATENT-APPL-SN-782956	•••••	c10 N71-25865 c15 N71-27147
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US-PATENT-APPL-SN-761007	•••••	c18 N71-26155 c09 N71-12526	US-PATENT-APPL-SN-784544 US-PATENT-APPL-SN-785078		c15 N72-12408 c03 N72-27053
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US-PATENT-APPL-SN-762936	•••••	c31 N69-27499 c14 N71-26627	US-PATENT-APPL-SN-785611 US-PATENT-APPL-SN-785613		c15 N71-24600 c05 N72-25119
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US-PATENT-APPL-SN-763355 US-PATENT-APPL-SN-763684		c06 N71-28620 c15 N72-16329	US-PATENT-APPL-SN-785780		c18 N71-28729
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US-PATENT-APPL-SN-763868 US-PATENT-APPL-SN-763869	•••••	c17 N71-16393	US-PATENT-APPL-SN-789045	••••••	c15 N72-22489
US-PATENT-APPL-SN-764236	• • • • • • • • • • •	c16 N70-41525	US-PATENT-APPL-SN-789278	• • • • • • • • • • • • • • • • • • • •	c15 N71-24694
US-PATENT-APPL-SN-764252 US-PATENT-APPL-SN-764470		c14 N71-25901 c16 N71-28554	US-PATENT-APPL-SN-789903 US-PATENT-APPL-SN-790420		c07 N71-28429 c09 N71-24595
US-PATENT-APPL-SN-764470 US-PATENT-APPL-SN-764812		c10 N71-19468	US-PATENT-APPL-SN-791267		c23 N72-17747
US-PATENT-APPL-SN-765123	•••••	c31 N71-15687	US-PATENT-APPL-SN-791268	•••••	c33 N72-17947 c28 N71-25213
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US-PATENT-APPL-SN-768662		c07 N73-25160	US-PATENT-APPL-SN-79453C	• • • • • • • • • • • • • • • • • • • •	c15 N72-11386

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US-PATENT-APPL-SN-794531	• • • • • • • • •	c06 N71-28635	US-PATENT-APPL-SN-825258		c26 N72-21701
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US-PATENT-APPL-SN-795182	• • • • • • • • •	c07 N71-24840	US-PATENT-APPL-SN-827579		c15 N71-24984
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US-PATENT-APPL-SN-797056	••••••	c15 N71-25975		• • • • • • • • • • • • • • • • • • • •	c03 N71-24681
US-PATENT-APPL-SN-797057		c15 N70-22192	US-PATENT-APPL-SN-830366	•••••	c16 N72-13437
US-PATENT-APPL-SN-797058	• • • • • • • • • • • • • • • • • • • •		US-PATENT-APPL-SN-830715	•••••	c15 N71-24903
US-PATENT-APPL-SN-797059	•••••	c05 N71-24738	US-PATENT-APPL-SN-830978	•••••	c28 N71-26173
US-PATENT-APPL-SN-797219	•••••	c15 N71-28465	US-PATENT-APPL-SN-831118	• • • • • • • • • •	c08 N72-11172
	• • • • • • • • •	c03 N71-33409	US-PATENT-APPL-SN-832603	•••••	c09 N72-22199
US-PATENT-APPL-SN-797794	•••••	c07 N71-12396	US-PATENT-APPL-SN-833049	• • • • • • • • •	c06 N72-21094
US-PATENT-APPL-SN-797795	• • • • • • • • • •	c07 N71-27191	US-PATENT-APPL-SN-835058	•••••	c21 N72-22619
US-PATENT-APPL-SN-797796	********	c28 N71-14058	US-PATENT-APPL-SN-835059	• • • • • • • • •	c09 N71-26133
US-PATENT-APPL-SN-798277	• • • • • • • • •	c23 N71-26654	US-PATENT-APPL-SN-835060		c02 N71-26110
US-PATENT-APPL-SN-799013	• • • • • • • • •	c09 N71-28468	US-PATENT-APPL-SN-835146	•••••	c15 N7G-33264
US-PATENT-APPL-SN-799353	********	c09 N71-27232	US-PATENT-APPL-SN-835152	••••••	c28 N70-38199
US-PATENT-APPL-SN-800204		c06 N72-17094	US-PATENT-APPL-SN-835153	••••••	c31 N71-17680
US-PATENT-APPL-SN-800973	********	c16 N71-24832	US-PATENT-APPL-SN-836280	• • • • • • • • • • • • • • • • • • • •	c14 N73-14428
US-PATENT-APPL-SN-801312		c16 N71-15565	US-PATENT-APPL-SN-836280		c10 N73-20259
US-PATENT-APPL-SN-801336	********	c02 N71-13422	US-PATENT-APPL-SN-836367	• • • • • • • • • • • • • • • • • • • •	
US-PATENT-APPL-SN-801660	* * * * * * * * * * * * * * * * * * * *	c14 N71-26672	US-PATENT-APPL-SN-837377	•••••	c09 N71-24804
US-PATENT-APPL-SN-802812		c10 N72-22235		• • • • • • • • • • • • • • • • • • • •	c15 N71-26148
US-PATENT-APPL-SN-802812			US-PATENT-APPL-SN-837378	•••••	c15 N71-24865
US-PATENT-APPL-SN-802816	•••••	c15 N72-22487	US-PATENT-APPL-SN-837825	• • • • • • • • • • • • • • • • • • • •	c15 N71-27006
US-PATENT-APPL-SN-802818	•••••	c31 N71-16346	US-PATENT-APPL-SN-837830	• • • • • • • • • • • • • • • • • • • •	c02 N71-27088
	••••	c07 N71-29065	US-PATENT-APPL-SN-838278	•••••	c08 N70-11132
US-PATENT-APPL-SN-802820	• • • • • • • • • • • • • • • • • • • •	c10 N71-13545	US-PATENT-APPL-SN-838630	• • • • • • • • • •	c14 N71-28993
US-PATENT-APPL-SN-802948	• • • • • • • • • • •	c31 N71-33160	US-PATENT-APPL-SN-839934	• • • • • • • • • •	c07 N72-20140
US-PATENT-APPL-SN-802972	• • • • • • • • •	c09 N71-26678	US-PATENT-APPL-SN-839935	• • • • • • • • • •	c15 N71-24895
US-PATENT-APPL-SN-804172	• • • • • • • • •	c28 N71-26781	US-PATENT-APPL-SN-839941	*******	c07 N71-26181
US-PATENT-APPL-SN-805298	•••••	c10 N71-25899	US-PATENT-APPL-SN-839994		c28 N71-28915
US-PATENT-APPL-SN-805405	•••••	c14 N71-27323	US-PATENT-APPL-SN-840176	********	c28 N71-27095
US-PATENT-APPL-SN-805406		c07 N71-24613	US-PATENT-APPL-SN-840308	*********	c07 N71-33613
US-PATENT-APPL-SN-806149		c27 N71-16223	US-PATENT-APPL-SN-840359	• • • • • • • • • • • • • • • • • • • •	c23 N71-29125
US-PATENT-APPL-SN-806226		c14 N71-27407	US-PATENT-APPL-SN-840870		c15 N71-26189
US-PATENT-APPL-SN-808192		c15 N71-27432	US-PATENT-APPL-SN-840983	• • • • • • • • • • • • • • • • • • • •	c05 N70-33285
US-PATENT-APPL-SN-808193	*********	c31 N71-26537	US-PATENT-APPL-SN-841845	• • • • • • • • • • • • • • • • • • • •	
US-PATENT-APPL-SN-808462		c10 N71-27136		• • • • • • • • • • • • • • • • • • • •	c14 N73-32317
US-PATENT-APPL-SN-808576		c15 N71-27754	US-PATENT-APPL-SN-842170	• • • • • • • • • •	c11 N70-33278
US-PATENT-APPL-SN-808577	•••••	c32 N71-25360	US-PATENT-APPL-SN-842171	• • • • • • • • • •	c11 N70-33329
US-PATENT-APPL-SN-808822	•••••		US-PATENT-APPL-SN-843022	• • • • • • • • • •	c11 N70-33287
	• • • • • • • • • •	c14 N73-16483	US-PATENT-APPL-SN-843032	• • • • • • • • •	c28 N70-41818
US-PATENT-APPL-SN-809822	•••••	c28 N71-27585	US-PATENT-APPL-SN-843251	• • • • • • • • •	c03 N72-11062
US-PATENT-APPL-SN-810575	• • • • • • • • •	c15 N71-27169	US-PATENT-APPL-SN-844225		c05 N72-25120
US-PATENT-APPL-SN-810576	• • • • • • • • •	c15 N73-12492	US-PATENT-APPL-SN-844355	• • • • • • • • • •	c03 N72-26031
US-PATENT-APPL-SN-810579	• • • • • • • • •	c09 N72-22203	US-PATENT-APPL-SN-845365		c09 N71-13518
US-PATENT-APPL-SN-810815	********	c06 N72-22107	US-PATENT-APPL-SN-845584		c27 N73-22710
US-PATENT-APPL-SN-811037		c14 N71-26137	US-PATENT-APPL-SN-845807	********	c15 N72-11391
US-PATENT-APPL-SN-811038		c14 N72-20380	US-PATENT-APPL-SN-845971	*********	c11 N71-28629
US-PATENT-APPL-SN-811509		c02 N70-33332	US-PATENT-APPL-SN-845972		c09 N70-11148
US-PATENT-APPL-SN-811542		c21 N71-24948	US-PATENT-APPL-SN-845973	••••••	c11 N71-24985
US-PATENT-APPL-SN-811892		c14 N71-27090	US-PATENT-APPL-SN-845974	•••••	c33 N71-25353
US-PATENT-APPL-SN-812998	********	c28 N72-22769	US-PATENT-APPL-SN-845975		
US-PATENT-APPL-SN-812999	••••••	c05 N71-12345	US-PATENT-APPL-SN-845976	•••••	c06 N70-11167
US-PATENT-APPL-SN-813338	*********	c18 N72-22566	US-PATENT-APPL-SN-845990	••••••	c14 N70-11245
US-PATENT-APPL-SN-813488		c15 N71-28467	US-PATENT-APPL-SN-845990	• • • • • • • • • • • • • • • • • • • •	c14 N71-27005
US-PATENT-APPL-SN-813494		c08 N72-11171		• • • • • • • • • • • • • • • • • • • •	c14 N71-29134
US-PATENT-APPL-SN-814212	••••••	c14 N72-17171	US-PATENT-APPL-SN-847023	• • • • • • • • •	c31 N70-37938
US-PATENT-APPL-SN-815366		c14 N71-28994	US-PATENT-APPL-SN-847027	• • • • • • • • •	c03 N70-33343
US-PATENT-APPL-SN-815367	•••••	c14 N71-28994 c14 N71-28863	US-PATENT-APPL-SN-847596	• • • • • • • • • •	c15 N70-10867
US-PATENT-APPL-SN-81576C	• • • • • • • • • • • • • • • • • • • •		US-PATENT-APPL-SN-848282	• • • • • • • • • •	c15 N72-21462
US-PATENT-APPL-SN-81576C	•••••	c15 N71-27068	US-PATENT-APPL-SN-848325	• • • • • • • • • • • • • • • • • • • •	c06 N70-11251
	•••••	c15 N71-27084	US-PATENT-APPL-SN-848351	• • • • • • • • • •	c06 N70-11252
US-PATENT-APPL-SN-816988	•••••	c14 N71-26199	US-PATENT-APPL-SN-848481	• • • • • • • • •	c17 N70-33283
US-PATENT-APPL-SN-817481	• • • • • • • • • •	c09 N72-11225	US-PATENT-APPL-SN-848776	• • • • • • • • • •	c07 N72-22127
US-PATENT-APPL-SN-817482	• • • • • • • • • • • • • • • • • • • •	c10 N71-27338	US-PATENT-APPL-SN-848805	• • • • • • • • • • • • • • • • • • • •	c06 N72-17095
US-PATENT-APPL-SN-817569	• • • • • • • • • •	c06 N69-31244	US-PATENT-APPL-SN-848810	• • • • • • • • • •	c07 N72-11148
US-PATENT-APPL-SN-818349	• • • • • • • • • •	c21 N71-19212	US-PATENT-APPL-SN-848811	•••••	c10 N71-26142
US-PATENT-APPL-SN-819599	• • • • • • • • •	c15 N71-19214	US-PATENT-APPL-SN-849106	•••••	c09 N72-22197
US-PATENT-APPL-SN-819898	• • • • • • • • • • • • • • • • • • • •	c30 N72-17873	US-PATENT-APPL-SN-850586	*********	c31 N71-25434
US-PATENT-APPL-SN-820453	• • • • • • • • • •	c03 N72-24037	US-PATENT-APPL-SN-850587	••••••	c08 N72-21199
US-PATENT-APPL-SN-820963		c07 N71-19854	US-PATENT-APPL-SN-851298	•••••	c15 N72-12409
US-PATENT-APPL-SN-820964	•••••	c15 N71-28740	US-PATENT-APPL-SN-851394	*********	c09 N71-24892
US-PATENT-APPL-SN-820965	********	c09 N71-13486	US-PATENT-APPL-SN-852131		c15 N71-24836
US-PATENT-APPL-SN-821586	********	c26 N71-14354	US-PATENT-APPL-SN-852843		c09 N72-22195
US-PATENT-APPL-SN-822039	••••••	c06 N72-25149	US-PATENT-APPL-SN-853641		
US-PATENT-APPL-SN-822088		c15 N71-27135	US-PATENT-APPL-SN-853716	•••••	c33 N72-25913
US-PATENT-APPL-SN-822089		c23 N72-23695		••••••	c09 N71-24904
US-PATENT-APPL-SN-822090	•••••••	c16 N71-27183	US-PATENT-APPL-SN-853724	• • • • • • • • • •	c14 N70-12626
US-PATENT-APPL-SN-822310		c27 N69-33347	US-PATENT-APPL-SN-853746	•••••	c02 N72-11018
US-PATENT-APPL-SN-822510	•••••		US-PATENT-APPL-SN-853763	•••••	c07 N70-12616
• • • • • • • • • • • • • • • • • • • •	•••••	c09 N71-13522	US-PATENT-APPL-SN-853763	•••••	c07 N72-33146
US-PATENT-APPL-SN-822519	• • • • • • • • • • • • • • • • • • • •	c14 N71-28992	US-PATENT-APPL-SN-853855	•••••	c17 N72-22530
US-PATENT-APPL-SN-822534	•••••	c09 N72-11224	US-PATENT-APPL-SN-853855	******	c17 N72-28535
US-PATENT-APPL-SN-824042		c23 N71-29123	US-PATENT-APPL-SN-853856	• • • • • • • • •	c16 N71-29131
	• • • • • • • • • •				CIO MI 23131
US-PATENT-APPL-SN-824755	•••••	c09 N70-33182	US-PATENT-APPL-SN-853983	••••••	c14 N70-33254
US-PATENT-APPL-SN-824/55 US-PATENT-APPL-SN-825253					

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US-PATENT-APPL-SN-854815	•••••	c09 N71-24807 c24 N72-11595	US-PATENT-APPL-SN-881968
US-PATENT-APPL-SN-855004	•••••	c06 N70-12627	US-PATENT-APPL-SN-882122 C14 N/2-22438
US-PATENT-APPL-SN-856253 US-PATENT-APPL-SN-856257	• • • • • • • • •	c09 N70-12620	US-PATENT-APPL-SN-882577 CO/ N/1-2/056
US-PATENT-APPL-SN-856258		c05 N71-17599	USSPAILMI-APPL SA COSSES CITATION
US-PATENT-APPL-SN-856279	• • • • • • • • •	c07 N72-21118	US-PATENT-APPL-SN-885521 c03 N72-28025
HS-PATENT-APPL-SN-856282	• • • • • • • • •	c08 N72-22166 c05 N72-16015	US-PATENT-APPL-SN-885571 CO9 N/1-2000
US-PATENT-APPL-SN-856327	• • • • • • • •	c14 N72-22441	US-PATENT-APPL-SN-885594 C15 N/1-29133
US-PATENT-APPL-SN-856328 US-PATENT-APPL-SN-856415		c09 N71-26182	US-PATENT-APPL-SN-887685 C10 N72-20223
US-PATENT-APPL-SN-856511		c05 N70-20717	
HS-PATENT-APPL-SN-857445	••••	c05 N71-24728	US-DATENT-APPL-SN-887700 c07 N71-28980
US-PATENT-APPL-SN-857967	• • • • • • • • • •	c15 N72-20443 c11 N72-22247	US-PATENT-APPL-SN-887701 C08 N71-29034
HS-PATENT-APPL-SN-858695	•••••••	c09 N72-20199	US-PATENT-APPL-SN-889374 COS N72-25207
US-PATENT-APPL-SN-860492 US-PATENT-APPL-SN-860493	•••••••	c14 N72-16283	US-PATENT-APPL-SN-889375 C10 N/2-20222
US-PATENT-APPL-SN-860599	••••••	c09 N70-35574	US-PATENT-APPL-SN-889376
US-PATENT-APPL-SN-860635	• • • • • • • • •	c28 N72-17843	US-PATENT-APPL-SN-889387 C09 N71-29035
IS-PATENT-APPL-SN-860750	• • • • • • • • •	c08 N72-22165 c08 N72-18184	пс-ратент-арріSN-889420 Січ в/2-23413
US-PATENT-APPL-SN-860751	• • • • • • • • •	c18 N72-18164	US-PATENT-APPL-SN-889421 C14 N/0-3583
US-PATENT-APPL-SN-860781		c15 N70-35640	US-PATENT-APPL-SN-889422 C09 N/2-25259
US-PATENT-APPL-SN-860787 US-PATENT-APPL-SN-861152		c14 N70-33322	US-PATENT-APPL-SN-889423 CIU N72-22230
US-PATENT-APPL-SN-861649	•••••	c14 N72-17327	US-PATENT-APPL-SN-889437 C15 N/2-11392 US-PATENT-APPL-SN-889438 C15 N72-18477
US-PATENT-APPL-SN-862921		c31 N71-29050	US-PATENT-APPL-SN-889478 c08 N71-29138
US-PATENT-APPL-SN-863276	••••	c16 N72-12440 c24 N72-33681	пс_рафрит_appt_sn=889479 C14 N/2-1/325
US-PATENT-APPL-SN-863280		c03 N70-35700	US-PATENT-APPL-SN-889551 CZ1 N7Z-Z10Z4
US-PATENT-APPL-SN-863788 US-PATENT-APPL-SN-863913		c14 N71-28991	US-PATENT-APPL-SN-889552 C15 N/U-34641
US-PATENT-APPL-SN-863914		c09 N72-31235	US-PATENT-AFTH Sh COSSOS TOTAL
US-PATENT-APPL-SN-863963		c10 N71-26085	US-PATENT-APPL-SN-889555 c09 N72-17154
US-PATENT-APPL-SN-863967	•••••	c11 N71-27036 c15 N72-17454	ns_patent_appl_sn=889556 C14 N/2=10411
US-PATENT-APPL-SN-864020	••••••	c15 N72-17454 c15 N72-22483	US-PATENT-APPL-SN-889557 C11 N/2-1/183
US-PATENT-APPL-SN-864039 US-PATENT-APPL-SN-864097	•••••	c07 N71-33606	US-PATENT-APPL-SN-889558 C15 N/2-22491
US-PATENT-APPL-SN-864103		c15 N70-22292	
US-PATENT-APPL-SN-864710		c03 N70-26817	US-PATENT-APPL-SN-889584
US-PATENT-APPL-SN-865106		c09 N72-22202 c14 N71-28933	U2-PAIRMI ALIE DA GOSGOT CONTRACTOR
US-PATENT-APPL-SN-865109		c14 N/1-28933 c09 N72-17155	US-PATENT-CLASS-1 c14 N71-27005
US-PATENT-APPL-SN-865274		c15 N72-11388	US-PATENT-CLASS-2-2.1 COS N71-1134
US-PATENT-APPL-SN-865298 US-PATENT-APPL-SN-865329		c15 N71-29132	US-PATENT-CLASS-2-2-1
US-PATENT-APPL-SN-865811		c09 N71-27053	US-PATENT-CLASS-2-2.1
HS-PATENT-APPL-SN-865909	•••••	c14 N72-11364	US-PATENT-CLASS-2-2-1
US-PATENT-APPL-SN-866442		c25 N72-24753 c11 N72-22246	US-PATENT-CLASS-2-2-1 CU5 N/1-24023
US-PATENT-APPL-SN-867841		c23 N72-27728	US-PATENT-CLASS-2-2.1 c05 N/1-24/30
US-PATENT-APPL-SN-867842 US-PATENT-APPL-SN-867843	3	c14 N71-26161	US-PATENT-CLASS-2 201
IIS-PATENT-APPL-SN-867851	1	c15 N72-22484	US-PATENT-CLASS-2-2-1
US-PATENT-APPL-SN-868445	••••••	c14 N72-17323	US-PATENT-CLASS-2-2-1
US-PATENT-APPL-SN-868529		c08 N72-22167 c05 N72-11084	HS-PATENT-CLASS-2-2.1A C05 N/2-22092
US-PATENT-APPL-SN-868530	5	c09 N72-25261	US-PATENT-CLASS-2-2.1A CUS N/3-25125
US-PATENT-APPL-SN-868775 US-PATENT-APPL-SN-868775	5	c09 N73-27150	US-PATENT-CLASS-2-2.1A
US-PATENT-APPL-SN-869260		c05 N72-20097	US-PATENT-CLASS-2-0
US-PATENT-APPL-SN-869260	0	c05 N73-25125	US-PATENT-CLASS-2-14 c18 N71-26285
US-PATENT-APPL-SN-870689	9	c06 N72-25148 c14 N70-20711	ns=parenr=Class=2=81
US-PATENT-APPL-SN-871977	7	c09 N72-22200	US-PATENT-CLASS-2-115
US-PATENT-APPL-SN-872602	4	c08 N70-34675	US-PATENT-CLASS-2-275 C18 N/1-20203
US-PATENT-APPL-SN-872664 US-PATENT-APPL-SN-873045	5	c14 N72-20379	US-PAILBI-CLASS S 101
US-PATENT-APPL-SN-87325	9	c08 N72-21200	US-PATENT-CLASS-3-6
IIS-PATENT-APPL-SN-87326	0	c33 N72-17948 c14 N72-21407	US-PATENT-CLASS-3-12
US-PATENT-APPL-SN-87379	3	c15 N70-22275	US-PATENT-CLASS-4-99
US-PATENT-APPL-SN-87386	2	c11 N72-25284	US-PATENT-CLASS-4-110 CO5 N/2-22093
US-PATENT-APPL-SN-87417 US-PATENT-APPL-SN-87443	5	c11 N71-33612	US-PATENT-CLASS-S-OS
US-PATENT-APPL-SN-87473	2	c09 N71-29139	US-PATENT-CLASS-5-345 conserved co5 N70-33285
US-PATENT-APPL-SN-87473	3	c15 N71-26635	US-PATENT-CIASS-8-94-12 C18 N71-15545
US-PATENT-APPL-SN-87495	8	c31 N71-15566 c07 N71-33696	US-PATENT-CLASS-9-2A
US-PATENT-APPL-SN-87584	9	c15 N72-25452	US-PATENT-CLASS-9-3
US-PATENT-APPL-SN-87658 US-PATENT-APPL-SN-87771	18	c14 N72-27410	US-PATENT-CLASS-9-8 CU3 N/U-36//0
US-PATENT-APPL-SN-87771	7	c14 N73-13417	US-PAIDMI-CHASS-)) THE TOTAL OF WAS THOUSE
US-PATENT-APPL-SN-87799	90	c14 N72-28437	US-PATENT-CLASS-9-11
US-PATENT-APPL-SN-87873	30	-46 374-76467	US-PATENT-CLASS-9-312
US-PATENT-APPL-SN-87873	31		IIS-PATENT-CLASS-9-316
US-PATENT-APPL-SN-88024 US-PATENT-APPL-SN-88024	16 17	-00 1170-20727	US-PATENT-CLASS-13-20 C11 N/2-23215
US-PATENT-APPL-SN-88024	18	c07 N72-11150	US-PATENT-CLASS-13-26
US-PATENT-APPL-SN-88024	19	c15 N72-22482	US-PATENT-CLASS-13-31 control of N72-23215
US-PATENT-APPL-SN-88025	50		US-PATENT-CLASS-13-35
US-PATENT-APPL-SN-88027	71		US-PATENT-CLASS-15-143 c15 N7 2-11390
ns-patent-appl-sn-88027	72	46 972 42007	US-PATENT-CLASS-15-210 c15 N72-11390
US-PATENT-APPL-SN-88039 US-PATENT-APPL-SN-88083	98 31	44 470 20200	US-PATENT-CLASS-15-415 C14 N/3-30393
US-PATENT-APPL-SN-8808	85	c07 N72-12080	US-PATENT-CLASS-10-0 section of the contract o
US-PATENT-APPL-SN-88103	39	. c09 N71-24842	US-PATENT-CLASS-18-26
US-PATENT-APPL-SN-88104	40	. c15 N70-22246	03-181101 0220- 11 -1

	1		-4E N73-33303
US-PATENT-CLASS-21-207	c17 N71-16393	US-PATENT-CLASS-29-498	c15 N73-33383 c09 N72-25261
US-PATENT-CLASS-22-200	c15 N71-15966	US-PATENT-CLASS-29-502	
US-PATENT-CLASS-22-203	c17 N70-38198	US-PATENT-CLASS-29-517	c15 N71-17650 c15 N72-20444
US-PATENT-CLASS-23-55	c06 N72-17093	US-PATENT-CLASS-29-527.2	c15 N72-20444 c15 N73-32360
US-PATENT-CLASS-23-88	c06 N72-17093	US-PATENT-CLASS-29-527.2	
US-PATENT-CLASS-23-97	c06 N72-17093	US-PATENT-CLASS-29-570	c26 N72-28761
US-PATENT-CLASS-23-109	c04 N72-33072	US-PATENT-CLASS-29-572	c09 N71-23027
US-PATENT-CLASS-23-201	cC6 N72-17095	US-PATENT-CLASS-29-572	c03 N71-24681
US-PATENT-CLASS-23-208	c15 N69-21922	US-PATENT-CLASS-29-572	c03 N72-22041
US-PATENT-CLASS-23-208	c26 N70-36805	US-PATENT-CLASS-29-573	c14 N73-13417
	c15 N72-20446	US-PATENT-CLASS-29-578	c26 N72-17820
	c06 N71-23527	US-PATENT-CLASS-29-580	c09 N73-27150
US-PATENT-CLASS-23-230	c06 N72-17095	US-PATENT-CLASS-29-588	c14 N71-27334
US-PATENT-CLASS-23-230	C06 N72-17094	US-PATENT-CLASS-29-588	c14 N72-31446
US-PATENT-CLASS-23-230E	c17 N73-12547	US-PATENT-CLASS-29-589	c26 N72-17820
US-PATENT-CLASS-23-230R	c17 N73-12547	US-PATENT-CLASS-29-589	c09 N72-25261
US-PATENT-CLASS-23-230R	c06 N72-17094	US-PATENT-CLASS-29-589	c15 N73-14469
US-PATENT-CLASS-23-232C		US-PATENT-CLASS-29-590	c09 N72-22199
US-PATENT-CLASS-23-232E	c06 N73-16106	US-PATENT-CLASS-29-591	c15 N73-14469
US-PATENT-CLASS-23-232R	c06 N73-16106	US-PATENT-CLASS-29-599	c15 N72-25447
US-PATENT-CLASS-23-253	c23 N71-16355	US-PATENT-CLASS-29-599	c26 N73-26752
US-PATENT-CLASS-23-253	c06 N71-26754	US-PATENT-CLASS-29-599	c26 N73-32571
US-PATENT-CLASS-23-253	c06 N72-17095		c08 N71-27210
US-PATENT-CLASS-23-253PC	c06 N72-17094		c15 N72-20444
US-PATENT-CLASS-23-253R	c15 N72-21465	US-PATENT-CLASS-29-624	c14 N73-13417
US-PATENT-CLASS-23-254	c14 N71-20442	US-PATENT-CLASS-29-624	c15 N72-22491
US-PATENT-CLASS-23-254E	c06 N73-16106	US-PATENT-CLASS-29-628	c09 N72-25261
US-PATENT-CLASS-23-254R	c06 N73-16106	US-PATENT-CLASS-29-628	CO9 N73-28083
US-PATENT-CLASS-23-259	c15 N71-27372	US-PATENT-CLASS-29-628	C09 N73-28083
US-PATENT-CLASS-23-259	c15 N72-21465	US-PATENT-CLASS-29-629	CO9 N73-28083
US-PATENT-CLASS-23-277	c26 N70-40015	US-PATENT-CLASS-29-630	c05 N72-25121
US-PATENT-CLASS-23-281	c28 N72-18766	US-PATENT-CLASS-29-630A	C05 N72-25121
US-PATENT-CLASS-23-288	c28 N72-18766	US-PATENT-CLASS-29-630A	c15 N70-42017
US-PATENT-CLASS-24-126	c15 N71-22994	US-PATENT-CLASS-30-228	
US-PATENT-CLASS-24-134R	c15 N73-25512	US-PATENT-CLASS-32-28	c05 N73-27062 c05 N73-27062
US-PATENT-CLASS-24-205.17	c15 N71-25975	US-PATENT-CLASS-32-58	
US-PATENT-CLASS-24-211	c15 N71-17653	US-PATENT-CLASS-33-1	c14 N70-36907 c14 N72-28436
US-PATENT-CLASS-24-211N	c15 N72-11385	US-PATENT-CLASS-33-1SA	c08 N72-11172
US-PATENT-CLASS-24-263	c15 N71-21076	US-PATENT-CLASS-33-15A	c14 N71-21079
US-PATENT-CLASS-24-263	c15 N71-26162	US-PATENT-CLASS-33-31	c15 N72-11386
US-PATENT-CLASS-25-156	c15 N71-16076	US-PATENT-CLASS-33-72	C14 N72-28436
US-PATENT-CLASS-27-498	c15 N73-28515	US-PATENT-CLASS-33-75R	c14 N72-20430
US-PATENT-CLASS-29-25.14	c05 N72-25121	US-PATENT-CLASS-33-125	c15 N71-19489
US-PATENT-CLASS-29-25.18	c09 N71-26678	US-PATENT-CLASS-33-147	c14 N71-17657
US-PATENT-CLASS-29-25.18	c05 N72-25121	US-PATENT-CLASS-33-149	c14 N69-21363
US-PATENT-CLASS-29-25.42	c26 N72-28762	US-PATENT-CLASS-33-174	c14 N71-17658
US-PATENT-CLASS-29-148.4	c15 N71-16052	US-PATENT-CLASS-33-174	c14 N71-24693
US-PATENT-CLASS-29-148.4	c15 N71-17688	US-PATENT-CLASS-33-174S	c14 N72-22445
US-PATENT-CLASS-29-155.55	c15 N71-15986 c28 N71-15658	US-PATENT-CLASS-33-189	c15 N71-26145
US-PATENT-CLASS-29-157	c28 N71-15658 c28 N7C-41818	US-PATENT-CLASS-33-204C	c08 N72-11172
US-PATENT-CLASS-29-157.3	c18 N71-23710	US-PATENT-CLASS-33-207	c15 N71-15571
US-PATENT-CLASS-29-182.1	c17 N71-23046	US-PATENT-CLASS-34-155	c14 N73-28489
US-PATENT-CLASS-29-182.2	c17 N72-28536	US-PATENT-CLASS-34-160	c14 N73-28489
US-PATENT-CLASS-29-182.5	c17 N70-38490	US-PATENT-CLASS-34-162	c14 N73-28489
US-PATENT-CLASS-29-183.5	c14 N73-32320	US-PATENT-CLASS-35-8	c05 N72-16015
US-PATENT-CLASS-29-195Y	c17 N73-32414	US-PATENT-CLASS-35-10.2	c14 N71-15621
US-PATENT-CLASS-29-196.2	c17 N73-32414	US-PATENT-CLASS-35-12	c11 N70-34815
US-PATENT-CLASS-29-196.6	c17 N73-32414	US-PATENT-CLASS-35-12	c31 N70-34966
US-PATENT-CLASS-29-197	c17 N70-33288	US-PATENT-CLASS-35-12	c11 N71-10746
US-PATENT-CLASS-29-198	c09 N72-25259	US-PATENT-CLASS-35-12	c11 N71-10748
US-PATENT-CLASS-29-198		US-PATENT-CLASS-35-12	c11 N71-10776
US-PATENT-CLASS-29-203V		US-PATENT-CLASS-35-12	c11 N71-18773
US-PATENT-CLASS-29-234	c15 N70-36901 c15 N70-41371	US-PATENT-CLASS-35-12	c11 N71-19494
US-PATENT-CLASS-29-271		US-PATENT-CLASS-35-12	c11 N71-21474
US-PATENT-CLASS-29-278R	c15 N71-29133 c05 N71-12345	US-PATENT-CLASS-35-12C	c14 N73-27377
US-PATENT-CLASS-29-400		US-PATENT-CLASS-35-17	c05 N71-24606
US-PATENT-CLASS-29-412	c15 N72-20444	US-PATENT-CLASS-35-19	c10 N71-27365
US-PATENT-CLASS-29-421	c15 N71-29018	US-PATENT-CLASS-35-22R	c05 N73-13114
US-PATENT-CLASS-29-421	c14 N72-22439	US-PATENT-CLASS-35-22	c11 N71-16028
US-PATENT-CLASS-29-423	c15 N70-36409	US-PATENT-CLASS-35-29	c05 N71-28619
US-PATENT-CLASS-29-426	c15 N72-20444	US-PATENT-CLASS-35-45	c14 N70-35394
US-PATENT-CLASS-29-428	c15 N71-17686	US-PATENT-CLASS-35-49	c12 N69-39988
US-PATENT-CLASS-29-452	c15 N73-30457 c15 N69-39786	US-PATENT-CLASS-40-28	c12 N71-18603
US-PATENT-CLASS-29-472.9	c26 N71-16037	US-PATENT-CLASS-40-130	c09 N73-14215
US-PATENT-CLASS-29-472.9	c15 N72-22492	US-PATENT-CLASS-42-1P	c11 N72-22247
US-PATENT-CLASS-29-472.9	c15 N72-22492	US-PATENT-CLASS-44-77	c06 N71-23499
US-PATENT-CLASS-29-473.1	c15 N72-22492	US-PATENT-CLASS-47-1.4	c31 N73-32750
US-PATENT-CLASS-29-473.1	c05 N72-25121	US-PATENT-CLASS-47-17	c31 N73-32750
US-PATENT-CLASS-29-482	c15 N73-33383	US-PATENT-CLASS-51-57	c15 N71-22705
US-PATENT-CLASS-29-487	c15 ¥70-33311	US-PATENT-CLASS-51-170	c15 N71-26134
US-PATENT-CLASS-29-400	c15 N71-20443	US-PATENT-CLASS-51-216	c15 N72-20444
US-PATENT-CLASS-29-492	c09 N72-25261	US-PATENT-CLASS-51-320	c15 N72-20444
US-PATENT-CLASS-29-494	c15 N73-33383	US-PATENT-CLASS-51-323	c15 N72-20444
US-PATENT-CLASS-29-495	c15 N71-21078	US-PATENT-CLASS-52-DIG. 10	c18 N72-25540
US-PATENT-CLASS-29-497	c09 N72-25261	US-PATENT-CLASS-52-DIG. 10	c18 N72-25541
US-PATENT-CLASS-29-497	c15 N73-32358	US-PATENT-CLASS-52-1	c15 N72-28496
US-PATENT-CLASS-29-497.5	c15 N73-28515	US-PATENT-CLASS-52-2	c32 N71-21045
US-PATENT-CLASS-29-497.5			c31 N71-16080
	c15 N73-33383	US-PATENT-CLASS-52-3	
US-PATENT-CLASS-29-498	c15 N73-33383 c09 N72-25261	US-PATENT-CLASS-52-64	c31 N73-32749

		,	
US-PATENT-CLASS-52-80	c18 N72-25540	US-PATENT-CLASS-60-35.55	
US-PATENT-CLASS-52-80	c18 N72-25541	HS-DATPNO-CLACE-CA-SE FF	c28 N70-38711
US-PATENT-CLASS-52-80	c31 N73-32749	US-PAIRNIT CLASS-00-35.55	c21 N71-15582
US-PATENT-CLASS-52-108	c15 N72-18477	US-PATENT-CLASS-60-35.55	c15 N71-28951
HE-DAMBUM-CLASS FO 400		US-PATENT-CLASS-60-35.60	c28 N71-15659
HC-DAMPNM-CTACC-CA 407	c31 N73-32749	US-PATENT-CLASS-60-36	c15 N72-33477
## B. #####	c15 N71-21531	US-PATENT-CLASS-60-37	c15 N73-13467
NC Dimpum origo to the	c15 N72-25454	US-PATENT-CLASS-60-39.28R	c28 N73-19793
US-PATENT-CLASS-52-171	c11 N73-12265	US-PATENT-CLASS-60-39.36	
OS-PATENT-CLASS-52-173	c15 N72-25454	HS-DATENT-CIACC. (O. 30. 30	c28 N71-20330
US-PATENT-CLASS-52-249	c33 N71-25351	MC Dimpum origin co	C28 N71-28915
US-PATENT-CLASS-52-272	c31 N71-24035	US-PATENT-CLASS-60-39.46	c27 N71-15635
US-PATENT-CLASS-52-284	c32 N73-13921	US-PATENT-CLASS-60-39.47	c27 N71-16392
HC-Dimbum-Crico Co hon		US-PATENT-CLASS-60-39.48	c28 N70-38199
HC-DAMBUM CYACO TO FOR	c33 N71-25351	US-PATENT-CLASS-60-39.48	c28 N70-39931
HE-DAMBUM CTACC 50 FOR	c15 N72-28496	US-PATENT-CLASS-60-39.48	c27 N71-28929
US-PATENT-CLASS-52-594	c15 N72-25454	US-PATENT-CLASS-60-39.65	c28 N71-28915
US-PATENT-CLASS-52-594	c32 N73-13921	US-PATENT-CLASS-60-39.65	
US-PATENT-CLASS-52-646	c31 N73-32749	HS-DAMPNM-CLASS- (A DO CC	c23 N73-30665
US-PATENT-CLASS-52-648	c11 N72-25287	HS-DATENT-CLASS-60 20 66	c15 N70-36411
US-PATENT-CLASS-52-655	c11 N72-25287	UC-DIMENT CIACO CO 30 70	c23 N73-30665
US-PATENT-CLASS-53-22	c15 N71-23256	US-PATENT-CLASS-60-39.72	c23 N73-30665
HC-Dampum-Clace E2 CO.		US-PATENT-CLASS-60-39.74	c28 N70-33241
DC-Dimpum Ctica Co 400	c15 N73-27405	US-PATENT-CLASS-60-39.74	c28 N72-17843
NO DIMENT OFFICE PO 440-	c15 N71-21528	US-PATENT-CLASS-60-39.74A	c15 N72-25455
US-PATENT-CLASS-53-112A	c15 N73-27405	US-PATENT-CLASS-60-39.74R	c23 N73-30665
US-PATENT-CLASS-55-16	c06 N72-31140	HS-DATENT-CTACC (A 30 %)	
US-PATENT-CLASS-55-35	c05 N70-41297	HS-DATPNT-CIACC-CA.E4	c28 N72-11709
US-PATENT-CLASS-55-55	c06 N72-31140	HC-DAMENM-CIACO CO EN E	c15 N71-27754
US-PATENT-CLASS-55-75	c15 N71-26185		c15 N71-10658
US-PATENT-CLASS-55-158	c18 N71-20742	US-PATENT-CLASS-60-97	c03 N71-12260
HC-DAMENM CTACC EF ACA		US-PATENT-CLASS-60-108	c33 N71-16104
DC_DAMBNO_CTACC EE 470	c15 N71-15968	US-PATENT-CLASS-60-200	C28 N71-14044
TE-DAMPHM-CTACC SE OF	c14 N71-17588	US-PATENT-CLASS-60-200A	c33 N72-25911
US-PATENT-CLASS-55-204	c15 N71-23023	US-PATENT-CLASS-60-200A	
US-PATENT-CLASS-55-208	c14 N71-18483	HS-DATPHT-CIACC-CO 202	c33 N73-25952
US-PATENT-CLASS-55-306	c28 N70-34788	HS-DAMENM-CTACC CO COC	c28 N70-41922
US-PATENT-CLASS-55-400	c11 N71-10777		c28 N71-10574
US-PATENT-CLASS-55-408	c15 N70-40062	US-PATENT-CLASS-60-202	c25 N71-21694
TIC-DAMPAM-CTACC CE 440		US-PATENT-CLASS-60-202	c28 N71-21822
DC-DIMENM CTICS FF 466	c15 N71-22721	US-PATENT-CLASS-60-202	c28 N71-23081
HC_DATEND_CIACC_EE NCD	c15 N72-22489	US-PATENT-CLASS-60-202	c28 N71-23293
DO DIMENUM COLOR DO LOS	c15 N72-22489	US-PATENT-CLASS-60-202	c28 N71-25213
US-PATENT-CLASS-55-493	c14 N72-23457	US-PATENT-CLASS-60-202	c28 N71-26173
US-PATENT-CLASS-55-498	c14 N72-23457	US-PATENT-CLASS-60-202	
US-PATENT-CLASS-55-502	c14 N72-23457		c28 N71-26642
US-PATENT-CLASS-55-521	c14 N72-23457	HC Dimmy Ctics of Co.	c28 N71-26781
US-PATENT-CLASS-58-24	c10 N71-26326	NC Dimpum color of the	c28 N72-11709
US-PATENT-CLASS-60-1	c15 N72-33477	US-PATENT-CLASS-60-202	c28 N72-22770
US-PATENT-CLASS-60-1	c15 N73-13467	US-PATENT-CLASS-60-202	c28 N72-22771
US-PATENT-CLASS-60-23		US-PATENT-CLASS-60-202	c28 N73-24783
NO DAMPUM OF CO.		US-PATENT-CLASS-60-202	c25 N73-25760
HS-DATPNM-CLASS-CO OO	c15 N72-12409	US-PATENT-CLASS-60-202	c28 N73-27699
HC-DAMENM-CTACC (A 33	c21 N72-31637	US-PATENT-CLASS-60-211	c28 N73-13773
	c15 N73-13467	US-PATENT-CLASS-60-215	c06 N73-30097
US-PATENT-CLASS-60-25	c15 N73-24513	US-PATENT-CLASS-60-217	
US-PATENT-CLASS-60-26	c21 N72-31637	HC-DAMENM-CTACC (A CO.	c12 N71-17631
US-PATENT-CLASS-60-26	c03 N73-20040	HS-DATENT-CLASS CO 200	c28 N71-10780
US-PATENT-CLASS-60-35.3	c28 N70-33265	TC DIMDUM Grace (a aux	c28 N71-24736
US-PATENT-CLASS-60-35.3	c28 N70-40367		c28 N73-13773
US-PATENT-CLASS-60-35.5	c28 N70-33356	US-PATENT-CLASS-60-243	c33 N71-21507
US-PATENT-CLASS-60-35.5	c28 N70-34175	US-PATENT-CLASS-60-243	c15 N71-27432
US-PATENT-CLASS-60-35.5		US-PATENT-CLASS-60-243	c28 N73-13773
TC-DAMBUM CTACO CO OF 5		US-PATENT-CLASS-60-251	c28 N70-41311
	c28 N70-36802	US-PATENT-CLASS-60-251	c27 N71-21819
HC-DAMBUM CYACO CO OF F	c21 N70-36938	US-PATENT-CLASS-60-254	c28 N72-20758
NC DIMBUM CTICE CA	c25 N70-36946	US-PATENT-CLASS-60-254	c28 N73-24784
US-PATENT-CLASS-60-35.5	c28 N70-37245	US-DATENT-CLACE 60 OCC	
US-PATENT-CLASS-60-35.5	c28 N70~37980	II S-DATENT-CIACC. (A. DED	c28 N73-24784
US-PATENT-CLASS-60-35.5	c28 N71-14043	HS-DATENT-CLASS (O. 250	c31 N70-41948
US-PATENT-CLASS-60-35.5	c28 N71-15661	HS-DATENT-CLASS-60-360	c15 N70-22192
US-PATENT-CLASS-60-35.6			c28 N71-22983
US-PATENT-CLASS-60-35.6	c28 N70-33284 c28 N70-33331	US-PATENT-CLASS-60-258	c28 N71-28849
HC-DATENT CIACO CO SC C		US-PATENT-CLASS-60-258	c28 N72-17843
HS-DATEME-CLACE CO OF C	c28 N70-33374	US-PATENT-CLASS-60-258	c15 N72-25455
HC-DAMENM CTACC CO OC C	c28 N70-33375	US-PATENT-CLASS-60-259	c28 N70-41275
US-PATENT-CLASS-60-35.6	c28 N70-34860	US-PATENT-CLASS-60-260	
US-PATENT-CLASS-60-35.6	c28 N70-35381	HC-Dimbum cried to oth	c28 N70-41992
US-PATENT-CLASS-60-35.6	c27 N70-35534	HC-DAMPAM-CTACC CO OCA	c28 N72-18766
US-PATENT-CLASS-60-35.6	c15 N70-36535	HC-DAMENT CTACK CO OCC	c28 N71-24321
US-PATENT-CLASS-60-35.6	c28 N70-36806	US-PATENT-CLASS-60-265	c28 N71-20942
US-PATENT-CLASS-60-35.6	c28 N70-36910	US-PATENT-CLASS-60-265	c33 N72-25911
DC-DAMPNM-CIACO CO DE C		US-PATENT-CLASS-60-265	c33 N73-25952
HC-DAMPHM CTACC CO OF C	c28 N70-38249	US-PATENT-CLASS-60-266	c33 N71-28852
UC-Dampum crace co oc c	c28 N70-38504	US-PATENT-CLASS-60-266	c28 N72-23810
HC-DAMENE CLACK CO OC C	c28 N70-38505	US-PATENT-CLASS-60-267	c33 N71-29053
US-PATENT-CLASS-60-35.6	c28 N70-38710	US-PATENT-CLASS-60-267	c33 N72-25911
US-PATENT-CLASS-60-35.6	c28 N70-39899	HC-DAMBAM CTACC CO OCC	
US-PATENT-CLASS-60-35.6	c33 N71-15623	TC-DAMENT OF FOR CO. OCC.	c33 N73-25952
US-PATENT-CLASS-6C-35.6	C27 N71-15634	TC-DAGRUM CTACO CO CTA	c28 N73-32606
US-PATENT-CLASS-60-35.6	c31 N71-15637	HC-DAMENO CTACC CO ONA	c28 N72-11708
US-PATENT-CLASS-60-35.6	c31 N71-15647	US-PATENT-CLASS-60-271	c28 N72-23810
HC-DAMBUM CTACO CO OF C		US-PATENT-CLASS-60-291	c31 N73-13898
70	c28 N71-15660	US-PATENT-CLASS-62-2	c15 N71-15906
DE-DAMPHM-CLASS CO OF CH	c14 N71-27186	US-PATENT-CLASS-62-6	c15 N69-23190
HC-DAMBUM CTACC CA OF FO	C28 N70-34294	US-PATENT-CLASS-62-6	c23 N71-15467
US-PATENT-CLASS-60-35.54	C28 N70-38645	US-PATENT-CLASS-62-6	c15 N71-23025
US-PATENT-CLASS-60-35.54	c28 N71-29153	US-PATENT-CLASS-62-6	
US-PATENT-CLASS-60-35.55	c28 N70-34162		C23 N72-25619
	- 1	US-PATENT-CLASS-62-7	c15 N73-12486

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US-PATENT-CLASS-73-28
US-PATENT-CLASS-73-29
                                                                                                                                                      c14 N73-30395
c14 N71-17701
                                                           c06 N70-34946
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US-PATENT-CLASS-62-15
US-PATENT-CLASS-62-40
                                                           c15 N71-24044
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                                                                                                                                                      c14 N71-20741
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US-PATENT-CLASS-62-45
                                                           c15 N70-33323
                                                                                           US-PATENT-CLASS-73-30
US-PATENT-CLASS-73-32
US-PATENT-CLASS-73-35
US-PATENT-CLASS-73-35
                                                                                                                                                      C14 N70-41681
C14 N70-41330
C33 N72-27959
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US-PATENT-CLASS-62-45
                                                           c31 N70-41871
                                                           c33 N71-25351
US-PATENT-CLASS-62-45
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US-PATENT-CLASS-62-45
US-PATENT-CLASS-62-45
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                                                           c33 N71-28892
                                                                                                                                                      c18 N71-24934
                                                           c15 N73-12486
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                                                                                           US-PATENT-CLASS-73-40.5
US-PATENT-CLASS-73-40.7
US-PATENT-CLASS-73-40.7
US-PATENT-CLASS-73-45.5
                                                                                                                                                      c14 N71-10779
c15 N71-24910
c14 N71-28992
                                                           c15 N70-34247
US-PATENT-CLASS-62-50
                                   . . . . . . . . . . . . . . . . . . .
                                                           c15 N72-17453
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US-PATENT-CLASS-62-51
US-PATENT-CLASS-62-55
                                                           c15 N70-38020
c11 N71-24964
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US-PATENT-CLASS-85-1	c15 N71-17653	US-PATENT-CLASS-103-37	c28 N71-14058
US-PATENT-CLASS-85-3	c15 N72-11385	US-PATENT-CLASS-103-48	c15 N71-24042
US-PATENT-CLASS-85-7	c15 N71-23254	US-PATENT-CLASS-104-1	c05 N71-28619 c05 N71-28619
US-PATENT-CLASS-85-33	c15 N71-15922	US-PATENT-CLASS-104-139	c18 N71-14014
US-PATENT-CLASS-85-33	c15 N71-21489	US-PATENT-CLASS-106-15	c18 N71-15469
US-PATENT-CLASS-86-1	c28 N71-26779 c28 N71-26779	US-PATENT-CLASS-106-39	c26 N72-28762
US-PATENT-CLASS-86-20.2	c21 N70-35427	US-PATENT-CLASS-106-39R	c18 N73-14584
US-PATENT-CLASS-88-1	C21 N71-22880	US-PATENT-CLASS-106-40	c18 N71-22998
US-PATENT-CLASS-88-14	c14 N70-34298	US-PATENT-CLASS-106-46	c26 N72-28762 c17 N71-20941
US-PATENT-CLASS-88-14	c14 N70-40003	US-PATENT-CLASS-106-55	c18 N73-14584
US-PATENT-CLASS-88-14	C14 N70-41946	US-PATENT-CLASS-106-55	c18 N73-14584
US-PATENT-CLASS-88-14	c14 N70-41955 c09 N71-22999	US-PATENT-CLASS-106-63	c18 N73-14584
US-PATENT-CLASS-88-14	c14 N70-33254	US-PATENT-CLASS-106-74	c18 N69-39979
US-PATENT-CLASS-88-16	c23 N71-21882	US-PATENT-CLASS-106-84	c18 N71-24183
US-PATENT-CLASS-89-1	c03 N70-34667	US-PATENT-CLASS-106-84	c18 N71-24184 c18 N72-22566
US-PATENT-CLASS-89-1	c15 N71-16078	US-PATENT-CLASS-106-84	c18 N72-22580
US-PATENT-CLASS-89-1.5	c31 N71-15675	US-PATENT-CLASS-106-84	c18 N71-16124
US-PATENT-CLASS-89-1.5	c15 N71-24600	US-PATENT-CLASS-106-209	c05 N72-25120
US-PATENT-CLASS-89-1.7	c11 N70-38202 c30 N70-40353	US-PATENT-CLASS-106-286	c18 N72-22566
US-PATENT-CLASS-89-1.7	c03 N71-12258	US-PATENT-CLASS-106-288B	c18 N72-22566
US-PATENT-CLASS-89-1.7	c03 N71-12259	US-PATENT-CLASS-106-292	c18 N72-17532
US-PATENT-CLASS-89-1.806	c15 N71-24043	US-PATENT-CLASS-106-296	c18 N71-26772 c18 N72-17532
US-PATENT-CLASS-89-1.811	c15 N72-17455	US-PATENT-CLASS-106-299	c18 N71-26285
US-PATENT-CLASS-89-8	c11 N71-18578	US-PATENT-CLASS-112-402	c15 N71-15597
US-PATENT-CLASS-89-8	c11 N73-32152 c15 N71-33518	US-PATENT-CLASS-114-66.5	c12 N70-33305
US-PATENT-CLASS-90-11	c15 N71-22799	US-PATENT-CLASS-114-122	c02 N73-26006
US-PATENT-CLASS-90-12	c05 N73-32014	US-PATENT-CLASS-116-114AH	c14 N72-25411
US-PATENT-CLASS-91-186	c15 N71-27754	US-PATENT-CLASS-116-117	c14 N70-42074
US-PATENT-CLASS-91-363A	c15 N73-13466	US-PATENT-CLASS-117-6	c14 N71-20461 c15 N72-25452
US-PATENT-CLASS-91-390	c15 N71-27147	US-PATENT-CLASS-117-16R	c18 N69-39895
US-PATENT-CLASS-91-390	c15 N71-27754	US-PATENT-CLASS-117-21	c06 N73-13128
US-PATENT-CLASS-91-448	c15 N71-27754 c15 N73-13466	US-PATENT-CLASS-117-37	c15 N72-25452
US-PATENT-CLASS-91-448	c15 N71-27147	US-PATENT-CLASS-117-46	c15 N71-16077
US-PATENT-CLASS-91-461	c14 N73-13418	US-PATENT-CLASS-117-47R	c15 N72-25452
US-PATENT-CLASS-92-94	c32 N70-41370	US-PATENT-CLASS-117-50	c15 N71-15610
US-PATENT-CLASS-93-1	c15 N70-33180	US-PATENT-CLASS-117-62	c15 N72-25447 c15 N72-25452
US-PATENT-CLASS-95-1.1	c14 N72-18411	US-PATENT-CLASS-117-62	c18 N71-10772
US-PATENT-CLASS-95-1.1	c14 N73-26431	US-PATENT-CLASS-117-65.2	c15 N73-32360
US-PATENT-CLASS-95-11	c14 N71-18465 c16 N71-33410	US-PATENT-CLASS-117-69	c18 N70-36400
US-PATENT-CLASS-95-11	c14 N73-32319	US-PATENT-CLASS-117-69	c15 N71-16075
US-PATENT-CLASS-95-11	C14 N73-32319	US-PATENT-CLASS-117-93.3	c15 N72-25452
US-PATENT-CLASS-95-11.5R	c14 N73-19419	US-PATENT-CLASS-117-93.16D	c15 N72-25447 c18 N71-26100
US-PATENT-CLASS-95-11R	c14 N73-19419	US-PATENT-CLASS-117-104	c15 N73-32360
US-PATENT-CLASS-95-12	c14 N73-33361	US-PATENT-CLASS-117-105	c15 N73-32360
US-PATENT-CLASS-95-12.5	c31 N72-25842 c14 N73-14427	US-PATENT-CLASS-117-105.5	c33 N71-14032
US-PATENT-CLASS-95-12.5	c14 N73-14427 c14 N72-20380	US-PATENT-CLASS-117-107	c15 N72-25447
US-PATENT-CLASS-95-18	c14 N73-32322	US-PATENT-CLASS-117-107.2	c15 N71-17695
US-PATENT-CLASS-95-44	c14 N71-26474	US-PATENT-CLASS-117-119	c18 N71-16105
US-PATENT-CLASS-95-53	c15 N71-21060	US-PATENT-CLASS-117-124C	c15 N72-25452 c15 N73-32360
US-PATENT-CLASS-95-58	c14 N70-40273	US-PATENT-CLASS-117-130R	c06 N72-25150
US-PATENT-CLASS-95-59	c14 N73-14427 c06 N72-21094	US-PATENT-CLASS-117-132	c15 N73-32360
US-PATENT-CLASS-96-36.2	c15 N72-25452	US-PATENT-CLASS-117-151	c15 N73-32360
US-PATENT-CLASS-96-36.2	c14 N71-17574	US-PATENT-CLASS-117-152	c15 N72-25452
US-PATENT-CLASS-96-90PC	c14 N72-22443	US-PATENT-CLASS-117-160R	c15 N73-32360
US-PATENT-CLASS-99-80PS	c05 N72-33096	US-PATENT-CLASS-117-161	c06 N72-25150 c06 N73-27980
US-PATENT-CLASS-100-299	c15 N72-20446	US-PATENT-CLASS-117-161P	c06 N73-27980
US-PATENT-CLASS-102-34-4	c07 N72-25171	US-PATENT-CLASS-117-200	c09 N72-25259
US-PATENT-CLASS-102-49	c33 N70-36846 c28 N70-38181	US-PATENT-CLASS-117-201	c15 N69-21460
US-PATENT-CLASS-102-49	c03 N70-39930	US-PATENT-CLASS-117-201	c18 N71-16046
US-PATENT-CLASS-102-49	c15 N70-41679	US-PATENT-CLASS-117-201	c03 N72-24037
US-PATENT-CLASS-102-49	c28 N70-41967	US-PATENT-CLASS-117-211	c15 N72-25447 c09 N71-20705
US-PATENT-CLASS-102-49	c31 N71-10582	US-PATENT-CLASS-117-212	c15 N71-29032
US-PATENT-CLASS-102-49	c15 N71-13789	US-PATENT-CLASS-117-212	c26 N72-28762
US-PATENT-CLASS-102-49	c31 N71-15692 c31 N71-17730	US-PATENT-CLASS-117-212	c15 N72-25447
US-PATENT-CLASS-102-49	c31 N71-17730 c31 N71-15687	US-PATENT-CLASS-117-217	c26 N72-28762
US-PATENT-CLASS-102-49.5	c15 N71-13007	US-PATENT-CLASS-117-224	c15 N71-28582
US-PATENT-CLASS-102-49.5	c31 N71-23008	US-PATENT-CLASS-117-228	c06 N73-27980
US-PATENT-CLASS-102-49.5	c31 N73-14853	US-PATENT-CLASS-118-11	c15 N71-17647
US-PATENT-CLASS-102-49.7	c28 N73-24784	US-PATENT-CLASS-118-49.1	c15 N72-32487 c09 N71-26701
US-PATENT-CLASS-102-49.8	c28 N73-24784	US-PATENT-CLASS-118-49.5	c17 N71-24911
US-PATENT-CLASS-102-50	c31 N71-24750	US-PATENT-CLASS-118-3U8	c11 N71-22875
US-PATENT-CLASS-102-70.2	c09 N71-18599 c11 N73-32152	US-PATENT-CLASS-119-96	c05 N71-28619
APERTURATED AND AND AND AND AND AND AND AND AND AN			

US-PATENT-CLASS-121-38	c15 N70-35409	US-PATENT-CLASS-136-132	
US-PATENT-CLASS-121-38	CO2 N71-29128		c03 N71-11053
US-PATENT-CLASS-122-32	c33 N72-20915		c03 N71-22974
US-PATENT-CLASS-123-102		US-PATENT-CLASS-136-133	c15 N69-24320
DS-DATEND-CLASS 400 4000	c11 N72-20244	US-PATENT-CLASS-136-133	c03 N71-23006
HS-DATEND-CIACC-406 070	c28 N72-22772	US-PATENT-CLASS-136-133	c03 N72-15986
HC DIMBUR CLICA AND AND	c09 N70-40234	US-PATENT-CLASS-136-135	c03 N72-15986
US-PATENT-CLASS-126-270	c03 N70-41580	US-PATENT-CLASS-136-146	c03 N69-21337
US-PATENT-CLASS-128-DIG.4	c05 N72-27103	HS-DIMPHM-CTICC 400 400	
US-PATENT-CLASS-128-1	c05 N70-41819	US-DIMPHM-CTICC 126 466	c03 N71-23336
US-PATENT-CLASS-128-1	c05 N71-20268	TO DAMPUM OFFICE CO.	c03 N72-20032
US-PATENT-CLASS-128-1A	c05 N73-32012	US-PATENT-CLASS-136-170	c03 N71-11051
US-PATENT-CLASS-128-2		US-PATENT-CLASS-136-175	c03 N72-20034
NC Dimbur	c05 N73-27062	US-PATENT-CLASS-136-179	CO3 N70-41864
	c05 N71-11193	US-PATENT-CLASS-136-182	c03 N71-10728
	c05 N71-12346	US-PATENT-CLASS-136-182	c03 N71-20407
US-PATENT-CLASS-128-2.1	c05 N71-24729	US-PATENT-CLASS-136-182	
US-PATENT-CLASS-128-2.1	c09 N71-26002	HC-DAMPAM-CTACC 434 040	c03 N71-20491
US-PATENT-CLASS-128-2.1	c05 N72-25120		c09 N72-12136
US-PATENT-CLASS-128-2.1A	c09 N72-17153		c03 N72-26031
US-PATENT-CLASS-128-2.1A	c09 N72-22202	US-PATENT-CLASS-136-206	c03 N72-11062
TS-DAMPHM-CTACC 400 0 47	c05 N72-27103	US-PATENT-CLASS-136-206	c09 N72-12136
UC-DAMENM-CIACC-400 0 45		US-PATENT-CLASS-136-213	c14 N69-27459
HC-DAMBUM CTACC 400 0 AC	c05 N73-26072	US-PATENT-CLASS-136-224	c14 N73-12447
HC Dimbum of Los 400 a 45	c05 N70-41329	US-PATENT-CLASS-136-225	c14 N73-24472
US-PATENT-CLASS-128-2.05	c04 N71-23185	HS-DATTNT-CIACC 436 337	
US-PATENT-CLASS-128-2.05	c05 N71-27234	HS-DAMPHM-CIACC-436 000	CO9 N72-12136
US-PATENT-CLASS-128-2.05F	c14 N73-32326	HS-DAMENM-CTACC-427 020	c33 N71-15568
US-PATENT-CLASS-128-2.05B	c05 N73-27941	US-DATEMI-CLASS-130-230	c14 N71-23039
US-PATENT-CLASS-128-2.06	c05 N69-21925	US-PATENT-CLASS-136-233	c14 N72-27410
US-PATENT-CLASS-128-2.06		US-PATENT-CLASS-136-233	c14 N73-13417
TIC-DAMPUM CTACC 400 0 00	c05 N71-22896	US-PATENT-CLASS-137-1	c12 N70-38997
NC Dimpum and an analysis	c09 N71-24618	US-PATENT-CLASS-137-1	c15 N73-27406
# C - D 1 M D M M C T 1 C C 4 C C C C C C C C	c05 N71-26293	US-PATENT-CLASS-137-13	c15 N71-15967
US-PATENT-CLASS-128-2.06R	c05 N73-27941	US-PATENT-CLASS-137-13	
US-PATENT-CLASS-128-2.07	c05 N73-32015	DC DIMENUM COLUMN AND THE	c15 N72-33477
US-PATENT-CLASS-128-2.08	c05 N69-21473	HC-Dimens orige 400 or	c05 N72-20097
OS-PATENT-CLASS-128-2.08	c05 N73-32015	US-PATENT-CLASS-137-81	c14 N73-13418
US-PATENT-CLASS-128-2N	CO5 N72-25122	UC DIMBUM GTAGE AGE A.	c12 N69-21466
US-PATENT-CLASS-128-2N	c05 N73-13114	US-PATENT-CLASS-137-81.5	c15 N71-15609
US-PATENT-CLASS-128-2R	11	US-PATENT-CLASS-137-81.5	c12 N71-17578
HS-DAWENM-CIACO 400 00	C09 N72-22202	US-PATENT-CLASS-137-81.5	c12 N71-17579
MC-DAMENM-CIACO 400 00	c05 N71-24738	US-PATENT-CLASS-137-81.5	c10 N71-25899
HC Dimnim or too	c05 N73-27062	US-PATENT-CLASS-137-81.5	c12 N71-27332
UC DIEDUM CTICE 400 00	c05 N71-24738	US-PATENT-CLASS-137-81.5	c12 N71-28741
US-PATENT-CLASS-128-29	c05 N70-39922	HS-DATENT-CIACC-137 C4 F	
US-PATENT-CLASS-128-142.5	c05 N71-11190	HS-DATENT-CIACC 437 04 C	c28 N72-22772
US-PATENT-CLASS-128-142.5	c05 N71-11203	HC. DAMENT OF LOS AND ALL	c15 N72-33477
US-PATENT-CLASS-128-142.5	c05 N71-17599	DC Dimbum or inc.	c15 N73-13462
US-PATENT-CLASS-128-142.5	CO5 N72-20096	US-PATENT-CLASS-137-81.5	c28 N73-13773
US-PATENT-CLASS-128-142.5	c05 N73-25125	US-PATENT-CLASS-137-154	c15 N73-27406
HS-DATENT-CIACC 100 00C-		US-PATENT-CLASS-137-197	c15 N70-41646
DS-DAMENE-CIACO 400 070	c14 N73-24473	US-PATENT-CLASS-137-340	c15 N70-34817
HS-DATENT-CIACC-100 075	c15 N71-24835	US-PATENT-CLASS-137-340	c15 N70-35087
UC-DAMBAM-CIAGG 400 000	c15 N71-24835	US-PATENT-CLASS-137-341	c12 N71-17661
US-PATENT-CLASS-128-283	c05 N69-23192	US-DATENT-CIACC-137 307	
US-PATENT-CLASS-128-295	c05 N72-22093	HS-DATENT-CIACC-127 #CO	c15 N73-26472
US-PATENT-CLASS-128-305	c05 N73-27062	HS-DATENT-CTACC 437 HOT E	c05 N72-20097
US-PATENT-CLASS-128-402	c05 N72-20096	US-DATENT-CLACE-127-004	C14 N73-13418
US-PATENT-CLASS-128-417	c05 N72-25120	UC-Dimpym Olion 405 405	c15 N69-21924
US-PATENT-CLASS-128-417	c05 N72-27103	US-PATENT-CLASS-137-495	c15 N70-38603
US-PATENT-CLASS-129-16.7		US-PATENT-CLASS-137-496	c15 N71-22706
US-PATENT-CLASS-135-1	COS N71-15908	US-PATENT-CLASS-137-505.12	c14 N71-18625
HC-Daming or acc 424	c32 N70-36536	US-PATENT-CLASS-137-516.27	c15 N73-30459
NO DISCOURS COLLEGE	c03 N71-26084	US-PATENT-CLASS-137-535	c15 N73-30459
TC-DATENT-CTACC 436 OF	c03 N72-15986	US-PATENT-CLASS-137-535	c05 N73-32014
US-PATENT-CLASS-136-24	c09 N73-32108	US-PATENT-CLASS-137-538	
US-PATENT-CLASS-136-28	c03 N71-10608	HS-PATENT-CIACC-137-E30	c05 N73-25125
US-PATENT-CLASS-136-79	c03 N72-20032	HC-Dampum Grage 405 55	c15 N70-41811
US-PATENT-CLASS-136-81	c03 N72-20032	BC-DAMBAM-CTACC 427 FC0	c09 N71-23191
US-PATENT-CLASS-136-83	c03 N71-28579	US-PATRIT-CLASS-137-559	c11 N73-12265
US-PATENT-CLASS-136-83R	c03 N72-20034	US-PATENT-CLASS-137-582	c32 N71-16103
US-PATENT-CLASS-136-86	c03 N71-11052	US-PATENT-CLASS-137-582	c32 N71-16106
US-PATENT-CLASS-136-86	c03 N71-11032	US-PATENT-CLASS-137-582	c15 N71-19569
MS-DAMPNM-CIACO 43C OC		US-PATENT-CLASS-137-582	c15 N73-26472
HC_DAMPHM_CTAGE 426 Oc	c15 N71-23022	US-PATENT-CLASS-137-594	c12 N71-18615
HC-DAMENIE CTICS 426 00	c03 N71-29044	US-PATENT-CLASS-137-604	c15 N73-27406
US-PATENT-CLASS-136-89	c03 N69-24267	US-PATENT-CLASS-137-608	
US-PATENT-CLASS-136-89	c03 N71-11049	HC-DAMPHM-CTACC 427 CALL	c15 N73-13462
US-PATENT-CLASS-136-89	c03 N71-11050	TC-Dimbin Crico 425 cas	c15 N70-36492
US-PATENT-CLASS-136-89	c03 N71-11056	US-PATENT-CLASS-137-615 US-PATENT-CLASS-137-624.14	c12 N71-16031
US-PATENT-CLASS-136-89	c03 N71-18698		c03 N69-21469
US-PATENT-CLASS-136-89	c03 N71-19545	US-PATENT-CLASS-137-625.5	c15 N71-23051
US-PATENT-CLASS-136-89	c03 N71-19343	US-PATENT-CLASS-137-625.69	c15 N70-36908
NO DIMENS OF LOS		US-PATENT-CLASS-138-4	c15 N71-18580
	c03 N71-20895	US-PATENT-CLASS-138-42	c15 N71-15608
HS_DAMBNM_CIACC 436 00	c26 N71-23043	US-PATENT-CLASS-138-43	c15 N71-19213
HC-DAMPNM-CLACC-42C 00	c03 N71-23187	US-PATENT-CLASS-138-45	c15 N71-19213
US-PATENT-CLASS-136-89	c03 N71-23449	HC-DAMENE CTACC 430 HE	
US-PATENT-CLASS-136-89	c03 N71-33409		c15 N73-13462
US-PATENT-CLASS-136-89	c03 N72-20031	HC-DAMBUM CTACK 430 440	c12 N71-18615
US-PATENT-CLASS-136-89	c03 N72-22042	TIS-DATENT-CIACO 430 430	c32 N70-41579
US-PATENT-CLASS-136-89	c31 N72-22874	US-PATENT-CLASS-138-178	c15 N72-20445
US-PATENT-CLASS-136-89		US-PATENT-CLASS-139-425R	c28 N72-11708
NO DIMPUM COLOR AND	c03 N72-24037	US-PATENT-CLASS-140-105	c15 N72-12408
TIC-DAMENIE CYACO 400 00	c09 N72-25259	US-PATENT-CLASS-140-123	c15 N71-15918
HC DIMPUM CTICS 435 AS	c03 N72-27053	US-PATENT-CLASS-140-124	c15 N71-10809
US-PATENT-CLASS-136-89	c09 N73-32109	US-PATENT-CLASS-141-5	
US-PATENT-CLASS-136-100R	c03 N72-20034	HC-DAMENM OF LCC 484 CC	c33 N71-20834
	1	US-PATENT-CLASS-141-23	c15 N72-21465

TO DIMPUM OF ICC-4//4-04	c12 N71-21089	US-PATENT-CLASS-165-86	c33 N71-29046
US-PATENT-CLASS-141-91	c14 N71-27005	US-PATENT-CLASS-165-96	c33 N70-36847
US-PATENT-CLASS-148-1.5	c26 N71-10607	US-PATENT-CLASS-165-96	c33 N71-22890
US-PATENT-CLASS-148-1.5	c26 N71-23654	US-PATENT-CLASS-165-96	c31 N73-30829
US-PATENT-CLASS-148-6	c18 N71-29040	US-PATENT-CLASS-165-96 US-PATENT-CLASS-165-104	c33 N73-32818 c33 N71-25353
US-PATENT-CLASS-148-6.3	c17 N71-33408 c15 N71-24875	US-PATENT-CLASS-165-104	c09 N71-24807
US-PATENT-CLASS-148-6.11	c18 N71-23047	US-PATENT-CLASS-165-105	c33 N71-25353
US-PATENT-CLASS-148-6.20	c17 N71-23828	US-PATENT-CLASS-165-105	c33 N72-17948
US-PATENT-CLASS-148-11.5R	c15 N73-13465	US-PATENT-CLASS-165-105	c31 N73-30829
US-PATENT-CLASS-148-13	c14 N71-25892	US-PATENT-CLASS-165-105	c28 N73-32606 c33 N73-32818
US-PATENT-CLASS-148-32.5	c17 N72-22535 c17 N71-24142	US-PATENT-CLASS-165-106	c09 N71-24807
US-PATENT-CLASS-148-126	c18 N71-26153	US-PATENT-CLASS-165-133	c33 N71-16277
US-PATENT-CLASS-148-126	c18 N71-28729	US-PATENT-CLASS-165-133	c33 N71-25353
US-PATENT-CLASS-148-174	c26 N71-29156	US-PATENT-CLASS-165-133	c33 N72-20915
US-PATENT-CLASS-148-187	c26 N72-17820	US-PATENT-CLASS-165-138	c09 N71-24807
US-PATENT-CLASS-148-187	c14 N72-28438	US-PATENT-CLASS-165-141	c28 N73-32606 c33 N72-20915
US-PATENT-CLASS-148-188	c24 N71-10560 c09 N71-12513	US-PATENT-CLASS-165-155	c33 N72-20915
US-PATENT-CLASS-148-188	c23 N71-16212	US-PATENT-CLASS-165-161	c33 N72-20915
US-PATENT-CLASS-149-1	c06 N73-30097	US-PATENT-CLASS-165-174	c33 N72-20915
US-PATENT-CLASS-149-2	c12 N70-40124	US-PATENT-CLASS-165-185	c28 N73-32606
US-PATENT-CLASS-149-19	c27 N71-14090	US-PATENT-CLASS-169-28	c12 N72-21310 c12 N72-21310
US-PATENT-CLASS-149-19	c27 N72-25699 c27 N73-16764	US-PATENT-CLASS-169-36	c15 N73-13463
US-PATENT-CLASS-149-19	c27 N72-25699	US-PATENT-CLASS-174-DIG.6	c26 N73-26752
US-PATENT-CLASS-149-36	c27 N72-25699	US-PATENT-CLASS-174-DIG.6	c26 N73-32571
US-PATENT-CLASS-149-36	c27 N73-16764	US-PATENT-CLASS-174-18	c09 N69-21542
US-PATENT-CLASS-149-36	c06 N73-30097	US-PATENT-CLASS-174-28	c07 N71-27191
US-PATENT-CLASS-149-92	c27 N72-25699	US-PATENT-CLASS-174-35	c07 N71-19436 c09 N72-22198
US-PATENT-CLASS-149-109	c27 N70-41897 c31 N71-18611	US-PATENT-CLASS-174-525	c15 N73-14469
US-PATENT-CLASS-152-11	c15 N71-27091	US-PATENT-CLASS-174-68.5	c15 N70-41960
US-PATENT-CLASS-152-250	c15 N71-27091	US-PATENT-CLASS-174-72	c03 N69-21539
US-PATENT-CLASS-156-3	c17 N71-16044	US-PATENT-CLASS-174-84	c15 N72-17455
US-PATENT-CLASS-156-3	c15 N71-21404	US-PATENT-CLASS-174-106R	c09 N72-22198 c14 N71-27186
US-PATENT-CLASS-156-3	c15 N71-24047 c06 N72-21094	US-PATENT-CLASS-174-110.3 US-PATENT-CLASS-174-115	c09 N70-38201
US-PATENT-CLASS-156-3	c26 N73-26752	US-PATENT-CLASS-174-117FP	c09 N72-22198
US-PATENT-CLASS-156-60	c15 N71-22713	US-PATENT-CLASS-174-126CP	c26 N73-32571
US-PATENT-CLASS-156-66	c15 N72-11392	US-PATENT-CLASS-175-26	c15 N73-32362
US-PATENT-CLASS-156-84	c15 N72-16330	US-PATENT-CLASS-175-310	c15 N7C-42034
US-PATENT-CLASS-156-86	c15 N72-16330	US-PATENT-CLASS-175-323	c14 N69-21923 c24 N72-33681
US-PATENT-CLASS-156-172	c15 N71-17651 c03 N71-26726	US-PATENT-CLASS-176-17	c14 N70-34669
US-PATENT-CLASS-156-212	c15 N69-24322	US-PATENT-CLASS-176-19	c14 N70-36808
US-PATENT-CLASS-156-250	c03 N72-25019	US-PATENT-CLASS-176-35	c22 N70-34501
US-PATENT-CLASS-156-264	c05 N72-25121	US-PATENT-CLASS-176-45	c22 N71-28759
US-PATENT-CLASS-156-285	c15 N71-23052	US-PATENT-CLASS-176-52	c22 N70-34572 c22 N72-20597
US-PATENT-CLASS-156-285	c18 N73-30532 c05 N72-25121	US-PATENT-CLASS-176-86G	c22 N72-20557
US-PATENT-CLASS-156-308	c15 N72-11392	US-PATENT-CLASS-176-169	c22 N73-32528
US-PATENT-CLASS-156-345	c15 N70-42033	US-PATENT-CLASS-177-210	c14 N71-10773
US-PATENT-CLASS-156-510	c15 N71-17687	US-PATENT-CLASS-178-DIG.6	c10 N73-13235
US-PATENT-CLASS-156-510	c03 N72-25019	US-PATENT-CLASS-178-DIG.8	c14 N72-25412 c07 N72-12081
US-PATENT-CLASS-156-545	c15 N71-24164	US-PATENT-CLASS-178-DIG.12 US-PATENT-CLASS-178-DIG.20	c23 N72-27728
US-PATENT-CLASS-161-7	c18 N72-25540 c18 N72-25541	US-PATENT-CLASS-178-DIG-21	c16 N72-13437
US-PATENT-CLASS-161-7	c33 N72-17947	US-PATENT-CLASS-178-DIG.23	c07 N73-30115
US-PATENT-CLASS-161-68	c18 N71-21651	US-PATENT-CLASS-178-DIG.28	c08 N72-22164
US-PATENT-CLASS-161-68	c18 N72-25540	US-PATENT-CLASS-178-DIG.36	c08 N72-22164
US-PATENT-CLASS-161-68	c18 N72-25541	US-PATENT-CLASS-178-5.2R	c09 N71-28618 c07 N72-17109
US-PATENT-CLASS-161-69	c33 N71-24858 c17 N71-28747	US-PATENT-CLASS-178-5.2R	c07 N72-17109
US-PATENT-CLASS-161-89	c18 N73-12604	US-PATENT-CLASS-178-6	c07 N71-19433
US-PATENT-CLASS-161-115	c18 N70-41583	US-PATENT-CLASS-178-6	c09 N71-19449
US-PATENT-CLASS-161-127	c18 N72-25540	US-PATENT-CLASS-178-6	c07 N71-23026
US-PATENT-CLASS-161-127	c18 N72-25541	US-PATENT-CLASS-178-6	c07 N71-26579 c07 N72-12081
US-PATENT-CLASS-161-161	c33 N71-25351 c15 N69-39735	US-PATENT-CLASS-178-6	c16 N72-13437
US-PATENT-CLASS-161-182	c23 N71-15978	US-PATENT-CLASS-178-6	c10 N73-13235
US-PATENT-CLASS-161-214	c06 N73-27980	US-PATENT-CLASS-178-6.5	c23 N72-27728
US-PATENT-CLASS-161-227	c06 N73-27980	US-PATENT-CLASS-178-6.6	c07 N71-11300
US-PATENT-CLASS-165-1	c09 N70-41717	US-PATENT-CLASS-178-6.6	c07 N71-26102 c07 N73-30115
US-PATENT-CLASS-165-2	c33 N71-24876	US-PATENT-CLASS-178-6.6DD	c07 N73-30115 c07 N72-17109
US-PATENT-CLASS-165-3	c03 N72-28025 c33 N71-24276	US-PATENT-CLASS-178-6.8	c08 N72-22164
US-PATENT-CLASS-165-12	c03 N72-28025	US-PATENT-CLASS-178-6.8	c14 N72-25412
US-PATENT-CLASS-165-32	c31 N73-30829	US-PATENT-CLASS-178-6.8	c07 N73-30115
US-PATENT-CLASS-165-32	c33 N73-32818	US-PATENT-CLASS-178-7.1	c07 N71-24612
US-PATENT-CLASS-165-44	c15 N71-26611	US-PATENT-CLASS-178-7.1	c07 N71-27341 c09 N72-17156
US-PATENT-CLASS-165-46	c05 N71-19439	US-PATENT-CLASS-178-7.1	c14 N70-41807
US-PATENT-CLASS-165-46	c05 N71-24147 c05 N73-20137	US-PATENT-CLASS-176-7.2	c08 N72-22164
US-PATENT-CLASS-165-46	c05 N73-26071	US-PATENT-CLASS-178-7.3	c07 N71-27341
US-PATENT-CLASS-165-47	c33 N71-29052	US-PATENT-CLASS-178-7.3	c07 N72-12081
US-PATENT-CLASS-165-47	c31 N73-30829	US-PATENT-CLASS-178-7.5E	c10 N72-31273 c09 N71-12539
US-PATENT-CLASS-165-86	c15 N71-26611	US-PATENT-CLASS-178-7.7	JUJ BIT-12333

"C PARTY		1	
US-PATENT-CLASS-178-7.92	c14 N72-25414	US-PATENT-CLASS-188-65.1	c15 N73-25512
US-PATENT-CLASS-178-18	c10 N73-32143	US-PATENT-CLASS-188-65.5	c15 N71-27067
US-PATENT-CLASS-178-50	c08 N72-18184	US-PATENT-CLASS-188-87	c12 N71-16894
US-PATENT-CLASS-178-50	c08 N72-25208	US-PATENT-CLASS-188-88	c15 N71-26611
US-PATENT-CLASS-178-52	c08 N72-22162	US-PATENT-CLASS-188-103	c15 N71-27146
US-PATENT-CLASS-178-54CF	c09 N71-28618	US-PATENT-CLASS-188-129	c15 N72-17450
US-PATENT-CLASS-178-54PE	c09 N71-28618	US-PATENT-CLASS-188-266	c15 N73-25513
US-PATENT-CLASS-178-66	c09 N71-25866	US-PATENT-CLASS-188-268	c15 N72-20443
US-PATENT-CLASS-178-66	c08 N72-18184	US-PATENT-CLASS-189-36	c15 N70-36947
US-PATENT-CLASS-178-67	c08 N70-41961	US-PATENT-CLASS-192-43.1	c15 N71-17805
US-PATENT-CLASS-178-69.5	c07 N71-11281	US-PATENT-CLASS-195-28N	c06 N72-25149
US-PATENT-CLASS-178-69.5	c10 N71-19468	US-PATENT-CLASS-195-66R	c06 N73-27086
US-PATENT-CLASS-178-69.5	c10 N71-25865	HC-DIMBUM CV 100 405 60	
US-PATENT-CLASS-178-69.5	c10 N71-33407	US-PATENT-CLASS-195-68	c04 N69-27487
US-PATENT-CLASS-178-69.5	c07 N72-25173	HC DAMPAG CTACO ACC ACC CC	c06 N71-17705
US-PATENT-CLASS-178-69.5	c07 N73-13149	HC DAMBUM OF LCG 405 405	c06 N72-25149
US-PATENT-CLASS-178-69.5	CO9 N73-28084	70 515577	c15 N72-21465
US-PATENT-CLASS-178-69.5R	c07 N72-20140	TIC-DAMPAND CALCO 405 407	c11 N72-25284
US-PATENT-CLASS-178-88	c07 N71-12392	US-PATENT-CLASS-195-127 US-PATENT-CLASS-195-127	c14 N72-25413
US-PATENT-CLASS-179-1	c07 N71-26181	HC DIMBUM CTICG 405 405	c15 N73-20514
US-PATENT-CLASS-179-1		US-PATENT-CLASS-195-127	C05 N73-32011
	c31 N71-33160	US-PATENT-CLASS-200-6	c10 N71-15909
NO DIMPHE 67166 470 47	c10 N73-12244	US-PATENT-CLASS-200-6	c09 N71-16089
NC DAMBUM CTACK 470 40.	c07 N71-33108	US-PATENT-CLASS-200-19	c09 N70-39915
NC DIMENUM CTICC 400 4	c10 N73-25240	US-PATENT-CLASS-200-39	c03 N70-38713
US-PATENT-CLASS-179-1VC	c07 N71-33108	US-PATENT-CLASS-200-61.42	c09 N71-12518
US-PATENT-CLASS-179-15	c07 N69-39978	US-PATENT-CLASS-200-61.45	c14 N70-41812
US-PATENT-CLASS-179-15	c07 N71-20814	US-PATENT-CLASS-200-64	c15 N72-17455
US-PATENT-CLASS-179-15	c07 N71-24621	US-PATENT-CLASS-200-81.9M	c09 N72-20199
US-PATENT-CLASS-179-15	c07 N71-24622	US-PATENT-CLASS-200-81R	c09 N72-22204
US-PATENT-CLASS-179-15	c08 N72-18184	US-PATENT-CLASS-200-82	c10 N71-23663
US-PATENT-CLASS-179-15.55R	c08 N72-11171	US-PATENT-CLASS-200-82C	c09 N72-22204
US-PATENT-CLASS-179-15.55R	c08 N72-33172	US-PATENT-CLASS-200-152	c09 N71-19610
US-PATENT-CLASS-179-15A	c08 N72-22162	US-PATENT-CLASS-202-182	c05 N71-19610
US-PATENT-CLASS-179-15A	c07 N73-26118	US-PATENT-CLASS-202-234	c15 N71-11207
US-PATENT-CLASS-179-15AN	c07 N73-16121	US-PATENT-CLASS-204-20	c18 N71-16210
US-PATENT-CLASS-179-15BC	c08 N72-25208	HC-DAMPNM CTAGG OCH OC	
US-PATENT-CLASS-179-15BC	c07 N73-16121	US-PATENT-CLASS-204-33	c09 N71-28691
US-PATENT-CLASS-179-15BL	c08 N72-22162	US-PATENT-CLASS-204-37	c17 N71-25903
US-PATENT-CLASS-179-15BM	c07 N73-26118	70 DAMESUM AND	c33 N71-29151
US-PATENT-CLASS-179-15BS	c10 N71-33407	HC-DAMBUM GT 100 000 00	c17 N71-24830
US-PATENT-CLASS-179-15BS	c07 N72-20140	70 71 77 77 77	c15 N72-25452
US-PATENT-CLASS-179-15BS	c07 N73-30115	HC-Dampym Grade Con 420	c15 N72-21466
US-PATENT-CLASS-179-15BV	c07 N72-25172	US-PATENT-CLASS-204-130 US-PATENT-CLASS-204-157.18AG	c15 N72-21466
US-PATENT-CLASS-179-15FD	c08 N72-25208		c15 N72-25452
US-PATENT-CLASS-179-15FS	c07 N73-28012	HC-DAMENT GIAGG CON 400	c24 N71-25555
US-PATENT-CLASS-179-100.2	c09 N69-24329	HC-DAMENM-CTACC 20/ 400	c15 N73-12487
.US-PATENT-CLASS-179-100.2	c09 N71-25866	US-PATENT-CLASS-204-192	c17 N73-24569
US-PATENT-CLASS-179-100.2	c08 N71-27210	HC-DAMBNM-CTACC-204 2C2	c14 N71-17575 c14 N71-28933
US-PATENT-CLASS-179-100.2	c08 N71-27255	US-PATENT-CLASS-204-28	c15 N70-34967
US-PATENT-CLASS-179-100.2A	c21 N73-13644	US-PATENT-CLASS-204-298	c09 N71-26701
US-PATENT-CLASS-179-100.2K	c07 N72-21119	US-PATENT-CLASS-204-298	c15 N72-32487
US-PATENT-CLASS-179-100-2CA	c09 N72-11224	US-PATENT-CLASS-204-305	c03 N71-24718
US-PATENT-CLASS-179-100-2MD	c09 N72-11224	US-PATENT-CLASS-204-324	c33 N73-16918
US-PATENT-CLASS-179-175.1A	c14 N73-27379	US-PATENT-CLASS-204-325	c33 N73-16918
US-PATENT-CLASS-180-6.5	c11 N73-26238	US-PATENT-CLASS-204-328	c33 N73-16918
US-PATENT-CLASS-180-7R	c11 N73-26238	US-PATENT-CLASS-209-10	c15 N71-20440
US-PATENT-CLASS-180-8A	c11 N73-26238	US-PATENT-CLASS-209-349	c15 N72-22483
US-PATENT-CLASS-180-9.2R	c11 N73-26238	US-PATENT-CLASS-210-103	c05 N72-27102
US-PATENT-CLASS-180-9.5	c11 N73-26238	US-PATENT-CLASS-210-104	c05 N72-27102
US-PATENT-CLASS-180-41	c11 N73-26238	US-PATENT-CLASS-210-110	c05 N72-27102
US-PATENT-CLASS-180-105E	c11 N72-20244	EC Dimpum Gride 040 445	c05 N72-27102
US-PATENT-CLASS-180-118	c31 N71-15689	US-PATENT-CLASS-210-137	c12 N72-27102
US-PATENT-CLASS-180-121	c31 N71-15689	MC_DAMPUM_CIACC_040_040	c03 N72-20033
US-PATENT-CLASS-180-125	c15 N72-17451	US-PATENT-CLASS-210-212	c28 N70-41447
US-PATENT-CLASS-180-127	c15 N72-17451	US-PATENT-CLASS-210-445	c15 N72-11389
US-PATENT-CLASS-1815	c11 N71-28779	US-PATENT-CLASS-212-11	
US-PATENT-CLASS-181-52	c28 N70-41582	US-PATENT-CLASS-212-134	c32 N71-17609
US-PATENT-CLASS-182-5	c15 N73-25512	US-PATENT-CLASS-214-1	c15 N72-11388
US-PATENT-CLASS-182-10	c15 N71-27067	TO DIMPUM CTICS OF A	c32 N70-41367
US-PATENT-CLASS-182-191	c05 N71-11199	HC DAMENT OF LCC CAR CAR	c15 N72-28495
US-PATENT-CLASS-184-1	c15 N71-23048	US-PATENT-CLASS-214-90R	c03 N72-25021
US-PATENT-CLASS-187-1	c15 N72-25453		c11 N71-15925
US-PATENT-CLASS-187-7.1	c07 N71-24742	US-PATENT-CLASS-219-19	c33 N70-34812 c09 N70-33312
US-PATENT-CLASS-187-20	c15 N72-25453	US-PATENT-CLASS-219-50	
US-PATENT-CLASS-187-95	c15 N72-25453	US-PATENT-CLASS-219-62	c14 N73-26430 c15 N73-28515
US-PATENT-CLASS-188-1	c15 N70-34861	US-PATENT-CLASS-219-72	c15 N71-14932
US-PATENT-CLASS-188-1	c15 N70-38601	US-PATENT-CLASS-219-85	c15 N72-22491
US-PATENT-CLASS-188-1	c15 N70-40354	US-PATENT-CLASS-219-85	c15 N72-23497
US-PATENT-CLASS-188-1	c14 N71-17626	US-PATENT-CLASS-219-91	c15 N71-18613
US-PATENT-CLASS-188-1	c15 N71-22877	US-PATENT-CLASS-219-91	c15 N73-32358
US-PATENT-CLASS-188-1	c14 N71-23092	US-PATENT-CLASS-219-101	c15 N73-14468
US-PATENT-CLASS-188-1	c15 N71-26243	US-PATENT-CLASS-219-107	c15 N73-28515
US-PATENT-CLASS-188-1	c15 N71-27146	US-PATENT-CLASS-219-109	c15 N72-23497
US-PATENT-CLASS-188-1	c15 N71-27169	US-PATENT-CLASS-219-117	c15 N73-32358
US-PATENT-CLASS-188-1B	c15 N72-20443	US-PATENT-CLASS-219-119	c15 N73-32338
US-PATENT-CLASS-188-1C		NO DIMENS STATE AND ADD	
	c15 N72-17450	US-PATENT-CLASS-219-121	c15 N69-21471
US-PATENT-CLASS-188-1C	c15 N72-20443	US-PATENT-CLASS-219-121	c15 N69-21471 c33 N70-34540
US-PATENT-CLASS-188-1C	c15 N72-20443 c15 N73-30460	US-PATENT-CLASS-219-121US-PATENT-CLASS-219-121	
TC DIFFRUM GTICE 400 4-	c15 N72-20443	US-PATENT-CLASS-219-121	c33 N70-34540

US-PATENT-CLASS-219-121	c15 N71-27135	US-PATENT-CLASS-235-92T	c03 N72-25020
US-PATENT-CLASS-219-121P	c15 N72-32487	US-PATENT-CLASS-235-92T	c08 N73-20217
US-PATENT-CLASS-219-125	c15 N71-23815	US-PATENT-CLASS-235-150.1	c08 N71-29033
US-PATENT-CLASS-219-130	c15 N71-23798 c15 N71-15871	US-PATENT-CLASS-235-150.1	c08 N72-31226
US-PATENT-CLASS-219-131	c15 N70-34814	US-PATENT-CLASS-235-150.2	c08 N71-29033 c02 N71-13421
US-PATENT-CLASS-219-158	c15 N72-22491	US-PATENT-CLASS-235-150.25	c21 N71-21688
US-PATENT-CLASS-219-203	c11 N73-12265	US-PATENT-CLASS-235-150.27	c08 N71-29033
US-PATENT-CLASS-219-221	c15 N72-11392 c15 N71-27214	US-PATENT-CLASS-235-150.52	c08 N72-22165
US-PATENT-CLASS-219-234	c15 N72-22491	US-PATENT-CLASS-235-150.53	c08 N72-22165 c07 N73-13149
US-PATENT-CLASS-219-234	c15 N72-23497	US-PATENT-CLASS-235-151.1	c08 N71-29033
US-PATENT-CLASS-219-243	c15 N72-11392	US-PATENT-CLASS-235-151.1	c08 N72-31226
US-PATENT-CLASS-219-273	c15 N72-32487 c15 N71-20395	US-PATENT-CLASS-235-151.27	c08 N73-25206
US-PATENT-CLASS-219-347	c15 N69-27871	US-PATENT-CLASS-235-151.31	c10 N73-25240 c07 N71-24741
US-PATENT-CLASS-219-347	c33 N70-34545	US-PATENT-CLASS-235-152	c08 N72-20176
US-PATENT-CLASS-219-348	c15 N73-27405 c33 N71-16278	US-PATENT-CLASS-235-152	c08 N72-22167
US-PATENT-CLASS-219-384	c33 N71-10278	US-PATENT-CLASS-235-152 US-PATENT-CLASS-235-152	c08 N72-25210 c08 N73-12175
US-PATENT-CLASS-219-411	c17 N69-25147	US-PATENT-CLASS-235-152	c09 N73-12175
US-PATENT-CLASS-219-413	c14 N71-28958	US-PATENT-CLASS-235-152	c08 N73-26175
US-PATENT-CLASS-219-499	c14 N73-26430 c14 N71-27058	US-PATENT-CLASS-235-152IE	c08 N73-32081
US-PATENT-CLASS-219-522	c11 N73-12265	US-PATENT-CLASS-235-153	c08 N71-24633 c08 N72-22166
US-PATENT-CLASS-219-530	c33 N71-25353	US-PATENT-CLASS-235-154	c08 N70-34778
US-PATENT-CLASS-226-1	c31 N71-17680	US-PATENT-CLASS-235-154	c10 N71-23662
US-PATENT-CLASS-220-5R US-PATENT-CLASS-220-9	c15 N72-22486 c23 N71-22881	US-PATENT-CLASS-235-154 US-PATENT-CLASS-235-154	c08 N72-18184
US-PATENT-CLASS-220-9	c18 N71-23658	US-PATENT-CLASS-235-154	c08 N72-25206 c08 N71-24890
US-PATENT-CLASS-220-9	c15 N71-23816	US-PATENT-CLASS-235-155	c08 N72-21197
US-PATENT-CLASS-220-9	c33 N71-25351	US-PATENT-CLASS-235-155	c08 N73-12176
US-PATENT-CLASS-220-14 US-PATENT-CLASS-220-15	c15 N69-39935 c31 N71-15664	US-PATENT-CLASS-235-156 US-PATENT-CLASS-235-158	c08 N71-18693
US-PATENT-CLASS-220-46	c15 N71-27068	US-PATENT-CLASS-235-158	c08 N71-19437 c08 N71-33110
US-PATENT-CLASS-220-55	c15 N69-27502	US-PATENT-CLASS-235-164	c08 N73-26175
US-PATENT-CLASS-220-63	c11 N70-38182	US-PATENT-CLASS-235-175	c08 N71-18602
US-PATENT-CLASS-220-67	c15 N71-10577 c11 N71-15960	US-PATENT-CLASS-235-175 US-PATENT-CLASS-235-176	c08 N71-33110
US-PATENT-CLASS-220-89	c11 N71-17600	US-PATENT-CLASS-235-176	c08 N70-34787 c07 N71-21476
US-PATENT-CLASS-222-45	c14 N70-40233	US-PATENT-CLASS-235-181	c07 N73-13149
US-PATENT-CLASS-222-49 US-PATENT-CLASS-222-61	c14 N71-27005	US-PATENT-CLASS-235-183	c08 N72-22165
US-PATENT-CLASS-222-61	c27 N71-29155 c15 N72-21465	US-PATENT-CLASS-235-186 US-PATENT-CLASS-235-194	c10 N73-26230
US-PATENT-CLASS-222-135	c15 N72-21465	US-PATENT-CLASS-235-194	c09 N71-19480 c08 N72-22165
US-PATENT-CLASS-222-137	c14 N71-27005	US-PATENT-CLASS-235-194	c10 N73-26230
US-PATENT-CLASS-222-309	c15 N72-21465 c15 N70-38996	US-PATENT-CLASS-235-197	c08 N72-22165
US-PATENT-CLASS-222-414	c14 N73-27378	US-PATENT-CLASS-235-197	c09 N72-23173 c10 N73-20253
US-PATENT-CLASS-224-25	c05 N71-12351	US-PATENT-CLASS-235-197	c10 N73-20233
US-PATENT-CLASS-224-25A	c05 N72-23085	US-PATENT-CLASS-235-201	c10 N71-25899
US-PATENT-CLASS-225-1	c15 N71-17628 c26 N71-14354	US-PATENT-CLASS-236-1 US-PATENT-CLASS-236-68	c33 N71-16357
US-PATENT-CLASS-226-58	c14 N71-28935	US-PATENT-CLASS-236-68	c15 N72-12409 c05 N71-28619
US-PATENT-CLASS-226-190	c08 N71-19420	US-PATENT-CLASS-239-127.1	c28 N71-23968
US-PATENT-CLASS-228-7	c15 N71-15607	US-PATENT-CLASS-239-127.1	c28 N73-32606
US-PATENT-CLASS-228-8 US-PATENT-CLASS-228-9	c15 N71-23050 c15 N71-20393	US-PATENT-CLASS-239-265.11	c18 N71-21068
US-PATENT-CLASS-228-50	c15 N70-39924	US-PATENT-CLASS-239-265.19	c28 N71-21493 c28 N72-11708
US-PATENT-CLASS-228-50	c15 N70-40204	US-PATENT-CLASS-239-265.43	c28 N71-16224
US-PATENT-CLASS-228-53	c15 N71-27214	US-PATENT-CLASS-239-265.43	c28 N72-11708
US-PATENT-CLASS-228-57	c15 N72-22491 c32 N73-13921	US-PATENT-CLASS-239-416 US-PATENT-CLASS-239-416	c15 N69-23185
. US-PATENT-CLASS-230-54	c11 N72-22245	US-PATENT-CLASS-239-416	c15 N71-17654 c28 N72-23809
US-PATENT-CLASS-230-162	c33 N71-17610	US-PATENT-CLASS-239-424	c15 N72-25455
US-PATENT-CLASS-230-221 US-PATENT-CLASS-233-11	c11 N72-22245	US-PATENT-CLASS-239-433	c28 N72-23809
US-PATENT-CLASS-235-10.2	c15 N71-16079 c08 N73-25206	US-PATENT-CLASS-239-543US-PATENT-CLASS-240-1.2	c28 N72-23809
US-PATENT-CLASS-235-61.6	c01 N71-13411	US-PATENT-CLASS-240-1.2	c11 N70-33329 c09 N71-26787
US-PATENT-CLASS-235-61.6	c15 N71-21179	US-PATENT-CLASS-240-11.4	c09 N71-26787
US-PATENT-CLASS-235-61NV	c08 N72-11172 c08 N71-22897	US-PATENT-CLASS-240-51.11	c09 N71-26787
US-PATENT-CLASS-235-92	c08 N71-24891	US-PATENT-CLASS-242-54 US-PATENT-CLASS-242-55.19	c15 N72-18477
US-PATENT-CLASS-235-92	c10 N71-27137	US-PATENT-CLASS-242-55.19	c14 N70-41647 c07 N71-10609
US-PATENT-CLASS-235-92	c14 N71-27215	US-PATENT-CLASS-242-192	c14 N71-23698
US-PATENT-CLASS-235-92CC US-PATENT-CLASS-235-92CV	c08 N72-20176 c08 N73-25206	US-PATENT-CLASS-244-ISS	c03 N72-20031
US-PATENT-CLASS-235-92DE	c08 N72-20176	US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	c31 N69-27499 c03 N70-33343
US-PATENT-CLASS-235-92DM	c08 N72-20176	US-PATENT-CLASS-244-1	c33 N70-33344
US-PATENT-CLASS-235-92DN	c08 N73-25206	US-PATENT-CLASS-244-1	c03 N70-34157
US-PATENT-CLASS-235-92EA	c08 N73-25206 c08 N73-25206	US-PATENT-CLASS-244-1	c31 N70-34176
US-PATENT-CLASS-235-92FQ	c08 N73-25206	US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	c21 N70-34295 c31 N70-34296
US-PATENT-CLASS-235-92LG	c08 N72-20176	US-PATENT-CLASS-244-1	c21 N70-35395
US-PATENT-CLASS-235-92HT US-PATENT-CLASS-235-92HT	c08 N72-31226	US-PATENT-CLASS-244-1	c31 N70-36410
US-PATENT-CLASS-235-92R	c32 N73-26910 c08 N72-20176	US-PATENT-CLASS-244-1	c33 N70-36617
US-PATENT-CLASS-235-92R	c08 N73-20217	US-PATENT-CLASS-244-1US-PATENT-CLASS-244-1	c21 N70-36943 c31 N70-37924
US-PATENT-CLASS-235-92R	c08 N73-25206	US-PATENT-CLASS-244-1	c31 N70-37938

US-PATENT-CLASS-244-1	c31 N70-37986	US-PATENT-CLASS-244-44	c02 N71-11038
US-PATENT-CLASS-244-1	c31 N70-38676	US-PATENT-CLASS-244-45	c02 N71-12243
US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1		US-PATENT-CLASS-244-46 US-PATENT-CLASS-244-46	c02 N70-33266 c02 N70-33286
US-PATENT-CLASS-244-1	24 420 44500	US-PATENT-CLASS-244-46	c02 N70-34178
US-PATENT-CLASS-244-1		US-PATENT-CLASS-244-46	c02 N70-34858
US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	04 430 44054	US-PATENT-CLASS-244-46	c31 N70-38010 c02 N70-38011
US-PATENT-CLASS-244-1	24 470 40075	US-PATENT-CLASS-244-46	c02 N71-11041
US-PATENT-CLASS-244-1		US-PATENT-CLASS-244-46	c02 N73-26005
US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1		US-PATENT-CLASS-244-50 US-PATENT-CLASS-244-51	c02 N70-34160 c02 N70-34856
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US-PATENT-CLASS-244-1	04 45.44	US-PATENT-CLASS-244-55	c02 N73-26005
US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	24 45.50.	US-PATENT-CLASS-244-57	c15 N71-26611 c02 N73-26004
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US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	24 454 46245	US-PATENT-CLASS-244-76 US-PATENT-CLASS-244-76C	c02 N71-20570 c02 N73-26004
US-PATENT-CLASS-244-1	24 1174 45246	US-PATENT-CLASS-244-77	c32 N71-23971
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US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	22 474 22722	US-PATENT-CLASS-244-100	c31 N70-36845 c02 N70-41589
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US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-1	44 474 6564	US-PATENT-CLASS-244-113 US-PATENT-CLASS-244-114	c31 N71-25434 c21 N72-22619
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US-PATENT-CLASS-244-1SA	04 450 05505	US-PATENT-CLASS-244-150	c15 N71-24600 c02 N70-36804
US-PATENT-CLASS-244-1SA		US-PATENT-CLASS-244-155	c30 N73-12884
US-PATENT-CLASS-244-1SA US-PATENT-CLASS-244-1SA	04 440 00440	US-PATENT-CLASS-244-155 US-PATENT-CLASS-248-14	c31 N73-14854
US-PATENT-CLASS-244-1SA US-PATENT-CLASS-244-1SB	45 000 40006	US-PATENT-CLASS-248-14	c15 N72-17454 c14 N69-27486
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US-PATENT-CLASS-244-1SD US-PATENT-CLASS-244-1SS	44 40	US-PATENT-CLASS-248-20	c15 N72-11391
US-PATENT-CLASS-244-1SS	A2 WE2 00030	US-PATENT-CLASS-248-27	c15 N71-20813 c11 N70-35383
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US-PATENT-CLASS-244-1SS US-PATENT-CLASS-244-1SS	24	US-PATENT-CLASS-248-183	c14 N71-26627 c15/N72-11386
US-PATENT-CLASS-244-1SS US-PATENT-CLASS-244-1SS		US-PATENT-CLASS-248-183	c15/ N72-11386
US-PATENT-CLASS-244-3.14		US-PATENT-CLASS-248-188.9	c31 N70-34159
US-PATENT-CLASS-244-3.21 US-PATENT-CLASS-244-3.22		US-PATENT-CLASS-248-278 US-PATENT-CLASS-248-317	c15 N72-11386 c11 N69-27466
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US-PATENT-CLASS-244-4	c05 N69-21380	US-PATENT-CLASS-248-358	c15 N70-40156
US-PATENT-CLASS-244-4 US-PATENT-CLASS-244-4		US-PATENT-CLASS-248-358	c23 N71-15673 c15 N71-24694
US-PATENT-CLASS-244-12		US-PATENT-CLASS-248-358	c15 N71-24694
US-PATENT-CLASS-244-13		US-PATENT-CLASS-248-361	c05 N71-28619
US-PATENT-CLASS-244-13 US-PATENT-CLASS-244-14		US-PATENT-CLASS-248-487 US-PATENT-CLASS-250-41.9	c15 N72-11386 c06 N71-13461
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US-PATENT-CLASS-244-16		US-PATENT-CLASS-250-41.9	c14 N71-23041
US-PATENT-CLASS-244-17.13 US-PATENT-CLASS-244-23		US-PATENT-CLASS-250-41.9	c14 N71-28863 c14 N72-17328
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US-PATENT-CLASS-244-31		US-PATENT-CLASS-250-41.9D	c14 N72-29464
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US-PATENT-CLASS-244-42 US-PATENT-CLASS-244-43		US-PATENT-CLASS-250-43.5	c15 N71-24896 c14 N71-25901
US-PATENT-CLASS-244-43		US-PATENT-CLASS-250-43.5FC	c14 N71-25901 c14 N72-11365

US-PATENT-CLASS-250-43.5R	c14 N71-27090	US-PATENT-CLASS-250-206	-44 454 0000
US-PATENT-CLASS-250-43.5R	c14 N72-21408	US-PATENT-CLASS-250-206	c10 N71-20782 c14 N71-21040
US-PATENT-CLASS-250-43.5R	c06 N72-25146	US-PATENT-CLASS-250-207	c14 N72-17328
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US-PATENT-CLASS-250-49.5 US-PATENT-CLASS-250-49.5B	c14 N72-17328	US-PATENT-CLASS-250-209	c20 N71-16340
US-PATENT-CLASS-250-49.5E	.c24 N72-11595 c24 N72-11595	US-PATENT-CLASS-250-209 US-PATENT-CLASS-250-209	c10 N72-17173
US-PATENT-CLASS-250-51	c24 N72-11595	US-PATENT-CLASS-250-209	c14 N72-25409 c14 N73-16483
US-PATENT-CLASS-250-51.5	c23 N73-13662	US-PATENT-CLASS-250-209	c14 N73-26432
US-PATENT-CLASS-250-51.5	c14 N73-28491 c15 N71-15606	US-PATENT-CLASS-250-209 US-PATENT-CLASS-250-209	c14 N73-28490
US-PATENT-CLASS-250-52	c11 N71-23042	US-PATENT-CLASS-250-211J	c21 N73-30640 c09 N72-17152
US-PATENT-CLASS-250-52 US-PATENT-CLASS-250-52	c24 N72-11595 c23 N73-13662	US-PATENT-CLASS-250-211J	c09 N73-14214
US-PATENT-CLASS-250-52	c15 N72-25452	US-PATENT-CLASS-250-212 US-PATENT-CLASS-250-212	c03 N71-23354 c03 N73-20040
US-PATENT-CLASS-250-65R	c14 N73-30389	US-PATENT-CLASS-250-212	c09 N73-32109
US-PATENT-CLASS-250-71	c14 N70-41676 c14 N72-17328	US-PATENT-CLASS-250-214	c14 N73-25462
US-PATENT-CLASS-250-71.5R	c14 N72-17328	US-PATENT-CLASS-250-214 US-PATENT-CLASS-250-214R	c14 N73-25462 c14 N73-28490
US-PATENT-CLASS-250-71R	c06 N73-16106	US-PATENT-CLASS-250-215	c14 N73-26490
US-PATENT-CLASS-250-83 US-PATENT-CLASS-250-83	c14 N69-27484 c14 N69-39937	US-PATENT-CLASS-250-217	c14 N69-39896
US-PATENT-CLASS-250-83	c09 N71-18830	US-PATENT-CLASS-250-217 US-PATENT-CLASS-250-217F	c14 N73-16483
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US-PATENT-CLASS-250-83 US-PATENT-CLASS-250-83	c14 N71-20430	US-PATENT-CLASS-250-217SS	c09 N73-14214
US-PATENT-CLASS-250-83	c14 N71-23401 c09 N71-27232	US-PATENT-CLASS-250-218 US-PATENT-CLASS-250-218	c14 N71-22996
US-PATENT-CLASS-250-83.3	c21 N70-33181	US-PATENT-CLASS-250-219	c14 N71-28994 c14 N71-28993
US-PATENT-CLASS-250-83.3	c21 N70-34297	US-PATENT-CLASS-250-219TH	c26 N73-26751
US-PATENT-CLASS-250-83.3	c14 N71-15599 c14 N71-18699	US-PATENT-CLASS-250-225 US-PATENT-CLASS-250-225	c14 N71-24864
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US-PATENT-CLASS-250-83.3	c09 N71-22985	US-PATENT-CLASS-250-227	c14 N71-22991
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US-PATENT-CLASS-250-83.3	c14 N71-27323	US-PATENT-CLASS-250-229	c08 N73-30135 c14 N73-20475
US-PATENT-CLASS-250-83.3	c14 N72-17328	US-PATENT-CLASS-250-232	c23 N71-21821
US-PATENT-CLASS-250-83.3HUS-PATENT-CLASS-250-83.3H	c14 N72-21408 c14 N72-24477	US-PATENT-CLASS-250-233 US-PATENT-CLASS-250-234	c23 N71-16100
US-PATENT-CLASS-250-83.3H	c14 N73-12445	US-PATENT-CLASS-250-235	c03 N73-20040 c14 N72-11364
US-PATENT-CLASS-250-83.3H	c14 N73-20475	US-PATENT-CLASS-250-236	c21 N73-30640
US-PATENT-CLASS-250-83.3HUS-PATENT-CLASS-250-83.3R	c14 N73-25462 c14 N73-12445	US-PATENT-CLASS-250-237 US-PATENT-CLASS-250-237R	c14 N69-24331
US-PATENT-CLASS-250-83.3R	c14 N73-20477	US-PATENT-CLASS-250-239	c08 N73-30135 c08 N73-30135
US-PATENT-CLASS-250-83.3RUS-PATENT-CLASS-250-83.3UV	c14 N73-32317	US-PATENT-CLASS-250-336	c14 N73-28488
US-PATENT-CLASS-250-83.3UV	c10 N72-17173 c14 N72-25409	US-PATENT-CLASS-250-394	c14 N73-30392
US-PATENT-CLASS-250-83.30V	c06 N73-16106	US-PATENT-CLASS-250-518	c14 N73-30392 c15 N70-35407
US-PATENT-CLASS-250-83.6 US-PATENT-CLASS-250-83.6R	c10 N70-41991	US-PATENT-CLASS-251-31	c15 N71-19485
US-PATENT-CLASS-250-83.6R	c14 N71-27090 c14 N72-20381	US-PATENT-CLASS-251-61	c15 N71-10778
US-PATENT-CLASS-250-83.6R	c25 N72-33696	US-PATENT-CLASS-251-86	c12 N71-18615 c15 N72-31483
US-PATENT-CLASS-250-83R	c14 N73-12445	US-PATENT-CLASS-251-118	c15 N71-18580
US-PATENT-CLASS-250-83R	c14 N73-20477 c14 N71-24809	US-PATENT-CLASS-251-121	c15 N71-18580
US-PATENT-CLASS-250-105	c14 N70-40240	US-PATENT-CLASS-251-122	c15 N73-13462 c12 N71-18615
US-PATENT-CLASS-250-105	c14 N73-30389	US-PATENT-CLASS-251-129	c15 N72-20442
US-PATENT-CLASS-250-199	c16 N69-27491 c07 N71-12389	US-PATENT-CLASS-251-148	c15 N71-23024
US-PATENT-CLASS-250-199	c16 N71-22895	US-PATENT-CLASS-251-172	c15 N71-21234 c15 N7C-33376
US-PATENT-CLASS-250-199	c16 N71-25914	US-PATENT-CLASS-251-331	c15 N72-31483
US-PATENT-CLASS-250-199	c16 N71-27183	US-PATENT-CLASS-251-333	c15 N70-34859
US-PATENT-CLASS-250-199	c16 N73-16536	US-PATENT-CLASS-251-333	c12 N71-18615 c15 N72-20442
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US-PATENT-CLASS-250-203	c14 N69-27485	US-PATENT-CLASS-251-360	c15 N72-25451 c18 N73-26572
US-PATENT-CLASS-250-203	c07 N69-39736	US-PATENT-CLASS-252-12	c15 N71-23810
US-PATENT-CLASS-250-203	c14 N70-34158 c21 N70-35089	US-PATENT-CLASS-252-26 US-PATENT-CLASS-252-26	c15 N71-21403
US-PATENT-CLASS-250-203	c14 N70-40239	US-PATENT-CLASS-252-26	c15 N71-24046 c18 N70-39897
US-PATENT-CLASS-250-203	c21 N71-10678	US-PATENT-CLASS-252-62.3	c26 N71-23292
US-PATENT-CLASS-250-203	.c21 N71-10771 c21 N71-15642	US-PATENT-CLASS-252-300 US-PATENT-CLASS-252-301.2	c14 N72-22443
US-PATENT-CLASS-250-203	c14 N71-19568	US-PATENT-CLASS-252-301.2	c18 N71-27170 c06 N73-30097
US-PATENT-CLASS-250-203	c14 N71-23269	US-PATENT-CLASS-252-305	c06 N73-30097
US-PATENT-CLASS-250-203	c14 N71-23797 c14 N72-22444	US-PATENT-CLASS-252-408 US-PATENT-CLASS-252-431N	c14 N73-14428
US-PATENT-CLASS-250-203	c14 N73-30393	US-PATENT-CLASS-252-431N US-PATENT-CLASS-252-431R	c06 N73-32029 c06 N73-32029
US-PATENT-CLASS-250-203R	c14 N72-27409	US-PATENT-CLASS-252-514	c05 N72-25120
US-PATENT-CLASS-250-203R US-PATENT-CLASS-250-203R	c14 N73-25462 c14 N73-28490	US-PATENT-CLASS-253-39.1	c33 N71-29152
US-PATENT-CLASS-250-203R	c21 N73-30640	US-PATENT-CLASS-253-39.15 US-PATENT-CLASS-253-39.15	c15 N70-33226 c15 N70-33264
US-PATENT-CLASS-250-203X	c16 N72-13437	US-PATENT-CLASS-253-39.15	c28 N70-33372
US-PATENT-CLASS-250-205	c14 N72-27411 c09 N73-14214	US-PATENT-CLASS-253-66	c15 N70-36412
	17417 1	US-PATENT-CLASS-253-66	c28 N70-39895

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c15 N72-24522
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US-PATENT-CLASS-253-77
US-PATENT-CLASS-254-29A
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c17 N71-29137
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US-PATENT-CLASS-254-150
US-PATENT-CLASS-254-156
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US-PATENT-CLASS-254-173
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c15 N72-16329
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US-PATENT-CLASS-264-227
US-PATENT-CLASS-266-19
US-PATENT-CLASS-266-19
US-PATENT-CLASS-266-24
US-PATENT-CLASS-267-1
US-PATENT-CLASS-267-1
US-PATENT-CLASS-267-64
US-PATENT-CLASS-272-DIG.1
US-PATENT-CLASS-272-DIG.5
US-PATENT-CLASS-272-DIG.5
US-PATENT-CLASS-272-DIG.5
US-PATENT-CLASS-272-DIG.5
US-PATENT-CLASS-272-DIG.5
US-PATENT-CLASS-272-73
US-PATENT-CLASS-272-73
US-PATENT-CLASS-272-79C
US-PATENT-CLASS-273-79C
US-PATENT-CLASS-273-71E
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US-PATENT-CLASS-254-186
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                                                                                       c15 N72-25453
US-PATENT-CLASS-254-190 ......
                                                                                                                                                                                                                             c15 N70-33382
US-PATENT-CLASS-259-4
US-PATENT-CLASS-259-71
US-PATENT-CLASS-260-2
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US-PATENT-CLASS-260-2
US-PATENT-CLASS-260-2
US-PATENT-CLASS-260-2
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c06 N71-11243
c06 N71-20717
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c15 N70-38225
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US-PATENT-CLASS-260-2
US-PATENT-CLASS-260-2.1E
US-PATENT-CLASS-260-2.5
US-PATENT-CLASS-260-2.5
                                                                                       c06 N73-30102
c18 N72-22567
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                                                                                       c06 N71-11242
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                                                                                       c06 N71-24739
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                                                                                       c06 N71-25929
US-PATENT-CLASS-260-2.5
US-PATENT-CLASS-260-2.5
US-PATENT-CLASS-260-2.5
US-PATENT-CLASS-260-2.5F
US-PATENT-CLASS-260-2.5FP
US-PATENT-CLASS-260-18S
US-PATENT-CLASS-260-18S
US-PATENT-CLASS-260-30.2
US-PATENT-CLASS-260-30.8DS
US-PATENT-CLASS-260-32.6N
US-PATENT-CLASS-260-33.4R
US-PATENT-CLASS-260-33.4R
US-PATENT-CLASS-260-33.6R
US-PATENT-CLASS-260-37.00
US-PATENT-CLASS-260-2.5 .....
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                                                                                       c18 N71-26155
                                                                                                                                       US-PATENT-CLASS-273-1E .....US-PATENT-CLASS-274-4R US-PATENT-CLASS-277-13 .....
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US-PATENT-CLASS-277-13
US-PATENT-CLASS-277-25
US-PATENT-CLASS-277-25
US-PATENT-CLASS-277-25
US-PATENT-CLASS-277-27
US-PATENT-CLASS-277-27
US-PATENT-CLASS-275-74
US-PATENT-CLASS-285-DIG.21
US-PATENT-CLASS-285-DIG.21
                                                                                                                                                                                                                              c15 N71-26294
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c06 N72-25151
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c15 N71-19570
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c15 N72-29488
c15 N72-25450
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c06 N73-27980
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                                                                                       c18 N71-25881
c06 N71-11237
c06 N71-11240
US-PATENT-CLASS-260-46.5
US-PATENT-CLASS-260-46.5
US-PATENT-CLASS-260-46.5E
US-PATENT-CLASS-260-46.5E
US-PATENT-CLASS-260-46.5G
US-PATENT-CLASS-260-46.5F
US-PATENT-CLASS-260-46.5R
US-PATENT-CLASS-260-47
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US-PATENT-CLASS-285-3
US-PATENT-CLASS-285-3
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US-PATENT-CLASS-285-24
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                                                                                       c06 N72-25151
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US-PATENT-CLASS-285-27
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US-PATENT-CLASS-285-33
US-PATENT-CLASS-285-38
US-PATENT-CLASS-285-314
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US-PATENT-CLASS-285-316
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US-PATENT-CLASS-285-345
US-PATENT-CLASS-285-406
US-PATENT-CLASS-287-544
US-PATENT-CLASS-287-547
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c06 N72-25151
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c15 N71-24903
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c06 N73-27980
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c15 N72-25450
 US-PATENT-CLASS-260-47CP
US-PATENT-CLASS-260-47CP
US-PATENT-CLASS-260-47UP
US-PATENT-CLASS-260-65
US-PATENT-CLASS-260-72.5
US-PATENT-CLASS-260-72.5
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c15 N70-41629
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c06 N71-11239
c06 N71-24740
US-PATENT-CLASS-260-72.5
US-PATENT-CLASS-260-72.5
US-PATENT-CLASS-260-77.5
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US-PATENT-CLASS-260-77.5AP
US-PATENT-CLASS-260-77.5AP
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c06 N73-30103
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                                                                                         c06 N73-33076
 US-PATENT-CLASS-260-7/SAP
US-PATENT-CLASS-260-78
US-PATENT-CLASS-260-78
US-PATENT-CLASS-260-78UA
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c06 N71-11238
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c15 N71-26312
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c06 N72-25150
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US-PATENT-CLASS-260-92.1
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US-PATENT-CLASS-260-93.5A
US-PATENT-CLASS-260-93.5S
US-PATENT-CLASS-260-94.2M
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US-PATENT-CLASS-260-94.7R
US-PATENT-CLASS-260-94.7R
US-PATENT-CLASS-260-94.8
US-PATENT-CLASS-260-94.8
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US-PATENT-CLASS-260-94.8
US-PATENT-CLASS-260-94.5
US-PATENT-CLASS-260-40.5
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c05 N71-12343
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US-PATENT-CLASS-297-68
US-PATENT-CLASS-297-68
US-PATENT-CLASS-297-216
US-PATENT-CLASS-297-232
US-PATENT-CLASS-297-385
US-PATENT-CLASS-297-386
US-PATENT-CLASS-305-35EB
US-PATENT-CLASS-305-35EB
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c06 N73-32029
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c05 N71-12341
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c06 N73-32029
c06 N73-32029
c27 N73-22710
c06 N72-25149
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c03 N73-31988
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US-PATENT-CLASS-307-18
US-PATENT-CLASS-307-28
US-PATENT-CLASS-307-29
US-PATENT-CLASS-307-36
US-PATENT-CLASS-307-36
US-PATENT-CLASS-307-81
US-PATENT-CLASS-307-83
US-PATENT-CLASS-307-88
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c06 N71-28808
c06 N71-23230
 US-PATENT-CLASS-260-404.5
US-PATENT-CLASS-260-429
US-PATENT-CLASS-260-448.2
US-PATENT-CLASS-260-448.2D
US-PATENT-CLASS-260-448.2D
US-PATENT-CLASS-260-448.2D
US-PATENT-CLASS-260-485.P
US-PATENT-CLASS-260-485.P
US-PATENT-CLASS-260-535.H
US-PATENT-CLASS-260-544.P
US-PATENT-CLASS-260-567.6H
US-PATENT-CLASS-260-615
US-PATENT-CLASS-260-615
US-PATENT-CLASS-260-617
US-PATENT-CLASS-260-677
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c06 N72-27144
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US-PATENT-CLASS-307-88
US-PATENT-CLASS-307-88
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c06 N71-27254
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c09 N72-25258
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c15 N69-27483
c18 N73-14584
  US-PATENT-CLASS-261-145 ......
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US-PATENT-CLASS-307-88.5
US-PATENT-CLASS-307-88.5
US-PATENT-CLASS-307-88.5
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c10 N70-42032
  c09 N71-10673
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  US-PATENT-CLASS-264-3 ....US-PATENT-CLASS-264-22 ....US-PATENT-CLASS-264-22 US-PATENT-CLASS-264-27 .....
                                                                                         c28 N71-26779
c15 N72-20446
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c10 N71-28739
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                                                                                         c14 N72-22439
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                                                                                                                                         US-PATENT-CLASS-307-66HP
US-PATENT-CLASS-307-92
US-PATENT-CLASS-307-103
                                                                                                                                                                                                                                c09 N72-27227
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c15 N73-12489
c15 N73-12489
   US-PATENT-CLASS-264-28
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c09 N71-24892
   US-PATENT-CLASS-264-36
US-PATENT-CLASS-264-40
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US-PATENT-CLASS-307-106
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c15 N71-17803
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   US-PATENT-CLASS-264-65
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   US-PATENT-CLASS-264-92
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US-PATENT-CLASS-307-126	• • • • • • • • • • • • • • • • • • • •	c14 N71-27407	US-PATENT-CLASS-307-294	c09 N71-29139
US-PATENT-CLASS-307-136		c09 N69-27500	US-PATENT-CLASS-307-295	c10 N72-17171
US-PATENT-CLASS-307-141.		c03 N72-25020	US-PATENT-CLASS-307-295	c10 N72-20223
US-PATENT-CLASS-307-149	•••••	c09 N71-13486	US-PATENT-CLASS-307-295	c09 N72-21245
US-PATENT-CLASS-307-157	• • • • • • • • • • •	c16 N73-32391	US-PATENT-CLASS-307-295	c09 N72-33204
US-PATENT-CLASS-307-206	• • • • • • • • • •	c10 N72-22236	US-PATENT-CLASS-307-296	c08 N71-12494
US-PATENT-CLASS-307-207		c08 N71-29034	US-PATENT-CLASS-307-296	c07 N71-28430
US-PATENT-CLASS-307-207		c09 N73-13209	UC-DAMBUM CTACC 207 CCC	
US-PATENT-CLASS-307-215		c10 N71-28860	DC DIMBUM GTICE 207 000	c08 N72-21198
US-PATENT-CLASS-307-215	********	c09 N71-29139	HC DAMBUM CLACK 207 200	c26 N72-21701
US-PATENT-CLASS-307-215	•••••	c10 N72-22236	NC DIMPUM CTICE 200	c10 N71-27126
US-PATENT-CLASS-307-215	**********	c09 N73-13209	NC DIMENS CTICS 200	c08 N72-21198
US-PATENT-CLASS-307-216		c08 N71-18751	US-PATENT-CLASS-307-304	c09 N72-22201
US-PATENT-CLASS-307-220			US-PATENT-CLASS-307-304	c09 N73-20232
US-PATENT-CLASS-307-221	••••••		US-PATENT-CLASS-307-305	c09 N72-23171
US-PATENT-CLASS-307-222		c10 N73-20254	US-PATENT-CLASS-307-308	c14 N73-28488
US-PATENT-CLASS-307-222	• • • • • • • • • • • •	c09 N69-27463	US-PATENT-CLASS-307-310	c09 N73-14214
	• • • • • • • • • • • •	c08 N71-29034	US-PATENT-CLASS-307-311	c14 N72-18411
US-PATENT-CLASS-307-223	• • • • • • • • • • •	CO9 N72-17157	US-PATENT-CLASS-307-311	c08 N72-21198
US-PATENT-CLASS-307-223E	•••••	c09 N72-22201	US-PATENT-CLASS-307-311	c09 N73-14214
US-PATENT-CLASS-307-227	•••••	c09 N72-17157	US-PATENT-CLASS-307-313	c10 N72-20221
US-PATENT-CLASS-307-229	• • • • • • • • • • •	c09 N71-12520	US-PATENT-CLASS-307-317	c09 N72-22200
US-PATENT-CLASS-307-229	•••••	c09 N72-23173	US-PATENT-CLASS-307-317	c09 N72-22201
US-PATENT-CLASS-307-230	• • • • • • • • • • •	c10 N72-16172	US-PATENT-CLASS-307-322	c10 N72-22236
US-PATENT-CLASS-307-230		c09 N72-21245	UC DIMENUM OFFICE DATE DAG	
US-PATENT-CLASS-307-230		c09 N73-20232	HC DAMENT GIAGO DEC .	c10 N72-22236
US-PATENT-CLASS-307-231	••••••	c09 N72-22202	UC-DIMINIM CTICC 200 4	c15 N72-17451
US-PATENT-CLASS-307-233		c09 N72-25257	HC-Dampum cried and o	c31 N71-26537
US-PATENT-CLASS-307-233	**********	c10 N73-26229	US-PATENT-CLASS-308-2	c15 N71-23812
US-PATENT-CLASS-307-234	••••••	c10 N73-20229	US-PATENT-CLASS-308-2A	c15 N72-26371
US-PATENT-CLASS-307-234		c09 N71-23315	US-PATENT-CLASS-308-2A	c15 N73-12488
US-PATENT-CLASS-307-234			US-PATENT-CLASS-308-5	c15 N71-10617
US-PATENT-CLASS-307-235	•••••		US-PATENT-CLASS-308-5	c15 N72-11388
US-PATENT-CLASS-307-235	••••••	c10 N71-19471	US-PATENT-CLASS-308-5	c15 N72-17451
	•••••	c09 N71-23545	US-PATENT-CLASS-308-9	c15 N70-34664
US-PATENT-CLASS-307-235	•••••	c10 N71-24862	US-PATENT-CLASS-308-9	c15 N70-38620
US-PATENT-CLASS-307-237	•••••	c09 N72-22200	US-PATENT-CLASS-308-9	c15 N70-39896
US-PATENT-CLASS-307-241	••••••	c09 N72-22201	US-PATENT-CLASS-308-9	c15 N71-20739
US-PATENT-CLASS-307-242	••••••	c10 N73-13235	US-PATENT-CLASS-308-9	c14 N71-26627
US-PATENT-CLASS-307-243	********	c09 N71-12516	US-PATENT-CLASS-308-9	c15 N72-17451
US-PATENT-CLASS-307-243	*********	c08 N72-22162	US-PATENT-CLASS-308-9	c15 N73-32359
US-PATENT-CLASS-307-246	•••••	c09 N71-27016	US-PATENT-CLASS-308-10	c15 N71-22997
US-PATENT-CLASS-307-247		c09 N71-29139	US-PATENT-CLASS-308-10	c15 N72-33476
US-PATENT-CLASS-307-247		c09 N72-22202	HC DIMBUM GTIGG 200 05	
US-PATENT-CLASS-307-251	• • • • • • • • • •	c09 N71-33109	HE-DIMENE CALCO DOG 476	c15 N73-32359
US-PATENT-CLASS-307-251	•••••	c08 N72-22162	HE-DAMEUM CLASS 300 426	c15 N71-28465
US-PATENT-CLASS-307-252	•••••	c10 N69-39888	HC-DAMEUM OF LCC 200 477	c15 N71-22982
US-PATENT-CLASS-307-252	**********	c09 N71-12514	HC-DIMBUM-CY ICC 200 407	c15 N71-29136
US-PATENT-CLASS-307-252F	••••••	c09 N72-17153	US-DIMBUM CTICS 200 400	c15 N71-26189
US-PATENT-CLASS-307-252J		c09 N72-17153	US-PATENT-CLASS-308-188	c15 N73-30458
US-PATENT-CLASS-307-252J	*********	c09 N72-22201	US-PATENT-CLASS-308-193	c15 N73-30458
US-PATENT-CLASS-307-252K			US-PATENT-CLASS-308-195	c15 N72-22490
US-PATENT-CLASS-307-252N	• • • • • • • • •	c09 N72-22201	US-PATENT-CLASS-310-2	c03 N72-23048
US-PATENT-CLASS-307-252R	• • • • • • • • • •	c09 N72-23171	US-PATENT-CLASS-310-4	c09 N69-21313
US-PATENT-CLASS-307-252R	• • • • • • • • • •	c09 N72-23171	US-PATENT-CLASS-310-4	c03 N69-39898
	•••••	c10 N71-27126	US-PATENT-CLASS-310-4	c09 N69-39929
US-PATENT-CLASS-307-254	•••••	c10 N71-24799	US-PATENT-CLASS-310-4	c03 N70-34134
US-PATENT-CLASS-307-254	*********	c09 N72-22200	US-PATENT-CLASS-310-4	c03 N71-11055
US-PATENT-CLASS-307-257	•••••	c09 N72-21247	US-PATENT-CLASS-310-4	c22 N71-23599
US-PATENT-CLASS-307-259	• • • • • • • • • •	C09 N72-21247	US-PATENT-CLASS-310-4	c09 N71-24807
US-PATENT-CLASS-307-259	• • • • • • • • • •	c09 N72-23171	US-PATENT-CLASS-310-4	c33 N71-27862
US-PATENT-CLASS-307-259	•••••	c10 N73-13235	US-PATENT-CLASS-310-4	c09 N71-28421
US-PATENT-CLASS-307-260	********	c09 N71-23311	US-PATENT-CLASS-310-4	c09 N72-25260
US-PATENT-CLASS-307-260	• • • • • • • • • •	c05 N71-23317	US-PATENT-CLASS-310-4	c09 N72-27228
US-PATENT-CLASS-307-261	********	c09 N71-33109	US-PATENT-CLASS-310-5	c03 N70-35408
US-PATENT-CLASS-307-261	*********	c09 N72-25251	US-PATENT-CLASS-310-8.5	c14 N71-22993
US-PATENT-CLASS-307-262	********	c10 N72-16172	TC-DAMENT-CTACC 240 O 4	
US-PATENT-CLASS-307-262	• • • • • • • • • • • • • • • • • • • •	cC9 N72-22197	US-PATENT-CLASS-310-9-1	c15 N71-21311
US-PATENT-CLASS-307-262	• • • • • • • • • • • • • • • • • • • •	c09 N72-33204	US-PATENT-CLASS-310-10	c03 N69-39890 c09 N71-23443
US-PATENT-CLASS-307-263		c09 N71-23270		
US-PATENT-CLASS-307-263	••••••	c09 N71-28926	77 71 71 71 71 71 71 71 71	c09 N71-24904
US-PATENT-CLASS-307-265	••••••	C09 N69-39987	U.C. Dambum Grage 340 44	c09 N72-25255
US-PATENT-CLASS-307-265	••••••	c10 N71-23029	MC Dimpum diagna and	c25 N69-21929
US-PATENT-CLASS-307-265	********	C09 N71-28468	DC-DAMENM CYACO 340 44	c03 N69-39983
US-PATENT-CLASS-307-265	*********	c10 N71-28860	US-PATENT-CLASS-310-11	c03 N70-36803
US-PATENT-CLASS-307-265	•••••	c08 N71-29138	US-PATENT-CLASS-310-11	c14 N72-22439
US-PATENT-CLASS-307-265			US-PATENT-CLASS-310-11	c12 N72-25292
US-PATENT-CLASS-307-267	•••••••	c09 N71-29139	US-PATENT-CLASS-310-15	c09 N72-25255
US-PATENT-CLASS-307-268		C09 N71-20447 C09 N69-24317	US-PATENT-CLASS-310-42	c14 N72-22439
US-PATENT-CLASS-307-271	• • • • • • • • • • • • • • • • • • • •		US-PATENT-CLASS-310-51	c15 N71-27169
US-PATENT-CLASS-307-273	••••••	c10 N73-32145	US-PATENT-CLASS-310-54	c09 N71-20446
US-PATENT-CLASS-307-273	•••••	c10 N71-18723	US-PATENT-CLASS-310-68	c15 N72-25456
US-PATENT-CLASS-307-273	•••••	c09 N71-27016	US-PATENT-CLASS-310-80	c15 N72-25456
	•••••	c09 N71-28468	US-PATENT-CLASS-310-83	c15 N72-25456
US-PATENT-CLASS-307-273	•••••	c10 N71-28860	US-PATENT-CLASS-310-93	c15 N71-17652
US-PATENT-CLASS-307-273	•••••	c09 N71-29139	US-PATENT-CLASS-310-101	c15 N71-24696
US-PATENT-CLASS-307-273	*********	c10 N72-20221	US-PATENT-CLASS-310-168	c09 N71-25999
		-00 370 00004	NC DIMPUM GILLOS DAG CON	
US-PATENT-CLASS-307-284	• • • • • • • • • • •	c09 N72-22201		
US-PATENT-CLASS-307-288		c09 N71-23015	HC DIMENUM OFFICE DAG 4	c09 N71-25999
US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288	••••••••		US-PATENT-CLASS-312-1	c05 N71-23080
US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288	••••••••	c09 N71-23015	US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-1	c05 N71-23080 c05 N73-20137
US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288	•••••	C09 N71-23015 C09 N71-28468 C10 N72-20221	US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-257	c05 N71-23080 c05 N73-20137 c31 N72-22874
US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288	•••••••	c09 N71-23015 c09 N71-28468 c10 N72-20221 c09 N72-22202	US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-257 US-PATENT-CLASS-312-296	c05 N71-23080 c05 N73-20137 c31 N72-22874 c09 N71-18600
US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-288	•••••••	C09 N71-23015 C09 N71-28468 C10 N72-20221	US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-1 US-PATENT-CLASS-312-257	c05 N71-23080 c05 N73-20137 c31 N72-22874

243. 7	c14 N71-18482	US-PATENT-CLASS-317-9	c09 N71-22796
US-PATENT-CLASS-313-7	c14 N73-32324	US-PATENT-CLASS-317-9	c09 N71-27001
US-PATENT-CLASS-313-11.5	c28 N70-39925	US-PATENT-CLASS-317-16	c09 N69-39897
US-PATENT-CLASS-313-22	c09 N71-26787	US-PATENT-CLASS-317-20	c10 N71-26531 c09 N71-12526
US-PATENT-CLASS-313-44	c15 N69-24319	US-PATENT-CLASS-317-31	c10 N71-23543
US-PATENT-CLASS-313-63	c28 N70-41576 c09 N71-10618	US-PATENT-CLASS-317-31	c10 N71-26531
US-PATENT-CLASS-313-63	c28 N71-26781	US-PATENT-CLASS-317-33	c09 N71-27001
US-PATENT-CLASS-313-63	c28 N73-24783	US-PATENT-CLASS-317-33	c10 N71-27366
US-PATENT-CLASS-313-63	c28 N73-27699	US-PATENT-CLASS-317-33	c09 N71-29008
US-PATENT-CLASS-313-104	c14 N73-32317	US-PATENT-CLASS-317-54	c09 N71-29008
US-PATENT-CLASS-313-109.5	c09 N71-33519	US-PATENT-CLASS-317-60	c09 N71-29008 c10 N71-28783
US-PATENT-CLASS-313-110	c09 N71-12521 c25 N71-29181	US-PATENT-CLASS-317-100	c10 N73-25243
US-PATENT-CLASS-313-155	c25 N70-34661	US-PATENT-CLASS-317-101	c09 N71-26133
US-PATENT-CLASS-313-156	c25 N71-29181	US-PATENT-CLASS-317-101A	c09 N72-33205
US-PATENT-CLASS-313-161	c25 N73-25760	US-PATENT-CLASS-317-101A	c23 N73-13660
US-PATENT-CLASS-313-161	c09 N73-30181	US-PATENT-CLASS-317-101DH	c15 N72-22486
US-PATENT-CLASS-313-186	c25 N72-24753	US-PATENT-CLASS-317-101DH	c10 N73-25243 c15 N72-22486
US-PATENT-CLASS-313-212	c25 N72-24753	US-PATENT-CLASS-317-117 US-PATENT-CLASS-317-120	c15 N72-22486
US-PATENT-CLASS-313-217	c28 N73-27699 c28 N73-27699	US-PATENT-CLASS-317-122	c15 N71-18701
US-PATENT-CLASS-313-218	c25 N72-24753	US-PATENT-CLASS-317-123	c09 N71-24892
US-PATENT-CLASS-313-230	c28 N71-28850	US-PATENT-CLASS-317-140	c09 N70-34502
US-PATENT-CLASS-313-230	c28 N73-27699	US-PATENT-CLASS-317-148.5	c10 N71-23271
US-PATENT-CLASS-313-231	c06 N69-39889	US-PATENT-CLASS-317-148.5	c09 N71-24892 c10 N71-26334
US-PATENT-CLASS-313-231	c09 N71-23190 c25 N71-29181	US-PATENT-CLASS-317-153	c09 N71-29008
US-PATENT-CLASS-313-231	c09 N71-33519	US-PATENT-CLASS-317-157.5	c15 N69-21472
US-PATENT-CLASS-313-231	c25 N72-24753	US-PATENT-CLASS-317-158	c15 N73-28516
US-PATENT-CLASS-313-231	c25 N72-32688	US-PATENT-CLASS-317-158	c26 N73-28710
US-PATENT-CLASS-313-231	c28 N73-24783	US-PATENT-CLASS-317-158	c15 N73-32361
US-PATENT-CLASS-313-231	c25 N73-25760	US-PATENT-CLASS-317-230	c09 N71-27232 c26 N72-28761
US-PATENT-CLASS-313-236	c09 N71-26182	US-PATENT-CLASS-317-230	c09 N71-27232
US-PATENT-CLASS-313-237	c09 N71-26182 c25 N71-20747	US-PATENT-CLASS-317-234	c14 N69-23191
US-PATENT-CLASS-313-271	c10 N72-27246	US-PATENT-CLASS-317-234	c09 N69-27422
US-PATENT-CLASS-313-336	c10 N72-27246	US-PATENT-CLASS-317-234	c26 N71-18064
US-PATENT-CLASS-313-351	c10 N72-27246	US-PATENT-CLASS-317-234A	c15 N73-14469
US-PATENT-CLASS-313-352	c09 N71-22987	US-PATENT-CLASS-317-234D	c14 N72-31446 c14 N72-31446
US-PATENT-CLASS-313-355	c28 N73-27699	US-PATENT-CLASS-317-234G	c15 N73-14469
US-PATENT-CLASS-313-356	c14 N72-29464 c15 N69-24266	US-PATENT-CLASS-317-234G	c09 N73-27150
US-PATENT-CLASS-314-129	c16 N73-32391	US-PATENT-CLASS-317-234J	c26 N72-25679
US-PATENT-CLASS-315-3.5	c09 N73-13208	US-PATENT-CLASS-317-234L	c09 N73-27150
US-PATENT-CLASS-315-5.38	c09 N73-13208	US-PATENT-CLASS-317-234M	c09 N73-27150
US-PATENT-CLASS-315-22	c10 N72-20225	US-PATENT-CLASS-317-234N	c09 N73-27150 c09 N73-27150
US-PATENT-CLASS-315-22R	c10 N72-31273 c08 N71-20571	US-PATENT-CLASS-31/-234R	c26 N72-21701
US-PATENT-CLASS-315-24	c10 N72-20225	US-PATENT-CLASS-317-234V	c09 N73-15235
US-PATENT-CLASS-315-25	c09 N71-23189	US-PATENT-CLASS-317-235	c09 N69-24318
US-PATENT-CLASS-315-30R	c10 N72-31273	US-PATENT-CLASS-317-235	c09 N72-33205
US-PATENT-CLASS-315-36	c10 N72-27246	US-PATENT-CLASS-317-235A	c26 N72-25679 c09 N72-33205
US-PATENT-CLASS-315-101	c16 N73-32391	US-PATENT-CLASS-317-235A	c09 N72-33203
US-PATENT-CLASS-315-108	c09 N71-33519 c25 N70-33267	US-PATENT-CLASS-317-235AJ	c26 N72-25679
US-PATENT-CLASS-315-111	c25 N70-33207	US-PATENT-CLASS-317-235AJ	c09 N72-33205
US-PATENT-CLASS-315-111	c25 N71-15562	US-PATENT-CLASS-317-235AM	c09 N73-19235
US-PATENT-CLASS-315-111	c24 N71-16213	US-PATENT-CLASS-317-235K	c09 N73-15235
US-PATENT-CLASS-315-111	c25 N71-21693	US-PATENT-CLASS-317-235M	c14 N72-31446 c09 N73-19235
US-PATENT-CLASS-315-111	c28 N71-26781 c25 N71-29181	US-PATENT-CLASS-317-235N	c26 N72-21701
US-PATENT-CLASS-315-111	c25 N71-29184	US-PATENT-CLASS-317-235R	c26 N72-25679
US-PATENT-CLASS-315-111	c09 N71-33519	US-PATENT-CLASS-317-235R	c14 N72-31446
US-PATENT-CLASS-315-111	c25 N72-24753	US-PATENT-CLASS-317-235R	c09 N73-19235
US-PATENT-CLASS-315-111	c25 N72-32688	US-PATENT-CLASS-317-235R	c09 N73-32112 c09 N73-19235
US-PATENT-CLASS-315-111	c14 N73-30391	US-PATENT-CLASS-317-235T	c09 N73-19235
US-PATENT-CLASS-315-135	c09 N72-25250 c14 N72-27411	US-PATENT-CLASS-317-235WW	c09 N73-32112
US-PATENT-CLASS-315-151	c14 N72-27411	US-PATENT-CLASS-317-238	c09 N71-27232
US-PATENT-CLASS-315-153	c14 N72-27411	US-PATENT-CLASS-317-246	c14 N69-21541
US-PATENT-CLASS-315-158	c14 N72-27411	US-PATENT-CLASS-317-247	c14 N72-24477
US-PATENT-CLASS-315-160	c09 N71-12540	US-PATENT-CLASS-317-258	c09 N71-13522 c26 N72-28761
US-PATENT-CLASS-315-169R	c23 N73-13660	US-PATENT-CLASS-317-261	c08 N71-27057
US-PATENT-CLASS-315-169TV	c23 N73-13660 c09 N71-13518	US-PATENT-CLASS-318-22	c15 N71-17694
US-PATENT-CLASS-315-241	c09 N73-30181	US-PATENT-CLASS-318-31	c15 N71-28952
US-PATENT-CLASS-315-258	c16 N73-32391	US-PATENT-CLASS-318-138	c09 N71-10677
US-PATENT-CLASS-315-297	c14 N72-27411	US-PATENT-CLASS-318-138	c14 N71-17585
US-PATENT-CLASS-315-307	c14 N72-27411	US-PATENT-CLASS-318-138	c10 N71-18772 c09 N71-25999
US-PATENT-CLASS-315-310	c14 N72-27411	US-PATENT-CLASS-318-138	c07 N71-23999
US-PATENT-CLASS-315-311	c14 N72-27411 c09 N73-30181	US-PATENT-CLASS-318-230	c07 N71-33613
US-PATENT-CLASS-315-324	c25 N72-24753	US-PATENT-CLASS-318-230	c10 N73-32145
US-PATENT-CLASS-315-349	c09 N72-25250	US-PATENT-CLASS-318-231	c10 N73-32145
US-PATENT-CLASS-315-356	c16 N73-32391	US-PATENT-CLASS-318-254	c09 N71-25999
US-PATENT-CLASS-315-358	c25 N72-24753	US-PATENT-CLASS-318-254	c09 N73-32107 c10 N71-18724
US-PATENT-CLASS-317-DIG.3	c10 N71-26334 c10 N73-26228	US-PATENT-CLASS-318-257	c09 N71-26092
US-PATENT-CLASS-317-DIG.6	CIV N/3-20220	I DE LEIDHT CHASS SIG 250 THEFT	

US-PATENT-CLASS-318-260		1	
HC-DAGRAM CIACC 340 OCC	c09 N70-38712	US-PATENT-CLASS-3245	c14 N71-20428
DC-DAMPHM-CTACC 340 300	c15 N71-24895	US-PATENT-CLASS-3245R	c16 N73-13489
DC-Dimbum Crico 340 340	c11 N72-20244	US-PATENT-CLASS-324-0.5	c14 N71-26137
US-PATENT-CLASS-318-314	c10 N71-20448	US-PATENT-CLASS-324-0.5	c14 N71-26266
US-PATENT-CLASS-318-317	c09 N71-28886	US-PATENT-CLASS-324-5	c14 N71-28991
US-PATENT-CLASS-318-318	c09 N71-24805	US-PATENT-CLASS-324-20R	c09 N72-23172
US-PATENT-CLASS-318-327	c11 N72-20244	US-PATENT-CLASS-324-29.5	c03 N72-25020
US-PATENT-CLASS-318-328	c09 N73-32107	US-PATENT-CLASS-324-29.5	c14 N73-30388
US-PATENT-CLASS-318-331	c09 N71-28886	US-PATENT-CLASS-324-30R	c14 N73-20478
US-PATENT-CLASS-318-341	c10 N73-32145	US-PATENT-CLASS-324-32	c14 N71-16014
US-PATENT-CLASS-318-345	c09 N71-28886	US-PATENT-CLASS-324-33	c25 N69-39884
US-PATENT-CLASS-318-376	c10 N7.1-16030	US-PATENT-CLASS-324-33	
US-PATENT-CLASS-318-376	c11 N72-20244	HC-DAMPHM-CLACE 224 22	c14 N70-35666
US-PATENT-CLASS-318-382	c15 N71-24695	US-PATENT-CLASS-324-33	c24 N71-20518
US-PATENT-CLASS-318-489	c02 N73-19004	HC-DAMBUM CYACO 304 33	c14 N71-21090
US-PATENT-CLASS-318-504	c09 N71-28886	HS-DAMBUM-CLASC 224 24	c14 N71-27090
US-PATENT-CLASS-318-571	c10 N71-27136	HC-DAMBAM CTACC DOM NA	c25 N71-16073
US-PATENT-CLASS-318-576	c09 N72-21246	HE-DAMENM CTACK SOL 45	c10 N72-28240
US-PATENT-CLASS-318-599	c10 N71-24861	HC Dameum colors col	c14 N69-27423
US-PATENT-CLASS-318-653	c10 N71-27136	HC-DAMENE-CTACC 200 h2	c09 N70-40123
US-PATENT-CLASS-320-13	c03 N71-29129	" HC-DAMBUM CLACO SON NO	c14 N71-15962
US-PATENT-CLASS-320-17	c03 N71-24605	TIS-DAMPHIM CTACC 204 42	c14 N71-26135
US-PATENT-CLASS-320-23	c03 N71-19438	HE-DAMENM-CLACE DON ED	c14 N71-27325
US-PATENT-CLASS-320-39	c03 N71-24719	US-PATENT-CLASS-324-52	c14 N72-17325
US-PATENT-CLASS-320-48	c03 N72-25020	US-PATENT-CLASS-324-52	c14 N73-28486
US-PATENT-CLASS-321-1.5	c09 N73-32109	US-PATENT-CLASS-324-57	c10 N71-16057
US-PATENT-CLASS-321-2	c03 N69-21330	US-PATENT-CLASS-324-57	c09 N71-20569
US-PATENT-CLASS-321-2	c03 N69-25146	US-PATENT-CLASS-324-57R	c15 N72-21464
US-PATENT-CLASS-321-2		US-PATENT-CLASS-324-57R	c14 N73-30388
US-PATENT-CLASS-321-2	c03 N71-12255 c09 N71-23188	US-PATENT-CLASS-324-58.5	c15 N71-17822
US-PATENT-CLASS-321-2	c03 N71-23188	US-PATENT-CLASS-324-58.5	c25 N71-20563
US-PATENT-CLASS-321-2		US-PATENT-CLASS-324-58.5	c14 N71-26137
DC-DAMBAM CTACC 204 C	c10 N71-26085	US-PATENT-CLASS-324-58.5	c18 N71-27397
	c09 N72-22196	US-PATENT-CLASS-324-61	c14 N69-39785
HC-DAMENM CLACK 204 0	c09 N72-22203	US-PATENT-CLASS-324-61	c14 N70-36618
HC-DAMENM-CIACC 224 2	c03 N72-23048	US-PATENT-CLASS-324-61	c14 N71-10797
UC DIMBUM CYLCO 204 C	c09 N72-25249	US-PATENT-CLASS-324-61	c18 N71-27397
NC-DAWRAM CTACC 224 C	c09 N72-25251	US-PATENT-CLASS-324-61	c14 N72-22442
HC-DAMBAM CTAGO 204 C	c09 N72-25252	US-PATENT-CLASS-324-61R	c14 N72-24477
NO DIMPUM ALLES DAG A	c09 N72-25253	US-PATENT-CLASS-324-62R	c14 N73-30388
HC-DAMPNM-CTACC 204 F	C09 N72-25254	US-PATENT-CLASS-324-64	c15 N72-21464
US-PATENT-CLASS-321-5	c08 N71-18752	US-PATENT-CLASS-324-65	c14 N71-27186
US-PATENT-CLASS-321-9	c10 N71-25139	US-PATENT-CLASS-324-65P	c14 N73-20478
US-PATENT-CLASS-321-10	c09 N72-17154	US-PATENT-CLASS-324-65R	c15 N72-23497
US-PATENT-CLASS-321-11	c09 N69-39984	US-PATENT-CLASS-324-66	c05 N72-16015
US-PATENT-CLASS-321-11	c09 N72-25252	US-PATENT-CLASS-324-70	c14 N70-41332
US-PATENT-CLASS-321-11	c10 N73-26228	US-PATENT-CLASS-324-70	c14 N71-22990
US-PATENTACLASS-321-12	c10 N71-27366	US-PATENT-CLASS-324-70	c10 N71-24863
US-PATENT-CLASS-321-14	c09 N72-22196	US-PATENT-CLASS-324-71	c09 N71-24843
US-PATENT-CLASS-321-15	c09 N72-22203	US-PATENT-CLASS-324-71R	c09 N72-21246
US-PATENT-CLASS-321-18	c09 N72-22203	US-PATENT-CLASS-324-71R	c15 N72-21464
US-PATENT-CLASS-321-18	c09 N72-25251	US-PATENT-CLASS-324-72	c25 N71-15650
US-PATENT-CLASS-321-18	c09 N72-25252	US-PATENT-CLASS-324-72	c10 N71-19421
US-PATENT-CLASS-321-19	c09 N72-22196	US-PATENT-CLASS-324-72	c14 N71-13421
US-PATENT-CLASS-321-19	c09 N72-25252	HC-DAMPHM-CIACC 304 70	
US-PATENT-CLASS-321-25	c09 N72-22196	II C = DAMPAM - CIACC - 300 70	c07 N73-20175
US-PATENT-CLASS-321-45	c09 N71-24800	US-PATENT-CLASS-324-72	c14 N73-32318 c14 N71-28991
US-PATENT-CLASS-321-45	c09 N72-22203	HC-DAMENM-CTACC 200 Tham	
US-PATENT-CLASS-321-45C	c10 N73-26228	US-PATENT-CLASS-324-73AT	c08 N72-22166 c09 N71-10659
US-PATENT-CLASS-321-45ER	c09 N72-25252	HE-DIMBUM CTIOC COL	
US-PATENT-CLASS-321-45R	c09 N72-25252	HC_DAMENM_CTACC 220 220	c07 N71-24622 c08 N72-20177
US-PATENT-CLASS-321-45R	c09 N72-25254	HS-DAMPHM-CTACC 22# 275	
US-PATENT-CLASS-321-47	c09 N71-33109	DC-DAMENM CLACK SON TOR	c10 N73-25240
US-PATENT-CLASS-321-47	c09 N72-25253	HS-DAMENM-CLACE 224 705	c09 N72-25257
US-PATENT-CLASS-321-48	c12 N71-20896	HC-DAMPHM-GIAGG 320 70-	c14 N73-24473
US-PATENT-CLASS-321-60	c14 N71-23174	US-PATENT-CLASS-324-78D	c10 N73-25240
US-PATENT-CLASS-321-61	c09 N71-27364	HC-DAMBUM CLICE 204 HO-	c14 N73-30386
US-PATENT-CLASS-321-64	c09 N71-27364	TIC-DAMENT CTACC CO.	c14 N72-27408
US-PATENT-CLASS-321-69	c10 N71-26414	HC_DAMENS GIAGG 300 OF	c10 N72-20224
US-PATENT-CLASS-322-2	c03 N72-23048	HC-DAMENT OFFICE SON OF	c10 N72-20224
US-PATENT-CLASS-322-32	c09 N71-27364		c26 N72-25680
US-PATENT-CLASS-323-DIG. 1	c09 N72-21243		c10 N71-12554
US-PATENT-CLASS-323-DIG.1	c09 N72-25249	HC-DIMENUM CTION 204 OF	c14 N73-30388
US-PATENT-CLASS-323-8	c10 N71-10578	US-PATENT-CLASS-324-96	c26 N72-25680
US-PATENT-CLASS-323-17	c09 N72-25249	US-PATENT-CLASS-324-102	c09 N72-11225
US-PATENT-CLASS-323-19	c08 N72-31226	US-PATENT-CLASS-324-103	c10 N71-27338
US-PATENT-CLASS-323-20	c14 N71-27407	US-PATENT-CLASS-324-106	c14 N70-38602
US-PATENT-CLASS-323-22	c09 N71-21449	US-PATENT-CLASS-324-106	c08 N71-29138
US-PATENT-CLASS-323-22	c09 N71-21449	US-PATENT-CLASS-324-107	c10 N71-27338
US-PATENT-CLASS-323-22T	c09 N72-21243	US-PATENT-CLASS-324-113	c09 N70-41655
US-PATENT-CLASS-323-22T	c09 N72-21243	US-PATENT-CLASS-324-115	c14 N71-26244
US-PATENT-CLASS-323-38		US-PATENT-CLASS-324-115	c10 N72-20222
US-PATENT-CLASS-323-48	c09 N72-21243	US-PATENT-CLASS-324-117	c14 N71-23037
US-PATENT-CLASS-323-48	c09 N71-27053	US-PATENT-CLASS-324-119	c09 N72-11225
NO DISTRICT OFFICE CO.	c09 N72-25262	US-PATENT-CLASS-324-120	c14 N71-19431
NO DIMENUE OFFICE COS SC	c10 N71-22961	US-PATENT-CLASS-324-120	c09 N71-23021
HC DIMENE CTICS 202 FC	c09 N71-24893	US-PATENT-CLASS-324-123R	c09 N72-11225
NO DIMINUS OFFICE COLUMN	c09 N72-22196	US-PATENT-CLASS-324-132	c09 N71-13530
NA DIEBUM OFFICE CO.	c09 N71-27053	US-PATENT-CLASS-324-132	c10 N72-20222
NC DIMENUT CTICS 200 00-	c09 N72-25262	US-PATENT-CLASS-324-133	c10 N71-27338
US-PATENT-CLASS-323-89C	c09 N72-22196	US-PATENT-CLASS-324-158	c09 N69-21926

	-16 177-25057	US-PATENT-CLASS-328-1	c10 N71-19472
US-PATENT-CLASS-324-158D	c15 N72-25457 c15 N72-25457	US-PATENT-CLASS-328-1	c09 N72-22200
US-PATENT-CLASS-324-158T	c09 N71-24717	US-PATENT-CLASS-328-16	c10 N72-20223
US-PATENT-CLASS-324-181	C09 N72-25257	US-PATENT-CLASS-328-20	c10 N72-20223
US-PATENT-CLASS-325-4	c07 N71-16088	US-PATENT-CLASS-328-24	c09 N72-33204
US-PATENT-CLASS-325-4	c07 N71-19773	US-PATENT-CLASS-328-37	c08 N71-12503 c10 N73-20254
US-PATENT-CLASS-325-4	c07 N71-24621	US-PATENT-CLASS-328-37	c10 N72-20223
US-PATENT-CLASS-325-4	c07 N72-11149 c07 N72-12080	US-PATENT-CLASS-328-42	c08 N71-19432
US-PATENT-CLASS-325-4	c07 N72-12000	US-PATENT-CLASS-328-44	c08 N71-29034
US-PATENT-CLASS-325-4US-PATENT-CLASS-325-4	c07 N72-25171	US-PATENT-CLASS-328-48	c14 N73-30386
US-PATENT-CLASS-325-4	c07 N73-20174	US-PATENT-CLASS-328-49	c10 N71-27137 c08 N71-29138
US-PATENT-CLASS-325-5	c07 N73-20174	US-PATENT-CLASS-328-58	c09 N71-23525
US-PATENT-CLASS-325-7	c07 N73-20174	US-PATENT-CLASS-328-61	c10 N73-20254
US-PATENT-CLASS-325-8	c07 N73-20174 c07 N73-20174	US-PATENT-CLASS-328-67	c10 N71-28960
US-PATENT-CLASS-325-9	c07 N72-12081	US-PATENT-CLASS-328-92	c10 N71-28860
US-PATENT-CLASS-325-10	c07 N73-20174	US-PATENT-CLASS-328-104	c08 N72-22162
US-PATENT-CLASS-325-13	c07 N72-12081	US-PATENT-CLASS-328-104	c10 N73-13235
US-PATENT-CLASS-325-16	c07 N71-27056	US-PATENT-CLASS-328-106	c09 N72-22201
US-PATENT-CLASS-325-17	c07 N73-20174	US-PATENT-CLASS-328-110	c09 N71-12519 c09 N69-39885
US-PATENT-CLASS-325-23	c07 N71-27056	US-PATENT-CLASS-328-116	c09 N71-27016
US-PATENT-CLASS-325-29	c09 N72-22202	US-PATENT-CLASS-328-129	c14 N73-30386
US-PATENT-CLASS-325-31	c07 N71-20791 c07 N72-20140	US-PATENT-CLASS-328-133	c09 N71-24596
US-PATENT-CLASS-325-38	c07 N72-25173	US-PATENT-CLASS-328-133	c10 N72-20224
US-PATENT-CLASS-325-38	c07 N72-11149	US-PATENT-CLASS-328-134	c08 N71-18692
US-PATENT-CLASS-325-40	c07 N73-26118	US-PATENT-CLASS-328-134	c14 N73-30386
US-PATENT-CLASS-325-41	c10 N71-26577	US-PATENT-CLASS-328-136	c09 N72-25257
US-PATENT-CLASS-325-42	c07 N71-11266	US-PATENT-CLASS-328-140	c09 N72-25257 c09 N72-21245
US-PATENT-CLASS-325-45	c07 N73-25160	US-PATENT-CLASS-328-142	c09 N72-23173
US-PATENT-CLASS-325-51	c07 N72-25173 c07 N72-25173	US-PATENT-CLASS-328-151	c09 N72-22200
US-PATENT-CLASS-325-55	c07 N72-23173	US-PATENT-CLASS-328-154	c08 N72-22162
US-PATENT-CLASS-325-58	c07 N72-20140	US-PATENT-CLASS-328-154	c10 N73-13235
US-PATENT-CLASS-325-58	CO7 N72-25173	US-PATENT-CLASS-328-155	c10 N72-16172
US-PATENT-CLASS-325-60	c08 N71-19763	US-PATENT-CLASS-328-155	c09 N72-33204
US-PATENT-CLASS-325-60	c07 N73-16121	US-PATENT-CLASS-328-164	c07 N71-33696 c09 N71-24806
US-PATENT-CLASS-325-61	c07 x73-25160	US-PATENT-CLASS-328-165	c07 N71-33696
US-PATENT-CLASS-325-62	c08 N72-25208	US-PATENT-CLASS-328-165	c10 N72-20223
US-PATENT-CLASS-325-63	c10 N71-19467	US-PATENT-CLASS-328-167	c10 N71-22986
US-PATENT-CLASS-325-63	c07 N73-20174 c07 N72-25173	US-PATENT-CLASS-328-167	c08 N71-29034
US-PATENT-CLASS-325-64	c07 N70-41331	US-PATENT-CLASS-328-167	c10 N72-17171
US-PATENT-CLASS-325-65	CO7 N70-41372	US-PATENT-CLASS-328-167	c09 N72-21245
US-PATENT-CLASS-325-65	c67 N71-11284	US-PATENT-CLASS-328-167	c09 N73-20231
US-PATENT-CLASS-325-67	c07 N71-26292	US-PATENT-CLASS-328-167	c08 N73-26175 c10 N71-24844
US-PATENT-CLASS-325-67	c10 N73-25241	US-PATENT-CLASS-328-171	c09 N72-17157
US-PATENT-CLASS-325-113	c07 N71-24840	US-PATENT-CLASS-328-186	c10 N73-20254
US-PATENT-CLASS-325-113	c07 N73-25160 c07 N72-25171	US-PATENT-CLASS-328-189	c14 N72-27408
US-PATENT-CLASS-325-114	c07 N72-25160	US-PATENT-CLASS-328-207	c09 N71-28468
US-PATENT-CLASS-325-139	c07 N72-25173	US-PATENT-CLASS-328-207	c10 N71-28860
US-PATENT-CLASS-325-143	c05 N71-12342	US-PATENT-CLASS-328-207	c09 N71-29139 c10 N72-20221
US-PATENT-CLASS-325-151.11	c08 N71-27057	US-PATENT-CLASS-328-207	c10 N71-22962
US-PATENT-CLASS-325-163	c07 N71-23405	US-PATENT-CLASS-328-233	c07 N71-11282
US-PATENT-CLASS-325-185	c07 N71-28430 c07 N72-25173	US-PATENT-CLASS-329-120	c07 N73-30113
US-PATENT-CLASS-325-302	c07 N71-10775	US-PATENT-CLASS-329-122	c10 N71-19469
US-PATENT-CLASS-325-305	c10 N71-20841	US-PATENT-CLASS-329-122	c07 N73-28012
US-PATENT-CLASS-325-305	c07 N71-23098	US-PATENT-CLASS-329-140	c07 N71-24583
US-PATENT-CLASS-325-321	c07 N72-20140	US-PATENT-CLASS-329-145	c07 N71-33696 c07 N72-20141
US-PATENT-CLASS-325-325	c07 N71-24613	US-PATENT-CLASS-329-161	c07 N72-20141
US-PATENT-CLASS-325-325	c07 N72-25173 c07 N73-13149	US-PATENT-CLASS-329-162	c09 N69-39986
US-PATENT-CLASS-325-325	c10 N73-16205	US-PATENT-CLASS-330-2	c09 N72-25250
US-PATENT-CLASS-325-346	c07 N71-33696	US-PATENT-CLASS-330-4	c16 N71-15550
US-PATENT-CLASS-325-347	c07 N71-33696	US-PATENT-CLASS-330-4	c16 N71-24831
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US-PATENT-CLASS-325-363	c14 N71-26774	US-PATENT-CLASS-330-4.3	c16 N73-32391 c09 N72-25258
US-PATENT-CLASS-325-363	c14 N72-28437	US-PATENT-CLASS-330-4.5	c09 N71-13531
US-PATENT-CLASS-325-363	c10 N73-25241	US-PATENT-CLASS-330-11	c10 N71-33129
US-PATENT-CLASS-325-369	c07 N71-27056 c07 N72-33146	US-PATENT-CLASS-330-11	c09 N72-17156
US-PATENT-CLASS-325-373	c10 N73-16205	US-PATENT-CLASS-330-12	c10 N72-33230
US-PATENT-CLASS-325-419	c07 N73-10203	US-PATENT-CLASS-330-13	c10 N71-26415
US-PATENT-CLASS-325-419		US-PATENT-CLASS-330-14	c09 N70-35440
US-PATENT-CLASS-325-422	c07 N73-30113	US-PATENT-CLASS-330-16	c10 N71-33129
US-PATENT-CLASS-325-445	c07 N72-20141	US-PATENT-CLASS-330-18	c09 N72-17155 c09 N73-20232
US-PATENT-CLASS-325-446	c09 N69-24324	US-PATENT-CLASS-330-20	c09 N71-10798
US-PATENT-CLASS-325-473		US-PATENT-CLASS-330-22	c09 N73-20232
US-PATENT-CLASS-325-473		US-PATENT-CLASS-330-24	c10 N71-33129
US-PATENT-CLASS-325-478	AT 1174 22606	US-PATENT-CLASS-330-26	c10 N72-17172
US-PATENT-CLASS-325-480		US-PATENT-CLASS-330-27R	c10 N72-31273
US-PATENT-CLASS-325-482	c07 N71-33696	US-PATENT-CLASS-330-29	c09 N69-24330
US-PATENT-CLASS-325-492	c09 N72-17153	US-PATENT-CLASS-330-29	c10 N72-28241 c09 N71-19466
US-PATENT-CLASS-325-492	c09 N72-22202	US-PATENT-CLASS-330-30	c09 N71-19516
US-PATENT-CLASS-328-1	c23 N71-16099	AD_LWIEWI-CTWDQ-DAC-A *********	

US-PATENT-CLASS-330-30	c09 N71-27016	US-PATENT-CLASS-332-10	c08 N71-29138
US-PATENT-CLASS-330-30D	c10 N72-20221	US-PATENT-CLASS-332-19	c10 N71-23544
US-PATENT-CLASS-330-30D	c09 N73-20232	US-PATENT-CLASS-332-21	c08 N72-25208 c07 N71-28429
US-PATENT-CLASS-330-31	c10 N71-26331 c10 N72-17172	US-PATENT-CLASS-332-29	c10 N71-27271
US-PATENT-CLASS-330-31	c09 N72-17156	US-PATENT-CLASS-332-30	c07 N71-28429
US-PATENT-CLASS-330-35	c09 N73-20232	US-PATENT-CLASS-332-31	c08 N71-12500
US-PATENT-CLASS-330-40	c07 N71-28430	US-PATENT-CLASS-332-31	c26 N72-21701 c07 N72-20141
US-PATENT-CLASS-330-40	c09 N72-17155 c09 N73-20232	US-PATENT-CLASS-333-6	c07 N71-33606
US-PATENT-CLASS-330-49	c14 N70-35220	US-PATENT-CLASS-333-7	c07 N71-33606
US-PATENT-CLASS-330-51	c10 N71-28859	US-PATENT-CLASS-333-7	c07 N72-25170
US-PATENT-CLASS-330-59	c09 N72-25250 c09 N71-23097	US-PATENT-CLASS-333-8	c07 N69-24334 c07 N71-10676
US-PATENT-CLASS-330-61	c10 N73-27171	US-PATENT-CLASS-333-21A	c07 N71-33606
US-PATENT-CLASS-330-70R	c09 N72-21245	US-PATENT-CLASS-333-24R	c09 N72-29172
US-PATENT-CLASS-330-80T	c09 N73-20232	US-PATENT-CLASS-333-30	c10 N71-25900 c10 N72-17171
US-PATENT-CLASS-330-85	c09 N72-21245 c09 N73-20231	US-PATENT-CLASS-333-70CR	c10 N71-25900
US-PATENT-CLASS-330-94	c10 N72-17172	US-PATENT-CLASS-333-73	c07 N69-24323
US-PATENT-CLASS-330-107	c10 N72-11256	US-PATENT-CLASS-333-73	c09 N71-23573
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US-PATENT-CLASS-330-109	c10 N72-17230	US-PATENT-CLASS-333-73W	cG7 N72-20141
US-PATENT-CLASS-330-109	c10 N72-17172	US-PATENT-CLASS-333-79	c10 N70-41964
US-PATENT-CLASS-330-109	c09 N73-20231	US-PATENT-CLASS-333-79	c09 N72-25256
US-PATENT-CLASS-330-124	c07 N71-28430 c10 N72-17171	US-PATENT-CLASS-333-80	c09 N71-12517 c09 N72-21245
US-PATENT-CLASS-330-176	c07 N71-28430	US-PATENT-CLASS-333-80T	c10 N72-33230
US-PATENT-CLASS-331-4	c09 N69-21543	US-PATENT-CLASS-333-81	c07 N71-29065
US-PATENT-CLASS-331-7	c07 N72-11150	US-PATENT-CLASS-333-81B	c14 N73-13420 c07 N72-25170
US-PATENT-CLASS-331-10	c07 N72-11150 c09 N72-21247	US-PATENT-CLASS-333-81R	c09 N73-26195
US-PATENT-CLASS-331-14	c10 N71-20852	US-PATENT-CLASS-333-83	c09 N71-24841
US-PATENT-CLASS-331-17	c10 N73-27171	US-PATENT-CLASS-333-84M	c09 N73-26195
US-PATENT-CLASS-331-18	c10 N71-26374	US-PATENT-CLASS-333-95	c07 N71-27191 c09 N71-20445
US-PATENT-CLASS-331-23	c09 N72-21247 c10 N73-27171	US-PATENT-CLASS-333-96	c07 N71-27191
US-PATENT-CLASS-331-25	c09 N72-21247	US-PATENT-CLASS-333-97	c07 N69-27462
US-PATENT-CLASS-331-34	c07 N72-11150	US-PATENT-CLASS-333-98	c09 N71-23548
US-PATENT-CLASS-331-44	c14 N72-27408 c10 N73-16206	US-PATENT-CLASS-333-98	c09 N71-24808 c07 N72-25170
US-PATENT-CLASS-331-45	c07 N72-11150	US-PATENT-CLASS-333-98P	c09 N72-29172
US-PATENT-CLASS-331-78	c09 N71-23598	US-PATENT-CLASS-333-98R	c07 N72-25170
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US-PATENT-CLASS-331-90	c09 N73-15235 c16 N70-41578	US-PATENT-CLASS-333-98R	c07 N72-25170
US-PATENT-CLASS-331-94	c16 N72-28521	US-PATENT-CLASS-335-205	c09 N72-20199
US-PATENT-CLASS-331-94	c16 N73-13489	US-PATENT-CLASS-335-216	c16 N71-28554
US-PATENT-CLASS-331-94.5	c16 N71-18614 c16 N71-24832	US-PATENT-CLASS-335-216	c23 N71-29049 c26 N73-32571
US-PATENT-CLASS-331-94.5	c23 N71-26722	US-PATENT-CLASS-335-296	c09 N73-30185
US-PATENT-CLASS-331-94.5	c15 N71-27135	US-PATENT-CLASS-335-297	c09 N73-30185
US-PATENT-CLASS-331-94.5	c23 N71-29125	US-PATENT-CLASS-335-300	c09 N70-41929 c26 N73-26752
US-PATENT-CLASS-331-94.5	c16 N71-33410 c16 N72-12440	US-PATENT-CLASS-336-DIG.1	c09 N72-27226
US-PATENT-CLASS-331-94.5	c25 N72-24753	US-PATENT-CLASS-336-178	c09 N72-17154
US-PATENT-CLASS-331-94.5	c16 N72-25485	US-PATENT-CLASS-336-198	c09 N72-27226
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US-PATENT-CLASS-331-94.5	c16 N73-32391	US-PATENT-CLASS-337-75	c15 N72-12409
US-PATENT-CLASS-331-94.5A	c16 N73-33397	US-PATENT-CLASS-337-114	c09 N71-29035
US-PATENT-CLASS-331-107	c09 N71-18721	US-PATENT-CLASS-337-121	c09 N71-29035 c15 N72-12409
US-PATENT-CLASS-331-107	c26 N72-21701 c26 N72-25679	US-PATENT-CLASS-337-354	c15 N72-12409
US-PATENT-CLASS-331-107G	c09 N73-15235	US-PATENT-CLASS-338-5	c32 N71-15974
US-PATENT-CLASS-331-109	c10 N71-27271	US-PATENT-CLASS-338-64	c09 N71-21583
US-PATENT-CLASS-331-111	c10 N71-23669	US-PATENT-CLASS-338-82	c09 N71-20842 c15 N71-23049
US-PATENT-CLASS-331-111	c09 N72-21247 c09 N70-38995	US-PATENT-CLASS-339-17	c14 N69-27431
US-PATENT-CLASS-331-113	c10 N71-19418	US-PATENT-CLASS-339-17	c15 N71-17685
US-PATENT-CLASS-331-113	c09 N71-19470	US-PATENT-CLASS-339-17	c09 N71-26133
US-PATENT-CLASS-331-113	c10 N71-25882	US-PATENT-CLASS-339-17R	c15 N71-29133 c15 N72-25450
US-PATENT-CLASS-331-113 US-PATENT-CLASS-331-113	c10 N71-25950 c09 N71-28810	US-PATENT-CLASS-339-46	c15 N72-17455
US-PATENT-CLASS-331-113A	c09.N72-25253	US-PATENT-CLASS-339-75MP	c09 N72-28225
US-PATENT-CLASS-331-113A	c09 N72-25254	US-PATENT-CLASS-339-91	c09 N69-21927
US-PATENT-CLASS-331-115	c10 N72-33230 c10 N72-33230	US-PATENT-CLASS-339-91B	c15 N72-25450 c09 N72-28225
US-PATENT-CLASS-331-116R	c10 N71-27271	US-PATENT-CLASS-339-95	c09 N69-39734
US-PATENT-CLASS-331-117	c09 N72-22203	US-PATENT-CLASS-339-143R	c09 N72-25256
US-PATENT-CLASS-331-135	c10 N73-32145	US-PATENT-CLASS-339-147R	c09 N72-25256 c09 N69-21470
US-PATENT-CLASS-331-177US-PATENT-CLASS-331-177R	c10 N71-27271 c09 N73-15235	US-PATENT-CLASS-339-150	c09 N69-21470
US-PATENT-CLASS-331-177R	c10 N71-23084	US-PATENT-CLASS-339-176	c09 N70-36494
US-PATENT-CLASS-332-7.51	c16 N72-25485	US-PATENT-CLASS-339-176M	c15 ¥72-17455
US-PATENT-CLASS-332-7.51	c07 N73-26119	US-PATENT-CLASS-339-176HP	c09 N72-28225 c09 N71-20851
US-PATENT-CLASS-332-9	c07 N71-12390 c08 N71-29138	US-PATENT-CLASS-339-177	c09 N72-28225
An-181741 CREAT 227 NV		1	

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US-PATENT-CLASS-339-275T	c09 N72-20200	US-PATENT-CLASS-340-227R	c14 N72-25412
US-PATENT-CLASS-339-276T	c09 N72-20200	DO DIMPUM OFFICE 340 COC C	c10 N72-25412
US-PATENT-CLASS-339-278M	c15 N72-17455	HE-DAMENT CLACE 340 0000	c10 N/2-1/1/3
US-PATENT-CLASS-340-5C	c14 N73-27379	TO DIMPUM OFFICE DAG COD	
US-PATENT-CLASS-340-15.5GC	c14 N73-26432	DO DIMPUM OFFICE DAG COF	c14 N71-25901
70 DIMENS OF LOS OF		US-PATENT-CLASS-340-235	c10 N71-26334
	c14 N73-16483	US-PATENT-CLASS-340-240	c09 N72-27227
	c21 N72-22619	US-PATENT-CLASS-340-248	c10 N71-27338
US-PATENT-CLASS-340-27AT	c21 N73-14692	US-PATENT-CLASS-340-258	c10 N72-28240
US-PATENT-CLASS-340-27NA	c21 N73-13643	US-PATENT-CLASS-340-258R	c07 N73-25160
US-PATENT-CLASS-340-27R	c14 N73-16483	US-PATENT-CLASS-340-277	c10 N73-30205
US-PATENT-CLASS-340-27R	c14 N73-20474	US-PATENT-CLASS-340-279	c05 N72-16015
US-PATENT-CLASS-340-33	c21 N73-13643	US-PATENT-CLASS-340-279	c10 N73-30205
US-PATENT-CLASS-340-57	c14 N71-15620	US-PATENT-CLASS-340-285	c14 N71-25901
US-PATENT-CLASS-340-97	c21 N73-13643	US-PATENT-CLASS-340-324	c08 N71-12507
US-PATENT-CLASS-340-146.1	c09 N71-18843	US-PATENT-CLASS-340-324	c09 N71-33519
US-PATENT-CLASS-340-146.1	c08 N71-22749	US-PATENT-CLASS-340-324A	c09 N72-25248
US-PATENT-CLASS-340-146.1	c10 N71-26103	TC DIMPIUM CTICC 200 200	
US-PATENT-CLASS-340-146.1	c08 N71-27255	HC DAMPHO GYACO 346 330	c26 N72-25680
US-PATENT-CLASS-340-146.1	c08 N72-22167	HC-DAMBAM, CTACC 200 226	c09 N72-25250
US-PATENT-CLASS-340-146.1	c08 N72-25207	UC DIMPUM CTICA 246 CAR	c09 N71-33519
US-PATENT-CLASS-340-146.1	c07 N73-13149	TIC DAMPAN CTACE 240 247	c08 N70-35423
70 DAMPHO 01100 010 400 400	c08 N72-25210	US-PATENT-CLASS-340-347	c08 N70-40125
NO DIMENUM OFFICE THE AND AND AND	c08 N73-12175	US-PATENT-CLASS-340-347	c08 N71-12501
70 71 71 71 71 71 71 71 71 71 71 71 71 71		US-PATENT-CLASS-340-347	c08 N71-18594
00 DIMBUM OF 100 340 446 4	c08 N73-12177	US-PATENT-CLASS-340-347	c08 N71-19435
00 D3 D3 D3 D3 D4	c08 N73-12177	US-PATENT-CLASS-340-347	c08 N71-19544
US-PATENT-CLASS-340-146.1C	c07 N73-20176	US-PATENT-CLASS-340-347	c08 N71-19687
US-PATENT-CLASS-340-146.2	c08 N71-12505	US-PATENT-CLASS-340-347	c08 N71-24650
US-PATENT-CLASS-340-146.2	c08 N71-23295	US-PATENT-CLASS-340-347	c10 N71-25917
US-PATENT-CLASS-340-147	c09 N70-33182	US-PATENT-CLASS-340-347	c10 N71-26544
US-PATENT-CLASS-340-147	c09 N70-38998	US-PATENT-CLASS-340-347	c08 N73-28045
US-PATENT-CLASS-340-147R	c07 N73-20176	US-PATENT-CLASS-340-347AD	c14 N71-28991
US-PATENT-CLASS-340-150	c10 N71-27272	US-PATENT-CLASS-340-347AD	c08 N72-21200
US-PATENT-CLASS-340-163	c07 N73-20176	US-PATENT-CLASS-340-347AD	c08 N72-22163
US-PATENT-CLASS-340-164	c10 N71-27272	US-PATENT-CLASS-340-347AD	c08 N72-22166
US-PATENT-CLASS-340-166	c10 N71-27272	US-PATENT-CLASS-340-347AD	c08 N72-31226
US-PATENT-CLASS-340-166	c10 N73-32144	US-PATENT-CLASS-340-347AD	c08 N73-20217
US-PATENT-CLASS-340-167	c07 N72-25173	US-PATENT-CLASS-340-347DA	c08 N71-27057
US-PATENT-CLASS-340-171	c09 N72-22202	HC-DAMBUM CTACC 200 2070	c08 N72-20176
US-PATENT-CLASS-340-171	c16 N73-16536	HC DAMPHE GIACO 240 2470	c08 N72-20176
US-PATENT-CLASS-340-172.5	c08 N69-21928	EC DIMENU CTIOC SEC SECTION	c08 N73-32081
US-PATENT-CLASS-340-172.5	c09 N69-24333		
US-PATENT-CLASS-340-172.5	c08 N71-12502	THE DAMENUM CTARGE RUG SUREN	c10 N71-33407
US-PATENT-CLASS-340-172.5	c08 N71-12506	HC. DAMENUM OF LOG DAG DAGE.	CO8 N72-18184
US-PATENT-CLASS-340-172.5	c31 N71-15566	NC DAMPUM CTACK 240 2400	c08 N72-20176
UC DIMENS CTICS 246 470 F	c08 N71-19288	HC DAMENO CLASS 240 2475	c08 N72-21197
76 PARTUR OF 166 PAGE 5	c08 N71-13288	US-PATENT-CLASS-340-347DD	c08 N73-12176
US-PATENT-CLASS-340-172.5	c08 N71-22710	US-PATENT-CLASS-340-347R	c08 N72-22165
US-PATENT-CLASS-340-172.5	c07 N71-24624	US-PATENT-CLASS-340-348	c08 N72-22167
US-PATENT-CLASS-340-172.5	c08 N71-27255	US-PATENT-CLASS-340-403	c10 N71-27272
US-PATENT-CLASS-340-172.5	c07 N72-25172	HC DAMPUM OF LEG 246 445	c10 N71-24798
US-PATENT-CLASS-340-172.5	c08 N72-25207	HC-DAMPHM GTAGG 30C 040	c10 N73-32144
US-PATENT-CLASS-340-172.5	c09 N72-25248	HC-D: GDVM CT LCC 343 DTC 0	c14 N73-16484
NG DAMBUM OF 100 240 470 F	c08 N73-13187		c07 N73-24176
HC DAMBUM CTACC 346 4TO 5	c08 N73-15167	US-PATENT-CLASS-343-DIG.3	c09 N72-12136
HC DAMENT CTACC 240 472	c10 N73-20176	US-PATENT-CLASS-343-5CM	c07 N72-21118
110 DIMPUM OF LOG 200 ATC 2	c08 N72-21198	US-PATENT-CLASS-343-5DP	c07 N72-11149
HC DAMPAM CTAGG 266 4727		US-PATENT-CLASS-343-5DP	c09 N73-12211
00 DIFFIE 07 100 200 470	c08 N72-21198	US-PATENT-CLASS-343-6	c30 N71-16090
NO DIMBUM OFFICE 240 474	c08 N71-12504	US-PATENT-CLASS-343-6.5	c21 N71-11766
DO DIMENU ALLES DES AUG	c09 N71-12515	US-PATENT-CLASS-343-6.5	c10 N71-23099
TO DISTRICT OFFICE SHE 474	c08 N71-18595	US-PATENT-CLASS-343-6.5R	c07 N72-12080
US-PATENT-CLASS-340-174	c08 N71-18694	US-PATENT-CLASS-343-6.5R	c07 N72-21118
US-PATENT-CLASS-340-174	c10 N71-23033	US-PATENT-CLASS-343-6.5R	c07 N72-25171
NG PARRYE GIAGG SAG 475	c10 N71-26418	US-PATENT-CLASS-343-6.5R	c08 N72-25209
US-PATENT-CLASS-340-174	c10 N71-26434	US-PATENT-CLASS-343-6.5R	c07 N73-25161
	c08 N71-28925	US-PATENT-CLASS-343-6.5R	c21 N73-30641
US-PATENT-CLASS-340-174	c10 N71-29135	US-PATENT-CLASS-343-6.8R	c07 N72-12080
US-PATENT-CLASS-340-174.1	c08 N71-21042	US-PATENT-CLASS-343-6.8R	c07 N73-25161
US-PATENT-CLASS-340-174.1	c07 N71-23001	US-PATENT-CLASS-343-6.8R	c14 N73-25461
US-PATENT-CLASS-340-174.1	c08 N71-27210	US-PATENT-CLASS-343-7.4	c10 N72-22235
US-PATENT-CLASS-340-174.1R	c21 N73-13644	US-PATENT-CLASS-343-7.5	c07 N69-39974
US-PATENT-CLASS-340-174AG	c23 N72-17747	US-PATENT-CLASS-343-7.5	c09 N71-24595
US-PATENT-CLASS-340-174CS	c08 N72-21199	US-PATENT-CLASS-343-7.5	c07 N72-11149
US-PATENT-CLASS-340-174CT	c23 N72-17747	US-PATENT-CLASS-343-11R	c09 N73-12211
US-PATENT-CLASS-340-174GA	c23 N72-17747	US-PATENT-CLASS-343-11VB	c09 N73-12211
US-PATENT-CLASS-340-174LC	c08 N72-21199	US-PATENT-CLASS-343-12	c21 N70-41930
US-PATENT-CLASS-340-174M	c08 N72-21199	US-PATENT-CLASS-343-12	c10 N72-20224
US-PATENT-CLASS-340-174SC	c23 N72-17747	US-PATENT-CLASS-343-12R	c08 N72-25209
US-PATENT-CLASS-340-174SR	c08 N72-21199	US-PATENT-CLASS-343-13	c09 N71-18598
US-PATENT-CLASS-340-177	c09 N72-17153	US-PATENT-CLASS-343-14	c07 N70-41680
US-PATENT-CLASS-340-198	c14 N70-33179	US-PATENT-CLASS-343-14	c08 N72-25209
US-PATENT-CLASS-340-198	c07 N71-11298	US-PATENT-CLASS-343-14	c14 N73-25461
US-PATENT-CLASS-340-203	c09 N72-22202	US-PATENT-CLASS-343-16	c09 N71-20864
US-PATENT-CLASS-340-207	c07 N73-25160	US-PATENT-CLASS-343-16	c10 N71-21483
US-PATENT-CLASS-340-210	c03 N72-20031	US-PATENT-CLASS-343-16M	c10 N72-22235
US-PATENT-CLASS-340-213	c10 N71-27272	00 Dimens Dio 45 -	c07 N70-36911
US-PATENT-CLASS-340-213.1	c10 N71-19417	US-PATENT-CLASS-343-17.2	
US-PATENT-CLASS-340-223	c10 N73-32144	US-PATENT-CLASS-343-17.7	c14 N73-25461 c07 N71-12391
US-PATENT-CLASS-340-227	c10 N71-16058	US-PATENT-CLASS-343-18	c31 N76-37981
US-PATENT-CLASS-340-227	c14 N71-27186	US-PATENT-CLASS-343-18	c07 N70-40063
		. =	CO / M/V-40003

	c30 N70-40309	US-PATENT-CLASS-343-840	c09 N72-12136
US-PATENT-CLASS-343-18	-07 N70-81678	US-PATENT-CLASS-343-840	c07 N72-32169
US-PATENT-CLASS-343-18	-40 171-10722	US-PATENT-CLASS-343-853	c07 N72-11148 c07 N72-22127
US-PATENT-CLASS-343-100	_07 N71_1005/L I	US-PATENT-CLASS-343-853	c07 N72-22127
US-PATENT-CLASS-343-100	c30 N71-23723	US-PATENT-CLASS-343-853	c09 N72-31235
US-PATENT-CLASS-343-100	c07 N71-24621	US-PATENT-CLASS-343-853 US-PATENT-CLASS-343-853	c10 N73-16206
US-PATENT-CLASS-343-100	c09 N71-24804	US-PATENT-CLASS-343-854	CO7 N69-27460
US-PATENT-CLASS-343-100	c31 N71-24813	US-PATENT-CLASS-343-854	c07 N71-27233
US-PATENT-CLASS-343-100	07 1174 20000	US-PATENT-CLASS-343-854	c09 N73-19234
US-PATENT-CLASS-343-100	-40 872-20027	US-PATENT-CLASS-343-872	CO7 N71-28980
US-PATENT-CLASS-343-100ME	-44 872-26432	US-PATENT-CLASS-343-873	c07 N71-19493
US-PATENT-CLASS-343-100ME US-PATENT-CLASS-343-100M	-10 172-16206	US-PATENT-CLASS-343-873	c09 N72-25247
US-PATENT-CLASS-343-100SA	.40 872 46206	US-PATENT-CLASS-343-880	c07 N73-26117 c07 N73-26117
US-PATENT-CLASS-343-100ST	c07 N72-21118	US-PATENT-CLASS-343-883	CO7 N71-27191
US-PATENT-CLASS-343-112	c21 N71-13958	US-PATENT-CLASS-343-884	c07 N73-26117
US-PATENT-CLASS-343-112	c02 N71-19287	US-PATENT-CLASS-343-889	c09 N72-21244
US-PATENT-CLASS-343-112	c21 N71-24948	US-PATENT-CLASS-343-893	c07 N73-28013
US-PATENT-CLASS-343-112CA	-24 N72-20681	US-PATENT-CLASS-343-895	c09 N73-19234
US-PATENT-CLASS-343-112CA	-44 N72-20027	US-PATENT-CLASS-343-895	c07 N73-26117
US-PATENT-CLASS-343-112D	+00 173-22110	US-PATENT-CLASS-343-912	c07 N72-21117
US-PATENT-CLASS-343-112R	-10 371-71073	US-PATENT-CLASS-343-912	c07 N72-22127
US-PATENT-CLASS-343-113	-07 N71-28625	US-PATENT-CLASS-343-915	c31 N71-16102 c09 N71-20658
US-PATENT-CLASS-343-113R	60 273 33440	US-PATENT-CLASS-343-915	c07 N72-32169
US-PATENT-CLASS-343-117	c07 N71-27056	US-PATENT-CLASS-343-915	c07 N73-14130
US-PATENT-CLASS-343-176	c07 N71-27056	US-PATENT-CLASS-343-915	c07 N73-24176
US-PATENT-CLASS-343-179	c07 N72-11149	US-PATENT-CLASS-343-915US-PATENT-CLASS-346-1	c12 N71-20815
US-PATENT-CLASS-343-179		US-PATENT-CLASS-346-1	c09 N72-21246
US-PATENT-CLASS-343-200		US-PATENT-CLASS-346-23	c14 N72-18411
US-PATENT-CLASS-343-204	00 174 17571	US-PATENT-CLASS-346-29	c09 N72-21246
US-PATENT-CLASS-343-703	-07 871-28618	US-PATENT-CLASS-346-44	c09 N69-21467
US-PATENT-CLASS-343-703 US-PATENT-CLASS-343-705	07 470 20200	US-PATENT-CLASS-346-50	c14 N71-21006 c21 N73-13644
US-PATENT-CLASS-343-705	-07 N70-40202	US-PATENT-CLASS-346-74MD	c23 N71-23976
US-PATENT-CLASS-343-705	c31 N71-10747	US-PATENT-CLASS-346-107	c14 N72-18411
US-PATENT-CLASS-343-706	c07 N72-2111/	US-PATENT-CLASS-346-107A	c14 N73-32322
US-PATENT-CLASS-343-708	c09 N71-22888	US-PATENT-CLASS-346-110	c21 N73-13644
US-PATENT-CLASS-343-708	c07 N71-22984	US-PATENT-CLASS-350-1	c23 N69-24332
US-PATENT-CLASS-343-708	-co x72-25217	US-PATENT-CLASS-350-1	c07 N71-29065
US-PATENT-CLASS-343-708	-00 N71-19720	US-PATENT-CLASS-350-1	c16 N72-12440
US-PATENT-CLASS-343-718	00 1172 12126	US-PATENT-CLASS-350-2	c23 N71-30027
US-PATENT-CLASS-343-720	-07 1172-28013	US-PATENT-CLASS-350-3.5	c16 N71-15551
US-PATENT-CLASS-343-725	07 977 20042	US-PATENT-CLASS-350-3.5	c16 N71-15565 c16 N71-15567
US-PATENT-CLASS-343-754	c09 N73-19234	US-PATENT-CLASS-350-3.5	c16 N71-15567
US-PATENT-CLASS-343-762	c07 N72-25174	US-PATENT-CLASS-350-3.5	c16 N71-29131
HS-PATENT-CLASS-343-768	c10 N71-26142	US-PATENT-CLASS-350-3.5	c14 N72-17324
US-PATENT-CLASS-343-7/0	c09 N72-31235	US-PATENT-CLASS-350-3.5	c16 N73-30476
US-PATENT-CLASS-343-771	A	US-PATENT-CLASS-350-6	c14 N69-27461
US-PATENT-CLASS-343-771	00 470 04000	US-PATENT-CLASS-350-16	c14 N72-22444
US-PATENT-CLASS-343-771	-07 N72-22127	US-PATENT-CLASS-350-19	c14 N72-22441
US-PATENT-CLASS-343-771	+00 1172-252117	US-PATENT-CLASS-350-23	c14 N72-22441
US-PATENT-CLASS-343-771	c09 N72-31235	US-PATENT-CLASS-350-26	c14 N72-22441 c14 N72-22441
US-PATENT-CLASS-343-772	c07 N72-20141	US-PATENT-CLASS-350-35	C14 N72-22441
US-PATENT-CLASS-343-773	c07 N72-20141	US-PATENT-CLASS-350-36	c14 N72-22441
US-PATENT-CLASS-343-776	c07 N71-12396	US-PATENT-CLASS-350-49	c14 N72-22441
US-PATENT-CLASS-343-777	c07 N71-27233	US-PATENT-CLASS-350-52	c14 N72-22444
US-PATENT-CLASS-343-777	-07 1174 11705	US-PATENT-CLASS-350-55	c23 N71-33229
US-PATENT-CLASS-343-779	-40 N72-2225	US-PATENT-CLASS-350-55	c14 N73-30393
US-PATENT-CLASS-343-779	-07 N72-25178	US-PATENT-CLASS-350-55	c23 N73-30666
US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-781	c09 N70-35219	US-PATENT-CLASS-350-58	c14 N71-15604
US-PATENT-CLASS-343-781	c09 N70-35382	US-PATENT-CLASS-350-79	c14 N72-32452 c14 N72-22445
US-PATENT-CLASS-343-781	c09 N70-35425	US-PATENT-CLASS-350-86	c07 N71-26291
US-PATENT-CLASS-343-781	c07 N72-32169	US-PATENT-CLASS-350-96	c23 N71-29123
US-PATENT-CLASS-343-782		US-PATENT-CLASS-350-138	c23 N72-27728
US-PATENT-CLASS-343-784	-07 174-15007	US-PATENT-CLASS-350-147	c14 N72-27409
US-PATENT-CLASS-343-786	-07 171-22750	US-PATENT-CLASS-350-150	c26 N72-25680
US-PATENT-CLASS-343-786	-07 N74-26101	US-PATENT-CLASS-350-160R	c14 N72-25410
US-PATENT-CLASS-343-786 US-PATENT-CLASS-343-786	AT 1174 07000	US-PATENT-CLASS-350-160R	c26 N72-25680
US-PATENT-CLASS-343-786	c07 N72-20141	US-PATENT-CLASS-350-161	c26 N72-27784 c14 N72-17323
ns-patent-Class-343-786	c10 N72-22235	US-PATENT-CLASS-350-162	c23 N73-30666
US-PATENT-CLASS-343-786	c07 N72-251/4	US-PATENT-CLASS-350-162SF	c23 N72-23695
US-PATENT-CLASS-343-786	c09 N72-31235	US-PATENT-CLASS-350-171	c14 N72-25414
US-PATENT-CLASS-343-797		US-PATENT-CLASS-350-17515	c23 N71-24857
US-PATENT-CLASS-343-797		US-PATENT-CLASS-350-109	c14 N73-30393
US-PATENT-CLASS-343-797	-67 1172 20012	US-PATENT-CLASS-350-202	c23 N73-20741
US-PATENT-CLASS-343-/9/		US-PATENT-CLASS-350-203	c14 N72-25409
US-PATENT-CLASS-343-799	-07 977 20012	US-PATENT-CLASS-350-204	c14 N73-30393
US-PATENT-CLASS-343-803US-PATENT-CLASS-343-823	c07 N71-28979	US-PATENT-CLASS-350-213	c14 N71-15622 c09 N71-19479
US-PATENT-CLASS-343-023	c31 N70-34135	US-PATENT-CLASS-350-275	c14 N71-15605
US-PATENT-CLASS-343-837	c07 N72-32169	US-PATENT-CLASS-350-285	c14 N71-17662
US-PATENT-CLASS-343-837	c07 N73-14130	US-PATENT-CLASS-350-285	c19 N71-26674
HS-PATENT-CLASS-343-839		US-PATENT-CLASS-350-285	c15 N72-11386
UŞ-PATENT-CLASS-343-840	c07 N71-27233	On things of the state of the s	

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OS-PATENT-CLASS-350-285	*********	c16	N73-33397	US-PATENT-CLASS-425	-77	c15	N72-20446
US-PATENT-CLASS-350-286	•••••	c07	N71-29065	US-PATENT-CLASS-425			N73-13464
US-PATENT-CLASS-350-287	•••••		N72-11386	US-PATENT-CLASS-425	-133		N73-13464
US-PATENT-CLASS-350-288	•••••		N71-29123	US-PATENT-CLASS-425	-176		N73-13464
US-PATENT-CLASS-350-293 US-PATENT-CLASS-350-310	•••••		N73-16536	US-PATENT-CLASS-431		c23	N73-30665
US-PATENT-CLASS-350-310	•••••		NE9-24321	US-PATENT-CLASS-431-		c23	N73-30665
US-PATENT-CLASS-350-310	• • • • • • • • • • • • • • • • • • • •		N71-24868	US-PATENT-CLASS-431-	-352	c28	N71-28915
US-PATENT-CLASS-350-310			N71-29123 N71-33229				
US-PATENT-CLASS-350-310			N72-22673	US-PATENT-RE-26,548	••••••	c07	ัน71-12389
US-PATENT-CLASS-350-312	•••••		N72-12440	. HC_DAMENM_2 927 706			
NO DIMENUM ATTOC 354 00	••••••		N73-26072	US-PATENT-2,837,706 US-PATENT-2,898,889	•••••		N71-28952
HC DAMPUM OF LCG 354 36	• • • • • • • • • • •		N73-26072	US-PATENT-2,903,307	••••••		N71-29128
DC DIFFUR CTICS 354 36	• • • • • • • • • • • •		N73-26072	US-PATENT-2,926,123	•••••••	c15	
US-PATENT-CLASS-352-84	• • • • • • • • • • •		N71-33410	US-PATENT-2,934,331	*************		N71-29151 N70-33382
US-PATENT-CLASS-352-84	• • • • • • • • • • • •	c14	N72-18411	US-PATENT-2,940,259	*************		N70-33362
US-PATENT-CLASS-352-169	• • • • • • • • • • • •	c14	N73-14427	US-PATENT-2,944,316	*************		N71-16076
	• • • • • • • • • • •		N73-33361	US-PATENT-2,945,667	************		N70-33376
00 Dimeum crisc 256 "	• • • • • • • • • • •		N72-17326	US-PATENT-2,956,772	***********		N71-29152
00 DAMENUM 67160 357 5	• • • • • • • • • • • •		N73-26119	US-PATENT-2,960,002	• • • • • • • • • • • • • • • • • • • •		N70-41946
	• • • • • • • • • • • •		N73-26119	US-PATENT-2,971,837	•••••		N70-33283
NO DAMENM CTAGG 356 40	• • • • • • • • • • • •		N72-21409	US-PATENT-2,974,925	• • • • • • • • • • • • • • • • • • • •	c28	N70-33372
TO DISTUR OF 100 250 00	• • • • • • • • • • • • •		N72-21409	US-PATENT-2,984,735	• • • • • • • • • • • • • • • • • • • •	c11	N70-33329
HC DAMENM OF LCC OC	• • • • • • • • • • • • • • • • • • • •		N71-19212 N71-24828	US-PATENT-2,991,671	•••••	c15	N70-33330
HC DIMENS OFFICE SEC SO	• • • • • • • • • • • • •		N72-11364	US-PATENT-2,991,961	• • • • • • • • • • • • • • • • • • • •		N70-33332
DC DIMENUM COLOGO OF CO.	• • • • • • • • • • • • •		N73-20740	US-PATENT-2,996,212 US-PATENT-2,997,274	************		N71-17680
NO DIFFERM OF LOS DEC DE	•••••••		N71-16365	US-PATENT-3,001,363	• • • • • • • • • • • • • • • • • • • •		N71-29154
	*********		N72-31141	US-PATENT-3,001,395	•••••		N70-33331
UC-DIMBUM OFFICE SEC TO			N71-23268	US-PATENT-3,001,739	••••••		N70-33386
US-PATENT-CLASS-356-72			N73-27796	US-PATENT-3,004,735	••••••		N70-33343
	••••••	c30	N71-15990	US-PATENT-3,005,081	*************		N70-33322 N70-33312
US-PATENT-CLASS-356-76	• • • • • • • • • • • •	c23	N71-26206	US-PATENT-3,005,339	************		N70-33312
	• • • • • • • • • • •		N71-29041	US-PATENT-3,008,229	***********		N70-33311
US-PATENT-CLASS-356-103	•••••		N71-28994	US-PATENT-3,010,372	••••••		N70-33180
US-PATENT-CLASS-356-104	•••••		N71-24074	US-PATENT-3,011,760	•••••		N70-33226
US-PATENT-CLASS-356-106 US-PATENT-CLASS-356-106	•••••		N71-17627	US-PATENT-3,012,400	*************		N70-33374
US-PATENT-CLASS-356-106	•••••		N71-17655	US-PATENT-3,012,407	••••••	c15	N70-33323
US-PATENT-CLASS-356-106	•••••••		N71-27215	US-PATENT-3,016,693	•••••		N70-33356
US-PATENT-CLASS-356-106S	••••••		N73-12446 N73-13661	US-PATENT-3,016,863	•••••		N70-33305
US-PATENT-CLASS-356-107			N71-24170	US-PATENT-3,022,672	•••••		N70-34816
US-PATENT-CLASS-356-108	**********		N73-26751	US-PATENT-3,024,659 US-PATENT-3,028,122	• • • • • • • • • • • • • • • • • • • •		N70-34820
US-PATENT-CLASS-356-108	********		N73-30476	US-PATENT-3,028,126	•••••		N70-33286
US-PATENT-CLASS-356-109	********		N73-30476	US-PATENT-3,028,128	•••••		N70-33279
US-PATENT-CLASS-356-110	• • • • • • • • • • • •		N73-25463	US-PATENT-3,035,333	• • • • • • • • • • • • • • • • • • • •		N70-33242
	•••••	c14	N72-17323	US-PATENT-3,038,077	••••••		N70-41818 N70-33181
US-PATENT-CLASS-356-114		c14	N73-12446	US-PATENT-3,038,175	***************************************		N70-33181
US-PATENT-CLASS-356-117	•••••	c23	N71-16101	US-PATENT-3,C41,587	***************************************		N70-33283
US-PATENT-CLASS-356-138	•••••		N72-20379	US-PATENT-3,C41,924	***************************************		N70-33254
US-PATENT-CLASS-356-138	•••••		N73-33397	US-PATENT-3,045,424	***********		N70-40367
DC-DAMENM OF LOG DEC 404			N72-27409	US-PATENT-3,049,876	•••••		N70-33284
HE-DAMENE CLASS SEC 400			N73-28490	US-PATENT-3,053,484	•••••	c02	N70-33255
HC-DAMENM CTACC DEC 400			N73-33397	US-PATENT-3,057,597	•••••	c15	N70-33264
HC-DIMPUM CTICC OCC 450			N71-28740 N71-28740	US-PATENT-3,059,220	•••••	c09	N70-33182
70 BIGGER			N72-13437	US-PATENT-3,063,291	•••••		N70-33278
DC-DIMBUM OFFICE SEC 450			N72-20379	US-PATENT-3,064,928	• • • • • • • • • • • • • • • • • • • •		N70-33266
TIC-DAMEND OFFCO SEC 450			N72-27409	US-PATENT-3,067,573 US-PATENT-3,068,658	• • • • • • • • • • • • • • • • • • • •		N70-39899
US-PATENT-CLASS-356-152			173-25462	US-PATENT-3,069,123	*************		N70-34247
US-PATENT-CLASS-356-153	•••••	c15 1	N71-28740	US-PATENT-3,070,330	••••••		N70-39898 N70-34539
US-PATENT-CLASS-356-153	•••••	c23 1	N71-29125	US-PATENT-3,070,349	**************		N70-34539
US-PATENT-CLASS-356-153	• • • • • • • • • • •	c16 1	173-33397	US-PATENT-3,070,407	*************		N70-39896
			71-26673	US-PATENT-3,072,574	*************	4.0	N70-39897
HC Dimbum or and or a sec			73-26751	US-PATENT-3,076,065	*******		N70-39915
HC-DAMBUM CTACC DEC 465			771-23175	US-PATENT-3,077,599	•••••	c07	N70-40202
HC-DAMBUM GIAGG SEC 436			N72-11364	US-PATENT-3,079,113	•••••	c02	N70-38009
HC DAMENT CLASS OF C. CA.			173-33397 173-26751	US-PATENT-3,08C,711	•••••	c28	N70-38711
HC DICTUM OF LES DES DOS			171-26788	US-PATENT-3,083,611	•••••		N70-35427
HC-DAMPUM CYACO 356 300			71-16341	US-PATENT-3,084,421	•••••		N70-38490
US-PATENT-CLASS-356-209			71-28993	US-PATENT-3,085,165 US-PATENT-3,087,692	•••••		N7C-34819
US-PATENT-CLASS-356-209			72-17323	US-PATENT-3,088.441	•••••		N70-34178
US-PATENT-CLASS-356-222			72-20033	US-PATENT-3,090,212	*************		N70-35409
US-PATENT-CLASS-356-241			172-32452	US-PATENT-3,090,580	**************		N70-37979 N70-37924
			172-17323	US-PATENT-3,093,000	••••••		N70-37924 N70-37925
			72-22444	US-PATENT-3,093,346	••••••		N70-37938
		_	71-33518	US-PATENT-3,098,630	************		N70-37939
			72-11018	US-PATENT-3,100,294	•••••		N70-38998
DE-DIMENUM CTICO 446 400			72-11018	US-PATENT-3,100,990			N70-34813
HC DAMPAN OF LOC BAC AND			172-11018	US-PATENT-3,102,948	•••••		N70-34814
HC-DAMPNM-CTACC MAC 400			172-11018 172-11018	US-PATENT-3,104,079	• • • • • • • • • • • • • • • • • • • •		N70-37986
70 DIEDUE 07107 444 444			72-11018		• • • • • • • • • • • • • • • • • • • •		N70-38011
DC-DAGRUM OF LOG 445 CO			71-27084	US-PATENT-3,105,515	•••••		N70-38603
NO DAMPUM OF LOG BAT AND			72-22489	US-PATENT-3,106,603 US-PATENT-3,108,171	• • • • • • • • • • • • • • • • • • • •		N70-38201
US-PATENT-CLASS-417-391			73-24513	US-PATENT-3,110,318	••••••••••••		N70-34812
US-PATENT-CLASS-423-446			73-19457	US-PATENT-3,112,672	••••••		N70-38997
US-PATENT-CLASS-423-625			73-19457	UC-D10000 3 445 (36	••••••		N70-38202 N70-37981
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4 440 430		c03 N71-29129	US-PATENT-3,185,023		c14 N70-34298
US-PATENT-3,118,100 US-PATENT-3,119,232		c28 N70-37980	US-PATENT-3, 187, 583		c11 N70-38675
US-PATENT-3, 120, 101		c28 N70-34860	US-PATENT-3,188,472	• • • • • • • • • • • • • • • • • • • •	c21 N70-34297
US-PATENT-3, 120, 361		c31 N70-38010			c15 N70-34249 c21 N70-34295
US-PATENT-3, 120, 738	• • • • • • • • • • • • • • • • • • • •	c28 N70-38249	US-PATENT-3,189,299 US-PATENT-3,189,535		c15 N70-34967
US-PATENT-3,121,309		c28 N70-35381 c15 N70-38020	US-PATENT-3,189,726		c33 N70-34545
US-PATENT-3,122,000 US-PATENT-3,122,098		C28 N70-38181	US-PATENT-3,189,794	•••••	c09 N70-34502
US-PATENT-3,122,885		c28 N70-38710	US-PATENT-3,189,864	• • • • • • • • • • • • • • • • • • • •	c09 N70-34596 c31 N70-34966
US-PATENT-3,123,248		c11 N70-38182	US-PATENT-3,191,316 US-PATENT-3,191,379		c27 N70-35534
US-PATENT-3,127,157	• • • • • • • • • • • • • • • • • • • •	c15 N70-38225 c09 N70-38604	US-PATENT-3,191,907		c15 N70-34859
US-PATENT-3,128,389 US-PATENT-3,128,845		c15 N70-38601	US-PATENT-3,192,730		c06 N70-34946
US-PATENT-3,120,045		c33 N70-33344	US-PATENT-3,193,883	• • • • • • • • • • • • • • • • • • • •	c27 N70-34783 c14 N70-34794
US-PATENT-3, 132, 342		cC7 N70-38200	US-PATENT-3,194,060 US-PATENT-3,194,525		c11 N70-35383
US-PATENT-3, 132, 476	• • • • • • • • • • • • • • • • • • • •	c28 N70-34294 c15 N71-28951	US-PATENT-3, 194, 951		c08 N70-34778
US-PATENT-3,132,479		c15 N70-38620	US-PATENT-3,196,261		c08 N70-34787
US-PATENT-3,132,903 US-PATENT-3,135,089		c28 N70-38504	US-PATENT-3,196,362	•••••	c09 N70-35440
US-PATENT-3,135,090		c28 N70-38505	US-PATENT-3,196,557	• • • • • • • • • • • • • • • • • • • •	c11 N70-34815 c14 N70-35394
US-PATENT-3, 136, 123		c28 N70-38199	US-PATENT-3, 196, 558 US-PATENT-3, 196, 598		c28 N70-34788
US-PATENT-3, 137, 082	• • • • • • • • • • • • • • • • • • • •	c09 N73-14215 c17 N7C-38198	US-PATENT-3,196,675		c14 N70-34818
US-PATENT-3,138,837 US-PATENT-3,139,725		c28 N70-38645	US-PATENT-3,196,690		c11 N70-34786
US-PATENT-3,140,728		c15 N70-36908	US-PATENT-3,197,616	• • • • • • • • • • • • • • • • • • • •	c14 N71-28958 c22 N70-34501
US-PATENT-3,141,340		c11 N70-38196	US-PATENT-3,198,709		cC8 N70-34743
US-PATENT-3,141,769	• • • • • • • • • • • • • • • • • • • •	c28 N70-38197 c03 N70-38713	US-PATENT-3,198,955 US-PATENT-3,198,994		c26 N73-28710
US-PATENT-3,141,932		c15 N70-34850	US-PATENT-3,199,340		c14 N70-34799
US-PATENT-3,143,321 US-PATENT-3,143,651		c14 N70-40240	US-PATENT-3,199,343	••••	c11 N70-34844
US-PATENT-3,144,219	• • • • • • • • • • • • • • • • • • • •	c31 N7C-38676	US-PATENT-3,199,931	• • • • • • • • • • • • • • • • • • • •	c15 N70-34664 c03 N70-34667
US-PATENT-3,144,999	• • • • • • • • • • • • • • • • • • • •	c02 N70-34856	US-PATENT-3,200,706 US-PATENT-3,201,560		c33 N70-34540
US-PATENT-3,145,874		c11 N71-15960 c09 N70-38712	US-PATENT-3,201,635		c25 N70-34661
US-PATENT-3,147,422 US-PATENT-3,149,897		c09 N70-36494	US-PATENT-3,201,980	•••••••	c14 N70-40203
US-PATENT-3,150,329		c09 N70-38995	US-PATENT-3,202,381	• • • • • • • • • • • • • • • • • • • •	c31 N70-34176 c28 N71-28928
US-PATENT-3,150,387	• • • • • • • • • • • • • • • • • • • •	c03 N70-36778	US-PATENT-3,202,398 US-PATENT-3,202,582		c22 N70-34572
US-PATENT-3,152,344	• • • • • • • • • • • • • • • • • • • •	c05 N70-36493 c05 N7C-34857	US-PATENT-3,202,844		c03 N70-34134
US-PATENT-3,155,992 US-PATENT-3,156,090		c28 N70-37245	US-PATENT-3,202,915	• • • • • • • • • • • • • • • • • • • •	c14 N70-38602
US-PATENT-3,157,529		c18 N70-36400	US-PATENT-3,202,998	••••	c31 N70-34135
US-PATENT-3, 158, 172		c15 N7C-34817	US-PATENT-3,204,447	• • • • • • • • • • • • • • • • • • • •	c14 N70-34156 c03 N70-34157
US-PATENT-3,158,336	• • • • • • • • • • • • • • • • • • • •	c31 N70-36410	US-PATENT-3,204,889 US-PATENT-3,205,141		c14 N70-34669
US-PATENT-3, 158, 764	• • • • • • • • • • • • • • • • • • • •	c03 N70-36803 c28 N70-36802	US-PATENT-3,205,361		c14 N70-34158
US-PATENT-3, 159, 967 US-PATENT-3, 160, 567		c14 N7C-36808	US-PATENT-3,205,362		c21 N70-35089
US-PATENT-3,160,825		c14 N70-35220	US-PATENT-3,205,381	• • • • • • • • • • • • • • • • • • • •	c03 N70-35408 c21 N70-35395
US-PATENT-3, 160, 950		c15 N70-36409	US-PATENT-3,206,141		c28 N70-34162
US-PATENT-3,162,012	• • • • • • • • • • • • • • • • • • • •	c15 N70-36411 c14 N70-36907	US-PATENT-3,208,215 US-PATENT-3,208,272		c14 N70-34161
US-PATENT-3, 163, 935 US-PATENT-3, 164, 222		c15 N70-34861	US-PATENT-3,208,694		c02 N70-34160
US-PATENT-3, 164, 369		c15 N70-36412	US-PATENT-3,208,707	• • • • • • • • • • • • • • • • • • • •	c31 N70-34159
US-PATENT-3, 165, 356		c05 N70-35152	US-PATENT-3,209,360	• • • • • • • • • • • • • • • • • • • •	c09 N70-35219 c09 N70-35425
US-PATENT-3, 166, 834	• • • • • • • • • • • • • • • • • • • •	c15 N70-36901 c17 N70-36616	US-PATENT-3,209,361 US-PATENT-3,210,927		c28 N70-34175
US-PATENT-3, 167, 426 US-PATENT-3, 168, 827		c14 N70-36807	US-PATENT-3,211,169		c15 N70-35087
US-PATENT-3, 169,001		c02 N70-36825	US-PATENT-3,211,414	• • • • • • • • • • • • • • • • • • • •	c15 N70-35407
US-PATENT-3,169,613		c15 N70-36947	US-PATENT-3,212,096	••••••	c09 N70-35382 c28 N71-29153
US-PATENT-3,169,725	• • • • • • • • • • • • • • • • • • • •	c31 N70-34296	US-PATENT-3,212,259 US-PATENT-3,212,325		c14 N70-34705
US-PATENT-3, 170, 286		c15 N70-36535 c28 N70-36910	US-PATENT-3,212,564		c33 N71-29052
US-PATENT-3, 170, 290 US-PATENT-3, 170, 295		c27 N71-28929	US-PATENT-3,215,572		c12 N70-40124
US-PATENT-3,170,324		c14 N70-36824	US-PATENT-3,215,842	• • • • • • • • • • • • • • • • • • • •	c16 N71-28963 c08 N70-40125
US-PATENT-3,170,471	• • • • • • • • • • • • • • • • • • • •	c32 N70-36536	US-PATENT-3,216,007 US-PATENT-3,217,624		c14 N70-40123
US-PATENT-3,170,486	• • • • • • • • • • • • • • • • • • • •	c15 N70-36492 c15 N70-38996	US-PATENT-3,218,479		c09 N70-40272
US-PATENT-3,170,605 US-PATENT-3,170,657		c02 N70-34858	US-PATENT-3,218,547	• • • • • • • • • • • • • • • • • • • •	c09 N70-40123
US-PATENT-3,170,660		c02 N70-36804	US-PATENT-3,218,850	•••••	c14 N70-40400
US-PATENT-3,170,773		c17 N70-33288	US-PATENT-3,219,250	• • • • • • • • • • • • • • • • • • • •	c15 N70-40204 c15 N71-28937
US-PATENT-3, 171, 060		c25 N70-33267 c14 N70-35666	US-PATENT-3,219,365 US-PATENT-3,219,997		c08 N73-28045
US-PATENT-3,171,081 US-PATENT-3,172,097		c08 N70-35423	US-PATENT-3,220,004	***************************************	c30 N70-40309
US-PATENT-3, 173, 246		c28 N70-33265	US-PATENT-3,221,547		c14 N70-40201
US-PATENT-3, 173, 251		c28 N70-33375	US-PATENT-3,221,549	• • • • • • • • • • • • • • • • • • • •	c14 N70-40157 c15 N70-40156
US-PATENT-3,174,278		c25 N70-36946 c28 N70-36806	US-PATENT-3,223,374 US-PATENT-3,224,001		c07 N70-40150
US-PATENT-3, 174, 279		c26 N70-36805	US-PATENT-3,224,173		c15 N70-40062
US-PATENT-3,174,827 US-PATENT-3,175,789		c31 N70-36654	US-PATENT-3,224,263	• • • • • • • • • • • • • • • • • • • •	c15 N70-40180
US-PATENT-3, 176, 222		c14 N70-36618	US-PATENT-3,224,336	• • • • • • • • • • • • • • • • • • • •	c30 N70-40353
US-PATENT-3,176,499		c14 N70-35368	US-PATENT-3,228,492		c15 N70-40354 c14 N70-40233
US-PATENT-3, 176, 933		c33·N70-36617 c33 N70-36847	US-PATENT-3,228,558 US-PATENT-3,229,099		c14 N70-40238
US-PATENT-3,177,933 US-PATENT-3,178,883		c21 N70-36938	US-PATENT-3,229,102		c14 N70-40239
US-PATENT-3, 180, 264		c33 N70-36846	US-PATENT-3,229,139	•••••	c28 N70-39925
US-PATENT-3,180,587	7	c21 N70-36943	US-PATENT-3,229,155		c25 N70-41628 c28 N70-39931
US-PATENT-3, 181,821		c31 N70-36845	US-PATENT-3,229,463 US-PATENT-3,229,568		c14 N70-40003
US-PATENT-3, 182, 496		c11 N70-36913 c07 N70-36911	US-PATENT-3,229,636		c03 N70-39930
US-PATENT-3,183,506 US-PATENT-3,184,915		c22 N70-34248	US-PATENT-3,229,682	•••••	c09 N70-40234

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US-PATENT-3,229,689	• • • • • • • • • • • • • • • •	c05 N70-39922	US-PATENT-3,277,375	•••••	c07 N71-11284
US-PATENT-3,229,884	• • • • • • • • • • • • • • • • • • • •	c15 N70-39924	US-PATENT-3,277,458	•••••	c10 N71-16058
US-PATENT-3,229,930	• • • • • • • • • • • • • • • •	c30 N70-40016	US-PATENT-3,277,486		c31 N71-10747
US-PATENT-3,230,053	• • • • • • • • • • • • • • • • • • • •	c26 N70-40015	US-PATENT-3,279,193	•••••	c33 N71-28852
US-PATENT-3,236,066	************	c15 N71-28959	US-PATENT-3,281,963	************	c11 N71-10746
US-PATENT-3,237,253		c15 N71-15966	US-PATENT-3,281,964	***********	c11 N71-10776
US-PATENT-3,238,345		c11 N71-15925	US-PATENT-3,281,965	**************	c11 N71-10748
US-PATENT-3,238,413		c25 N71-29184	US-PATENT-3,282,035	*****************	c11 N71-10777
US-PATENT-3,238,715	•••••	C28 N71-14043	US-PATENT-3,282,091		
US-PATENT-3,238,730	*************	c03 N71-12260	US-PATENT-3, 282, 532	• • • • • • • • • • • • • • • • • • • •	c14 N71-10781
US-PATENT-3,238,774		c14 N71-14996		••••••	c31 N71-17729
US-PATENT-3,238,777		c14 N71-15598	US-PATENT-3,282,541	••••••	c31 N71-24750
US-PATENT-3,239,660	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,282,739	•••••	c03 N71-11053
	• • • • • • • • • • • • • • • • • • • •	c23 N71-30292	US-PATENT-3,282,740	• • • • • • • • • • • • • • • • • • • •	c03 N71-11051
US-PATENT-3,242,716	•••••	c14 N71-15992	US-PATENT-3,283,088	••••••	c10 N71-15909
US-PATENT-3,243,154	•••••	c23 N71-15673	US-PATENT-3,283,175	•••••	c10 N71-15910
US-PATENT-3,243,791	••••••	c07 N71-11298	US-PATENT-3,283,241		c14 N71-16014
US-PATENT-3,244,943	•••••	c15 N73-28516	US-PATENT-3,286,274		c05 N71-12335
US-PATENT-3,249,012	•••••	c03 N71-12258	US-PATENT-3,286,531	•••••	c30 N71-17788
US-PATENT-3,249,013	• • • • • • • • • • • • • • • •	c03 N71-12259	US-PATENT-3,286,629	• • • • • • • • • • • • • • • • • • • •	c31 N71-17730
US-PATENT-3,251,053	• • • • • • • • • • • • • • • •	c08 N71-12501	US-PATENT-3,286,630	• • • • • • • • • • • • • • • • • • • •	c31 N71-10582
US-PATENT-3,252,100	• • • • • • • • • • • • • • • • • • • •	c10 N71-28960	US-PATENT-3,286,882	************	c27 N71-29155
US-PATENT-3,254,395	• • • • • • • • • • • • • • • • • • • •	c28 N71-15658	US-PATENT-3,286,953	*************	c21 N70-41856
US-PATENT-3,254,487		c28 N71-15659	US-PATENT-3,286,957	• • • • • • • • • • • • • • • • • • • •	c02 N70-41863
US-PATENT-3,257,780		c15 N71-15968	US-PATENT-3,287,031	*****************	
US-PATENT-3,258,582	************	c02 N71-13421	US-PATENT-3,287,174		c15 N70-41808
US-PATENT-3,258,687	************	c14 N71-15962	US-PATENT-3,287,496	•••••	c03 N70-41864
US-PATENT-3,258,831		c15 N71-15986		•••••	c14 N70-41807
US-PATENT-3,258,912	• • • • • • • • • • • • • • • • • • • •	c27 N71-15634	US-PATENT-3,287,582	•••••	c28 N70-41576
US-PATENT-3,258,918		c27 N71-15635	US-PATENT-3,287,640	•••••	c09 N70-41655
US-PATENT-3,260,055		c23 N71-15467	US-PATENT-3,287,660	•••••	c16 N70-41578
US-PATENT-3,260,204			US-PATENT-3,287,725	•••••	c07 N70-41680
US-PATENT-3,260,326	• • • • • • • • • • • • • • • • • • • •	c31 N71-15692	US-PATENT-3,289,205	•••••	c07 N70-41678
	• • • • • • • • • • • • • • • • • • • •	c11 N71-28779	US-PATENT-3,295,360	•••••	c14 N70-41681
US-PATENT-3,261,210	• • • • • • • • • • • • • • • • • • • •	c14 N71-15969	US-PATENT-3,295,366	•••••	c11 N70-41677
US-PATENT-3,262,025	• • • • • • • • • • • • • • • • • • • •	c15 N73-32361	US-PATENT-3,295,377	•••••	c14 N70-41682
US-PATENT-3,262,186	• • • • • • • • • • • • • • • • • • • •	c15 N71-16052	US-PATENT-3,295,386	***********	c05 N70-41581
US-PATENT-3,262,262	• • • • • • • • • • • • • • • • • • • •	c28 N71-15661	US-PATENT-3,295,512	• • • • • • • • • • • • • • • • • • • •	c03 N70-41580
US-PATENT-3,262,351	• • • • • • • • • • • • • • • • • • • •	c15 N71-15922	US-PATENT-3,295,545		c15 N70-41646
US-PATENT-3,262,365	• • • • • • • • • • • • • •	c31 N71-15675	US-PATENT-3,295,556	•••••	c32 N7G-41579
US-PATENT-3,262,395	************	c15 N71-30028	US-PATENT-3,295,684	• • • • • • • • • • • • • • • • • • • •	c28 N70-41447
US-PATENT-3,262,518		c05 N71-11199	US-PATENT-3,295,699	************	c32 N70-41367
US-PATENT-3,262,655		c31 N71-15663	US-PATENT-3,295,782	•••••	c14 N70-41647
US-PATENT-3,263,016		c33 N71-15625	US-PATENT-3,295,790	******************	c31 N70-41588
US-PATENT-3,263,171		c09 N71-13530	US-PATENT-3,295,798	•••••	c02 N70-41589
US-PATENT-3,263,610		c15 N71-13789	US-PATENT-3,295,808	**************	c15 N70-41310
US-PATENT-3,264,135		c15 N71-16075	US-PATENT-3,296,060		
US-PATENT-3,270,441	••••••	c11 N71-16028	US-PATENT-3,296,526	••••••	c18 N70-41583
US-PATENT-3,270,499	************	c28 N71-15660	US-PATENT-3,296,531		c14 N70-41332
US-PATENT-3,270,501	•••••••	c31 N71-15647		•••••	c07 N70-41331
US-PATENT-3,270,503		c33 N71-15623	US-PATENT-3,298,175	•••••	c33 N71-29053
US-PATENT-3,270,504			US-PATENT-3,298,182	•••••	c28 N70-41311
US-PATENT-3,270,505	• • • • • • • • • • • • • • • • • • • •	c31 N71-15637	US-PATENT-3,298,221	•••••	c14 N70-41330
US-PATENT-3,270,512	•••••	c21 N71-15582	US-PATENT-3,298,285	• • • • • • • • • • • • • • • • • • • •	c32 N70-41370
	• • • • • • • • • • • • • • • • • • • •	c15 N71-15906	US-PATENT-3,298,362	•••••	c05 N7C-41329
US-PATENT-3,270,565	• • • • • • • • • • • • • • • • • • • •	c14 N71-30265	US-PATENT-3,298,582	•••••	c14 N71-28935
US-PATENT-3,270,756	• • • • • • • • • • • • • • • • • • • •	c15 N71-15967	US-PATENT-3,299,364	• • • • • • • • • • • • • • • • • • • •	c16 N71-15550
US-PATENT-3,270,802	• • • • • • • • • • • • • • • • • • • •	c33 N71-24876	US-PATENT-3,299,431	************	c07 N71-28979
US-PATENT-3,270,835	• • • • • • • • • • • • • • • • • • • •	c28 N70-41582	US-PATENT-3,299,913	••••••	c15 N71-15918
US-PATENT-3,270,908	• • • • • • • • • • • • • • • • • • • •	c31 N71-15664	US-PATENT-3,300,162		c31 N70-41373
US-PATENT-3,270,985	• • • • • • • • • • • • • • • • • • • •	c21 N71-15583	US-PATENT-3,300,717	*************	c25 N71-15650
US-PATENT-3,270,986	• • • • • • • • • • • • • • • • • • • •	c05 N71-12336	US-PATENT-3,300,731	*************	c07 N70-41372
US-PATENT-3,270,988	•••••	c01 N71-13410	US-PATENT-3,300,847		c15 N70-41371
US-PATENT-3,270,989	• • • • • • • • • • • • • • • • • • • •	c02 N71-11041	US-PATENT-3,300,949		c05 N70-41297
US-PATENT-3,270,990	• • • • • • • • • • • • • • • • • • • •	c28 N71-15563	US-PATENT-3,300,981		c28 N70-41275
US-PATENT-3,271,140	• • • • • • • • • • • • • • • • • • • •	c17 N71-15644	US-PATENT-3,301,046	************	c14 N70-41366
US-PATENT-3,271,181	• • • • • • • • • • • • • • • • • • • •	c15 N71-16077	US-PATENT-3,301,315	***********	c09 N70-41717
US-PATENT-3,271,532	• • • • • • • • • • • • • • • • • • • •	c09 N71-16089	US-PATENT-3,301,507	***********	c31 N70-41631
US-PATENT-3,271,558	• • • • • • • • • • • • • •	c15 N71-15871	US-PATENT-3,301,511		c02 N70-41630
US-PATENT-3,271,594	•••••	c10 N71-28739	US-PATENT-3,301,578	************	c15 N70-41629
US-PATENT-3,271,620	• • • • • • • • • • • • • •	c09 N71-12540	US-PATENT-3,302,023	•••••	c14 N70-41676
US-PATENT-3,271,637	• • • • • • • • • • • • • • • • • • • •	c26 N71-18064	US-PATENT-3,302,040	************	c09 N70-41675
US-PATENT-3,271,649	• • • • • • • • • • • • • • • • • • • •	c10 N71-16030	US-PATENT-3,302,569	*************	c15 N70-41679
US-PATENT-3,273,C94		c23 N71-29049	US-PATENT-3,302,633		c05 N70-41819
US-PATENT-3,273,355	• • • • • • • • • • • • • • • • • • • •	c33 N71-17897	US-PATENT-3,302,662		
US-PATENT-3,273,381		c32 N71-17645	US-PATENT-3,302,960		c15 N70-41811
US-PATENT-3,273,388		c09 N71-16086	US-PATENT-3,303,304		c15 N70-41829
US-PATENT-3,273,392		c23 N71-17802	US-PATENT-3,304,028	*************	c14 N70-41812
US-PATENT-3,273,399	*************	c12 N71-24692	US-PATENT-3,304,718		c31 N70-41855
US-PATENT-3,274,304	*************	c26 N71-17818		•••••	c28 N70-41922
US-PATENT-3,276,251		c11 N71-15926	US-PATENT-3,304,724	•••••	c31 N70-41948
US-PATENT-3,276,376		c31 N71-17629	US-PATENT-3,304,729	•••••	c31 N70-41871
US-PAIENT-3,276,602	• • • • • • • • • • • • • • • • • • • •	c32 N71-17609	US-PATENT-3,304,768	•••••	c32 N70-42003
US-PATENT-3,276,679			US-PATENT-3,304,773	•••••	c14 N70-41957
US-PATENT-3,276,722		c15 N71-16079	US-PATENT-3,304,799	•••••	c03 N7C-41954
US-PATENT-3,276,726		c02 N71-16087	US-PATENT-3,304,865	•••••	c28 N70-41967
	• • • • • • • • • • • • • • • • • • • •	c31 N71-16081	US-PATENT-3,305,415	•••••	c27 N70-41897
US-PATENT-3,276,865	•••••	c17 N71-16025	US-PATENT-3,305,636	•••••	c08 N70-41961
US-PATENT-3,276,866	••••••	c17 N71-16026	US-PATENT-3,305,801	•••••	c10 N70-41964
US-PATENT-3,276,946	•••••	c23 N71-15978	US-PATENT-3,305,810	•••••	c09 N70-41929
US-PATENT-3,277,314	************	c10 N71-16042	US-PATENT-3,305,861	• • • • • • • • • • • • • • • • • • • •	c21 N70-41930
US-PATENT-3,277,366	• • • • • • • • • • • • • • • • • • • •	c10 N71-16057	US-PATENT-3,305,870	•••••	c07 N71-15907
US-PATENT-3,277,373	• • • • • • • • • • • • • • • • • • • •	c07 N71-16088	US-PATENT-3,308,848	•••••	c12 N71-16031
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US-PATENT-3,309,012	• • • • • • • • • • • • • • • • • • • •	c33 N71-17610			c03 N71-23006 c14 N71-23041
US-PATENT-3,309,961	• • • • • • • • • • • • • • • • • • • •	c15 N71-16078 c08 N71-15908			c11 N71-23042
US-PATENT-3,310,054		c12 N71-16894			c09 N71-22796
US-PATENT-3,310,138 US-PATENT-3,310,256	• • • • • • • • • • • • • • • • • • • •	c31 N71-17679		• • • • • • • • • • • • • • • • • • • •	c10 N71-21473 c09 N71-23027
US-PATENT-3,310,258	• • • • • • • • • • • • • • • • • • • •	c31 N71-17691	US-PATENT-3,340,599 US-PATENT-3,340,713		c15 N71-22723
US-PATENT-3,310,261	• • • • • • • • • • • • • • • • • • • •	c02 N71-11038 c02 N71-12243	US-PATENT-3,340,732		c02 N71-23007
US-PATENT-3,310,262 US-PATENT-3,310,443		c24 N71-10560	US-PATENT-3,341,151	• • • • • • • • • • • • • • • • • • • •	c31 N71-23009
US-PATENT-3,310,699		c14 N73-32324	US-PATENT-3,341,169	••••	c15 N71-23024 c16 N71-22895
US-PATENT-3,310,978		c14 N71-10616	US-PATENT-3,341,708 US-PATENT-3,341,778		c07 N71-23098
US-PATENT-3,310,980	• • • • • • • • • • • • • • • • • • • •	c11 N71-10604 c07 N71-10609	US-PATENT-3,341,977		c15 N71-22705
US-PATENT-3,311,315 US-PATENT-3,311,502		c03 N71-10608	US-PATENT-3,342,055		c15 N71-22797
US-PATENT-3,311,510		c26 N71-10607	US-PATENT-3,342,066 US-PATENT-3,342,653		c11 N71-23030 c15 N71-22713
US-PATENT-3,311,748	• • • • • • • • • • • • • • • • • • • •	c21 N71-10678 c09 N71-10618	US-PATENT-3,342,655		c05 N71-23159
US-PATENT-3,311,772		c07 N71-10775	US-PATENT-3,343,189		c05 N71-22748
US-PATENT-3,311,832 US-PATENT-3,312,101		c14 N71-10774	US-PATENT-3,344,340	* * * * * * * * * * * * * * * * * * * *	c09 N71-21449 c10 N71-21483
US-PATENT-3,316,716	••••	c28 N71-10780	US-PATENT-3,344,425 US-PATENT-3,345,820		c28 N71-21822
US-PATENT-3,316,752	•••••	c14 N71-10779 c14 N71-10773	US-PATENT-3,345,822		c27 N71-21819
US-PATENT-3,316,991 US-PATENT-3,317,180		c15 N71-10778	US-PATENT-3,345,840	• • • • • • • • • • • • • • • • • • • •	c15 N71-21536
US-PATENT-3,317,341		c18 N71-10772	US-PATENT-3,345,866	•••••	c11 N71-21481 c03 N71-20895
US-PATENT-3,317,352	• • • • • • • • • • • • • • • • • • • •	c03 N71-10728 c15 N71-10672	US-PATENT-3,346,419 US-PATENT-3,346,442		c18 N71-21651
US-PATENT-3,317,641		c21 N71-10771	US-PATENT-3,346,515	*************	c06 N71-20905
US-PATENT-3,317,731 US-PATENT-3,317,751		c09 N71-10673	US-PATENT-3,346,724	•••••	c15 N71-21179 c14 N71-21090
US-PATENT-3,317,797		c10 N71-28783	US-PATENT-3,346,806 US-PATENT-3,346,929		c15 N71-21076
US-PATENT-3,317,832	• • • • • • • • • • • • • • • • • • • •	c09 N71-10659 c15 N71-10658	US-PATENT-3,340,929		c33 N71-21507
US-PATENT-3,318,093 US-PATENT-3,318,096		c28 N71-28849	US-PATENT-3,347,309		c33 N71-29046
US-PATENT-3,318,343	•••••	c15 N71-10809	US-PATENT-3,347,465	•••••	c18 N71-21068 c28 N71-21493
-us-patent-3,318,622-		-c15_N71=10799	US-PATENT-3,347,466 US-PATENT-3,347,531	*******	C15 N71-21177
US-PATENT-3,319,175		c15 N71-10782	US-PATENT-3,347,665		c17 N71-20743
US-PATENT-3,319,979 US-PATENT-3,320,669		c15 N70-42017	US-PATENT-3,348,048		c14 N71-21088 c10 N71-20782
US-PATENT-3,321,034		c15 N70-42034	US-PATENT-3,348,053 US-PATENT-3,348,152		c10 N71-20702
US-PATENT-3,321,154		c31 N70-42075 c02 N70-42016	US-PATENT-3,348,218		c10 N71-29135
US-PATENT-3,321,157 US-PATENT-3,321,159		c31 N70-42015	US-PATENT-3,349,814	************	c33 N71-20834
US-PATENT-3,321,570		c15 N70-41960	US-PATENT-3,350,033		c14 N71-21082 c31 N71-21064
US-PATENT-3,321,628	• • • • • • • • • • • • • • • • • • • •	c10 N70-41991	US-PATENT-3,350,034 US-PATENT-3,350,214		c17 N71-20941
US-PATENT-3,321,645	• • • • • • • • • • • • • • • • • • • •	c10 N70-42032 c28 N70-41992	US-PATENT-3,350,643		c07 N71-20791
US-PATENT-3,321,922 US-PATENT-3,323,356		c15 N70-41993	US-PATENT-3,350,671	• • • • • • • • • • • • • • • • • • • •	c09 N71-20842 c14 N71-21091
US-PATENT-3,323,362		c14 N70-41994	US-PATENT-3,350,926		c14 N71-21071
US-PATENT-3,323,370	• • • • • • • • • • • • • • • • • • • •	c05 N70-42000 c03 N70-42073	US-PATENT-3,352,157 US-PATENT-3,352,192		c15 N71-21489
US-PATENT-3,323,386 US-PATENT-3,323,408		c14 N70-41955	US-PATENT-3,353,359	•••••	c28 N71-20942
US-PATENT-3,323,484		c14 N70-42074	US-PATENT-3,354,098		c06 N71-20717 c23 N71-21821
US-PATENT-3,323,967	• • • • • • • • • • • • • • • • • • • •	c15 N70-42033 c09 N71-10677	US-PATENT-3,354,320 US-PATENT-3,354,462		c14 N71-21006
US-PATENT-3,324,370		c14 N71-10777	US-PATENT-3,355,861		_ c18 N71-20742
US-PATENT-3,324,388 US-PATENT-3,324,423		c07 N71-10676	US-PATENT-3,355,948	•••••	c14 N71-21007 c05 N71-20718
US-PATENT-3,324,659		c28 N71-10574	US-PATENT-3,356,320 US-PATENT-3,356,549		c15 N71-21404
US-PATENT-3,325,229	• • • • • • • • • • • • • • • • • • • •	c15 N71-10617 c10 N71-10578	US-PATENT-3,356,885		c25 N71-20747
US-PATENT-3,325,723 US-PATENT-3,325,749		c09 N71-28810	US-PATENT-3,357,024	•••••	c12 N71-20815 c15 N71-21078
US-PATENT-3,326,043	• • • • • • • • • • • • • • • • • • • •	c14 N71-10500	US-PATENT-3,357,093 US-PATENT-3,357,237		c33 N71-21586
US-PATENT-3,326,407		c15 N71-10577 c08 N71-21042	US-PATENT-3,357,862		c03 N71-20904
US-PATENT-3,327,298 US-PATENT-3,327,991		c15 N71-21234	US-PATENT-3,358,145		c14 N71-21040
ns-patent-3,328,624	•••••	c28 N71-28850	US-PATENT-3,358,264	•• •• • • • • • • • • • • • • • • • • •	c09 N71-20851 c15 N71-20739
US-PATENT-3,329,375	• • • • • • • • • • • • • • • • • • • •	c21 N71-21708	US-PATENT-3,359,046 US-PATENT-3,359,132		c09 N71-20705
US-PATENT-3,329,918	•••••	c09 N71-21583 c11 N71-21474	US-PATENT-3,359,409		c07 N71-21476
US-PATENT-3,330,052 US-PATENT-3,330,082		c15 N71-21531	US-PATENT-3,359,435	• • • • • • • • • • • • • • • • • • • •	c15 N71-21311
US-PATENT-3,330,510	• • • • • • • • • • • • • • • • • • • •	c31 N71-28851	US-PATENT-3,359,555		c09 N71-20864 c15 N71-21744
US-PATENT-3,330,549	• • • • • • • • • • • • • •	c15 N71-21530 c07 N71-28900	US-PATENT-3,359,819 US-PATENT-3,359,855		c23 N71-21882
US-PATENT-3,331,071		c11 N71-21475	US-PATENT-3,360,798		c09 N71-20658
US-PATENT-3,331,246 US-PATENT-3,331,255		c15 N71-21529	US-PATENT-3,360,864	•••••	c14 N71-24693 c15 N71-24833
US-PATENT-3,331,404	• • • • • • • • • • • • • • •	c12 N71-21089	US-PATENT-3,360,972 US-PATENT-3,360,980		c14 N71-20741
US-PATENT-3,331,951		c21 N71-21688 c25 N71-21693	US-PATENT-3,360,988		c09 N71-20816
US-PATENT-3,333,152 US-PATENT-3,333,788		c31 N71-21881	US-PATENT-3,361,045		c15 N71-21060
US-PATENT-3,334,225		c14 N73-32325	US-PATENT-3,361,067	•••••	c26 N71-21824 c15 N71-20813
US-PATENT-3,336,725		c15 N71-21528	US-PATENT-3,361,400 US-PATENT-3,361,666		c15 N71-21403
US-PATENT-3,336,748		c25 N71-21694 c28 N71-22983	US-PATENT-3,361,000		c10 N71-20852
US-PATENT-3,336,754 US-PATENT-3,337,004		c14 N71-23092	US-PATENT-3,364,311	• • • • • • • • • • • • • • • • • • • •	c07 N71-20814
US-PATENT-3,337,279		c05 N71-23080	US-PATENT-3,364,366	•••••	c09 N71-28926 c14 N71-21079
US-PATENT-3,337,315		c18 N71-23088 c18 N71-22894	US-PATENT-3,364,578 US-PATENT-3,364,631		c32 N71-21045
US-PATENT-3,337,337		c12 N71-22894	US-PATENT-3,364,777		c15 N71-20740
US-PATENT-3,337,790 US-PATENT-3,337,812		c09 N71-23097	US-PATENT-3,364,813	• • • • • • • • • • • • • • • • • • • •	כ09 א71-22999 c10 א71-22961
US-PATENT-3,339,404		c14 N71-22765	US-PATENT-3,365,657		c14 N71-23037
US-PATENT-3,339,863		c14 N71-23040	US-PATENT-3,365,665		

US-PATENT-3,365,897	• • • • • • • • • • • • • • • • • • • •	c33 N71-28892	US-PATENT-3,393,384	•••••	c09 N71-23573
US-PATENT-3,365,930		c14 N71-22964	US-PATENT-3,394,286	••••••	c14 N73-30391
US-PATENT-3,365,941		c14 N71-22965	US-PATENT-3,394,359	*************	c08 N71-28925
US-PATENT-3,366,886		c10 N71-22962	US-PATENT-3,394,975	•••••	c23 N71-30027
US-PATENT-3,366,894		c10 N71-23084	US-PATENT-3,395,053		c18 N71-23047
US-PATENT-3,367,114		c28 N71-23081	US-PATENT-3,395,565	• • • • • • • • • • • • • • • • • • • •	c14 N73-30390
US-PATENT-3,367,121	• • • • • • • • • • • • • • • • • • • •	c15 N71-23025	US-PATENT-3,396,057	••••••	c26 N71-23043
US-PATENT-3,367,182		c33 N71-23085	US-PATENT-3,396,184	•••••	c06 N71-28808
US-PATENT-3,367,224 US-PATENT-3,367,271	•••••	c15 N71-22798	US-PATENT-3,396,303	************	c09 N71-22987
US-PATENT-3,367,308	•••••••	c15 N71-24042 c11 N71-22875	US-PATENT-3,396,584	•••••	c14 N71-30026
US-PATENT-3,367,445		c15 N71-23048	US-PATENT-3,396,920	•••••	c31 N71-29050
US-PATENT-3,368,486		c15 N71-23040	US-PATENT-3,397,094 US-PATENT-3,397,117	•••••	c26 N71-29156
US-PATENT-3,369,222		c08 N71-22707	US-PATENT-3,397,318	••••••••••	c15 N71-23086 c14 N71-22991
US-PATENT-3,369,223	••••••	c08 N71-22710	US-PATENT-3,397,512	*****************	c15 N71-23023
US-PATENT-3,369,564	• • • • • • • • • • • • • • • • • • • •	c15 N71-23051	US-PATENT-3,397,932	**************	c15 N71-23023
US-PATENT-3,370,039		c06 N71-28807	US-PATENT-3,399,299	*************	c10 N71-23662
US-PATENT-3,372,588	• • • • • • • • • • • • • • • • • • • •	c33 N71-29051	US-PATENT-3,399,574		c32 N71-24285
US-PATENT-3,373,069	• • • • • • • • • • • • • • • • • • • •	c15 N71-23052	US-PATENT-3,402,265		c09 N73-28084
US-PATENT-3,373,404	• • • • • • • • • • • • • • • • • • • •	c08 N71-22749	US-PATENT-3,404,289	• • • • • • • • • • • • • • • • • • • •	c09 N71-23545
US-PATENT-3,373,430	•••••	c09 N71-22888	US-PATENT-3,405,406	•••••	c05 N71-23161
US-PATENT-3,373,431	•••••	c07 N71-22750	US-PATENT-3,405,887	•••••	c31 N71-24315
US-PATENT-3,373,640 US-PATENT-3,373,914	• • • • • • • • • • • • • • • • • • • •	c15 N71-22722	US-PATENT-3,406,336	************	c10 N71-24863
US-PATENT-3,374,339	• • • • • • • • • • • • • • • • • • • •	c15 N71-23050 c08 N71-22897	US-PATENT-3,406,742	•••••	c33 N71-24276
US-PATENT-3,374,366		c09 N71-23015	US-PATENT-3,407,304	•••••	c14 N71-23240
US-PATENT-3,374,830	• • • • • • • • • • • • • • • • • • • •	c33 N71-22890	US-PATENT-3,408,816 US-PATENT-3,408,870	*************	c28 N71-24736
US-PATENT-3,375,451	*************	c10 N71-22986	US-PATENT-3,409,247	•••••••••	c14 N71-23227
US-PATENT-3,375,479	•••••	c15 N71-23049	US-PATENT-3,409,252	**************	c33 N71-28903 c15 N71-23255
US-PATENT-3,375,885	• • • • • • • • • • • • • • • • • • • •	c15 N73-32362	US-PATENT-3,409,554	**************	c26 N71-23292
US-PATENT-3,376,730	• • • • • • • • • • • • • • • • • • • •	c14 N71-22995	US-PATENT-3,409,730	**************	c33 N71-24145
US-PATENT-3,377,208	*************	c14 N71-23039	US-PATENT-3,411,356	************	c14 N7.1-23226
US-PATENT-3,377,845	• • • • • • • • • • • • • • • • • • • •	c14 N71-22992	US-PATENT-3,412,559		c28 N71-23293
US-PATENT-3,378,315	• • • • • • • • • • • • • • • • • • • •	c15 N71-22997	US-PATENT-3,412,598	•••••	c14 N71-23225
US-PATENT-3,378,851	• • • • • • • • • • • • • • • • • • • •	c05 N71-23096	US-PATENT-3,412,729	• • • • • • • • • • • • • • • • • • • •	c04 N71-23185
US-PATENT-3,378,892	************	c15 N71-22994	US-PATENT-3,412,961	•••••	c32 N71-23971
US-PATENT-3,379,052 US-PATENT-3,379,064	•••••	c14 N73-32321	US-PATENT-3,413,115	•••••	c17 N71-23365
US-PATENT-3,379,330	• • • • • • • • • • • • • • • • • • • •	c14 N71-23093 c23 N71-22881	US-PATENT-3,413,393	•••••	c17 N71-29137
US-PATENT-3,379,885	*************	c09 N71-22985	US-PATENT-3,413,510	*************	c09 N71-23190
US-PATENT-3,379,974		c14 N71-22990	US-PATENT-3,413,536	•••••	c03 N71-24605
US-PATENT-3,380,042		c07 N71-23001	US-PATENT-3,414,012 US-PATENT-3,414,358	•••••	c09 N71-23191
US-PATENT-3,380,049	************	c10 N71-23099	US-PATENT-3,415,032	*************	c14 N71-23175 c15 N71-23256
US-PATENT-3,381,339	• • • • • • • • • • • • • • • • • • • •	c06 N71-22975	US-PATENT-3,415,069	••••••	c15 N71-24044
US-PATENT-3,381,517	• • • • • • • • • • • • • • • • • • • •	c09 N71-22988	US-PATENT-3,415,116	*************	c14 N71-23790
US-PATENT-3,381,527	• • • • • • • • • • • • • • • • • • • •	c15 N71-22878	US-PATENT-3,415,126	************	c21 N71-23289
US-PATENT-3,381,569	• • • • • • • • • • • • • • • • • • • •	c21 N71-22880	US-PATENT-3,415,156	*************	c15 N71-24043
US-PATENT-3,381,778	• • • • • • • • • • • • • • • • • • • •	c15 N71-22877	US-PATENT-3,415,643	• • • • • • • • • • • • • • • • • • • •	c17 N71-23248
US-PATENT-3,382,082	•••••	c18 N71-22998	US-PATENT-3,416,106	•••••	c09 N71-24808
US-PATENT-3,382,105 US-PATENT-3,382,107	• • • • • • • • • • • • • • • • • • • •	cG3 N71-29044	US-PATENT-3,416,274	••••••	c31 N71-24035
US-PATENT-3,382,714	•••••••	c03 N71-22974 c14 N71-22989	US-PATENT-3,416,939	•••••	c18 N71-24183
US-PATENT-3,383,461		c07 N71-23026	US-PATENT-3,416,975	•••••	c17 N71-23828
US-PATENT-3,383,524		c10 N71-23029	US-PATENT-3,416,988 US-PATENT-3,417,247	•••••	c15 N71-24164
US-PATENT-3,383,903	••••••	c14 N71-23036	US-PATENT-3,417,266	•••••	c14 N71-23797
US-PATENT-3,383,922	************	c14 N71-22752	US-PATENT-3,417,298	***************	c09 N71-23270 c10 N71-23271
US-PATENT-3,384,016		c31 N71-23008	US-PATENT-3,417,316	••••••	c14 N71-23174
US-PATENT-3,384,075	• • • • • • • • • • • • • • • • • • • •	c05 N71-22896	US-PATENT-3,417,321	***************************************	c09 N71-23316
US-PATENT-3,384,111	• • • • • • • • • • • • • • • •	c15 N71-22706	US-PATENT-3,417,332	•••••	c07 N71-23405
US-PATENT-3,384,324	• • • • • • • • • • • • • • • • • • • •	c33 N71-22792	US-PATENT-3,417,399		c30 N71-23723
US-PATENT-3,384,820	• • • • • • • • • • • • • • • • • • • •	c09 N71-23021	US-PATENT-3,417,400	••••••	c07 N71-28809
US-PATENT-3,384,895	• • • • • • • • • • • • • • • • • • • •	c07 N71-22984	US-PATENT-3,419,329	•••••	c14 N71-23268
US-PATENT-3,385,036 US-PATENT-3,386,337	***************************************	c15 N71-22721 c15 N71-22799	US-PATENT-3,419,363	***************************************	c18 N71-23710
US-PATENT-3,386,685	* * * * * * * * * * * * * * * * * * * *	c31 N71-22968	US-PATENT-3,419,384	************	c17 N73-28573
US-PATENT-3,386,686		c31 N71-22969	US-PATENT-3,419,433 US-PATENT-3,419,537	•••••	c03 N71-23187
US-PATENT-3,387,149	*************	c14 N71-22993	US-PATENT-3,419,827	••••••	c06 N71-23500
US-PATENT-3,388,258		c14 N71-22996	US-PATENT-3,419,964	••••••	c09 N71-23548
US-PATENT-3,388,387	•••••	c16 N71-23033	US-PATENT-3,419,992	••••••••	c14 N69-21363 c14 N71-23401
US-PATENT-3,388,590	• • • • • • • • • • • • • • • • • • • •	c14 N71-23087	US-PATENT-3,420,069	*************	c15 N69-21465
US-PATENT-3,389,017	• • • • • • • • • • • • • • • • • • • •	c15 N71-23622	US-PATENT-3,420,223	*************	c05 N69-21925
US-PATENT-3,389,260	• • • • • • • • • • • • • • • • • • • •	c14 N71-23269	US-PATENT-3,420,225		c05 N69-21473
US-PATENT-3,389,346	• • • • • • • • • • • • • • • • • • • •	c10 N71-28859	US-PATENT-3,420,253		c12 N69-21466
US-PATENT-3,389,877	• • • • • • • • • • • • • • • • • • • •	c15 N71-28936	US-PATENT-3,420,338	•••••	c15 N71-26243
US-PATENT-3,390,017 US-PATENT-3,390,020	• • • • • • • • • • • • • • • • • • • •	c03 N71-23336	US-PATENT-3,420,471	•••••	c05 N69-21380
US-PATENT-3,390,020	• • • • • • • • • • • • • • • • • • • •	c26 N71-23654	US-PATENT-3,420,704	•••••	c15 N69-21460
US-PATENT-3,390,378		c09 N71-23311 c08 N71-23295	US-PATENT-3,420,945	***********	c09 N69-21542
US-PATENT-3,391,080	• • • • • • • • • • • • • • • • • • • •	c15 N71-24046	US-PATENT-3,420,978	•••••	c15 N69-21471
US-PATENT-3,392,403	• • • • • • • • • • • • • • • • • • • •	c23 N71-23976	US-PATENT-3,421,004	•••••	c14 N71-19568
US-PATENT-3,392,586	• • • • • • • • • • • • • • • • • • • •	c14 N71-24232	US-PATENT-3,421,053 US-PATENT-3,421,056	***************************************	c15 N69-21472
US-PATENT-3,392,864	************	c18 N71-23658	US-PATENT-3,421,105	•••••••	c14 N69-23191 c09 N69-21543
US-PATENT-3,392,865	• • • • • • • • • • • • • • • • • • • •	c15 N71-23816	US-PATENT-3,421,134		c09 N69-21470
US-PATENT-3,392,936	•••••	c01 N71-23497	US-PATENT-3,421,331	**************	c15 N69-23190
US-PATENT-3,393,059	•••••	c06 N71-23499	US-PATENT-3,421,363	*************	c11 N69-21540
US-PATENT-3,393,330	•••••	c22 N71-23599	US-PATENT-3,421,506	************	c05 N69-23192
US-PATENT-3,393,332	•••••	c09 N71-23443	US-PATENT-3,421,541	•••••	c15 N69-21924
US-PATENT-3,393,347 US-PATENT-3,393,380		c10 N71-23543	US-PATENT-3,421,549	•••••	c03 N69-21469
	• • • • • • • • • • • • • • • •	c10 N71-23544	US-PATENT-3,421,591	************	c14 N69-21923

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US-PATENT-3,421,700		c15 N69-23185	US-PATENT-3,438,044		c07 N69-27460
US-PATENT-3,421,768	• • • • • • • • • • • • • • • • • • • •	c15 N69-21362	US-PATENT-3,438,263	*************	c14 N71-20435
US-PATENT-3,421,864		c17 N71-23046	US-PATENT-3,439,886	•••••••	
US-PATENT-3,421,948		c03 N69-21337	US-PATENT-3,440,419		c31 N69-27499
US-PATENT-3,422,213		c03 N69-21539	US-PATENT-3,443,128	•••••••	c14 N73-28491
US-PATENT-3,422,278			1	•••••	c03 N69-39890
	•••••	c09 N69-21468 c25 N69-21929	US-PATENT-3,443,208	••••••	c14 N71-20428
US-PATENT-3,422,291	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,443,384	•••••	c28 N71-24321
US-PATENT-3,422,324	• • • • • • • • • • • • • • • • • • • •	c14 N69-21541	US-PATENT-3,443,390	••••••	c11 N71-24964
US-PATENT-3,422,352	• • • • • • • • • • • • • • • • • • • •	c14 N71-19431	US-PATENT-3,443,412	•••••	c15 N71-23811
US-PATENT-3,422,354	• • • • • • • • • • • • • • • • • • • •	c09 N69-21926	US-PATENT-3,443,416	•••••	c06 N69-39936
US-PATENT-3,422,390		c09 N69-21927	US-PATENT-3,443,472	•••••	c15 N71-23254
US-PATENT-3,422,403	• • • • • • • • • • • • • • •	c08 N69-21928	US-PATENT-3,443,583		c14 N71-18625
US-PATENT-3,422,440	• • • • • • • • • • • • • • • • • • • •	c09 N69-21467	US-PATENT-3,443,584		c32 N71-16106
US-PATENT-3,423,179		c15 N69-21922	US-PATENT-3,443,732		c15 N71-15607
US-PATENT-3,423,290		c06 N71-17705	US-PATENT-3,443,773		c31 N71-23912
US-PATENT-3,423,579		c09 N71-19480	US-PATENT-3,443,779		c01 N69-39981
US-PATENT-3,423,608		c09 N69-21313	US-PATENT-3,444,051		c05 N71-11207
US-PATENT-3,424,966		c10 N71-20448	US-PATENT-3,444,127		c06 N71-11237
US-PATENT-3,425,131		c15 N71-19489	US-PATENT-3,444,375	• • • • • • • • • • • • • • • • • • • •	c14 N71-15599
US-PATENT-3,425,268		c14 N69-39975	US-PATENT-3,444,380	• • • • • • • • • • • • • • • • • • • •	c07 N69-39980
US-PATENT-3,425,272		c14 N71-20439	US-PATENT-3,446,075	•••••	c14 N73-30394
US-PATENT-3,425,276		c14 N69-24257	US-PATENT-3,446,387	**************	c15 N69-39935
US-PATENT-3,425,486	•••••	c05 N71-24147	US-PATENT-3,446,558		c16 N71-24074
US-PATENT-3,425,487		c05 N71-19439	US-PATENT-3,446,642		c18 N69-39895
US-PATENT-3,425,885		c15 N69-24322	US-PATENT-3,446,676		
US-PATENT-3,426,219		c09 N69-24317	US-PATENT-3,446,960	•••••	c03 N71-11050
US-PATENT-3,426,230		c15 N69-24319	US-PATENT-3,446,992	••••••	c14 N69-39982
US-PATENT-3,426,263		c03 N71-19438		•••••	c09 N69-39987
US-PATENT-3,426,272			US-PATENT-3,446,997	•••••	c03 N69-39898
	• • • • • • • • • • • • • • • • • • • •	c14 N69-39785	US-PATENT-3,446,998	•••••	c09 N69-39929
US-PATENT-3,426,746	• • • • • • • • • • • • • • • • • • • •	c05 N71-26293	US-PATENT-3,447,003	•••••	c09 N71-20446
US-PATENT-3,426,791	• • • • • • • • • • • • • • • • • • • •	c15 N71-19569	US-PATENT-3,447,015	•••••	c06 N69-39889
US-PATENT-3,427,047	• • • • • • • • • • • • • • • • • • • •	c15 N69-27490	US-PATENT-3,447,071	• • • • • • • • • • • • • • • • • • • •	c25 N69-39884
US-PATENT-3,427,089	• • • • • • • • • • • • • • • • • • • •	c23 N69-24332	US-PATENT-3,447,154	• • • • • • • • • • • • • • • • • • • •	c21 N71-11766
US-PATENT-3,427,093		c09 N71-19479	US-PATENT-3,447,155		c0.9_N.7.1 <u>-</u> _1.859.8
US-PATENT-3,427,097	• • • • • • • • • • • • • • • • • • • •	c11 N69-24321	US-PATENT-3,447,233	•••••	c15 N69-39786
US-PATENT-3,427,205	• • • • • • • • • • • • • • • • • • • •	c15 N69-24320	US-PATENT-3,447,774	•••••	c15 N71-19485
US-PATENT-3,427,435	• • • • • • • • • • • • • • • •	c17 N69-25147	US-PATENT-3,447,850	• • • • • • • • • • • • • • • • • • • •	c09 N71-18600
US-PATENT-3,427,454	• • • • • • • • • • • • • • •	c05 N71-19440	US-PATENT-3,448,273		c07 N69-39736
US-PATENT-3,427,525	• • • • • • • • • • • • • • • • • • • •	c03 N69-21330	US-PATENT-3,448,290		c10 N71-23315
US-PATENT-3,428,761		c09 N69-24329	US-PATENT-3,448,341		c09 N71-12526
US-PATENT-3,428,812		c14 N69-27485	US-PATENT-3,448,346	• • • • • • • • • • • • • • • • • • • •	c15 N71-18701
US-PATENT-3,428,847	• • • • • • • • • • • • • • • • • • • •	c15 N69-24266	US-PATENT-3,450,842	••••••	c07 N69-39978
US-PATENT-3,428,910		c09 N69-24330	US-PATENT-3,450,878		c14 N71-20430
US-PATENT-3,428,919		c07 N69-24334	US-PATENT-3,450,946	************	c09 N69-39897
US-PATENT-3,428,923		c07 N69-27462	US-PATENT-3,452,103	•••••	c06 N73-30101
US-PATENT-3,429,058		c12 N69-39988	US-PATENT-3,452,423	***************************************	c26 N71-16037
US-PATENT-3,429,177		c06 N69-39733	US-PATENT-3,452,872	*************	c14 N69-39896
US-PATENT-3,429,477	• • • • • • • • • • • • • • • • • • • •	c15 N69-27502	US-PATENT-3,453,172		c15 N69-39735
US-PATENT-3,430,063		c09 N69-27500	US-PATENT-3,453,462	•••••	c03 N69-39983
US-PATENT-3,430,115	• • • • • • • • • • • • • • • • • • • •	c09 N69-24318	US-PATENT-3,453,546		c05 N71-12342
US-PATENT-3,430,131		c24 N71-20518	US-PATENT-3,454,410	•••••	c18 N69-39979
US-PATENT-3,430,182		c14 N69-27431	US-PATENT-3,455,121	•••••	c14 N71-20427
US-PATENT-3,430,227		c08 N71-19687	US-PATENT-3,455,171	•••••	c23 N71-16098
US-PATENT-3,430,237	• • • • • • • • • • • • • • • • • • • •	c07 N69-39974	US-PATENT-3,456,112	••••••	c14 N69-39937
US-PATENT-3,430,460		c15 N69-27505	US-PATENT-3,456,193	•••••	c08 N71-19763
US-PATENT-3,430,902		c14 N69-27486	US-PATENT-3,456,201	***************************************	c09 N69-39885
US-PATENT-3,430,909	• • • • • • • • • • • • • • • • • • • •	c11 N69-27466	US-PATENT-3,458,104	*************	c15 N71-20393
US-PATENT-3,436,937		c15 N69-27483	US-PATENT-3,458,313		c14 N71-17574
US-PATENT-3,430,942		c15 N69-27504	US-PATENT-3,458,651	••••••	c09 N71-19449
US-PATENT-3,431,149		c14 N69-27459	US-PATENT-3,458,702		c14 N71-18699
US-PATENT-3,431,397	************	c15 N69-27871	US-PATENT-3,458,726		c10 N69-39888
US-PATENT-3,431,460		c09 N71-23189	US-PATENT-3,458,833	•••••	c10 N71-19418
US-PATENT-3,431,559		c09 N69-24333	US-PATENT-3,458,851	••••••	c09 N69-39734
US-PATENT-3,432,730	*************	c09 N69-27422	US-PATENT-3,459,391	••••••	c03 N71-11058
US-PATENT-3,433,015		c28 N71-20330	US-PATENT-3,460,378	****************	45
US-PATENT-3,433,079	• • • • • • • • • • • • • • • • • • • •	c14 N69-27503	US-PATENT-3,460,379		c14 N/1-24233 c15 N71-24834
US-PATENT-3,433,662		c14 N71-20461	US-PATENT-3,460,381	•••••	
US-PATENT-3,433,818		c06 N71-23230	US-PATENT-3,460,397	•••••	c14 N71-23725
US-PATENT-3,433,909		c10 N71-23663	US-PATENT-3,460,759	•••••	c15 N71-24045
US-PATENT-3,433,953	*************	c14 N69-27484	US-PATENT-3,460,739	• • • • • • • • • • • • • • • • • • • •	c28 N71-23968
US-PATENT-3,433,960		c16 N69-27491		•••••	c14 N71-23698
US-PATENT-3,433,961		c14 N69-27432	US-PATENT-3,460,995	•••••	c03 N71-20407
US-PATENT-3,434,033			US-PATENT-3,461,290	•••••	c14 N71-26475
US-PATENT-3,434,037	•••••	c09 N69-39984	US-PATENT-3,461,393	•••••	c10 N71-26415
US-PATENT-3,434,050		c10 N71-26414	US-PATENT-3,461,437	•••••	c10 N71-26434
	• • • • • • • • • • • • • • • • • • • •	c09 N71-20569	US-PATENT-3,461,700	•••••	c15 N71-26346
US-PATENT-3,434,064	• • • • • • • • • • • • • • • • • • • •	c09 N69-39986	US-PATENT-3,461,721	••••••	c12 N71-20436
US-PATENT-3,434,855	• • • • • • • • • • • • • • • • • • • •	c18 N71-24184	US-PATENT-3,461,855	•••••	c05 N71-20268
US-PATENT-3,434,885	• • • • • • • • • • • • • • • • • • • •	c03 N71-20492	US-PATENT-3,463,001	•••••	c14 N71-20429
US-PATENT-3,435,246	• • • • • • • • • • • • • • • • • • • •	c14 N69-24331	US-PATENT-3,463,563	•••••	c15 N71-23812
US-PATENT-3,437,394	• • • • • • • • • • • • • • • • • • • •	c14 N69-27461	US-PATENT-3,463,673	•••••	c03 N71-20491
US-PATENT-3,437,527	• • • • • • • • • • • • • • • • • • • •	c03 N69-24267	US-PATENT-3,463,679	•••••	c17 N71-24142
US-PATENT-3,437,560	• • • • • • • • • • • • • • • • • • • •	c04 N69-27487	US-PATENT-3,463,761	•••••	c06 N73-30099
US-PATENT-3,437,818	• • • • • • • • • • • • • • • • • • • •	c03 N71-23354	US-PATENT-3,463,762	•••••	c06 N73-30100
US-PATENT-3,437,832	• • • • • • • • • • • • • • • • • • • •	c09 N69-27463	US-PATENT-3,463,939	•••••	c10 N71-19471
US-PATENT-3,437,874	• • • • • • • • • • • • • • • • • • • •	C08 N71-20571	US-PATENT-3,464,012	•••••	c14 N71-26244
US-PATENT-3,437,903	• • • • • • • • • • • • • • • • • • • •	c03 N69-25146	US-PATENT-3,464,016	•••••	c10 N71-19472
US-PATENT-3,437,919	• • • • • • • • • • • • • • • • • • • •	c14 N69-27423	US-PATENT-3,464,018	•••••	c09 N71-23525
US-PATENT-3,437,935	• • • • • • • • • • • • • • • • • • • •	c09 N69-24324	US-PATENT-3,464,049	• • • • • • • • • • • • • • • • • • • •	c32 N71-15974
US-PATENT-3,437,959	• • • • • • • • • • • • • • • • • • • •	c07 N69-24323	US-PATENT-3,464,051	•••••	c15 N71-17685

US-PATENT-3,465,482		c31 N71-16080	US-PATENT-3,488,504		c21 N71-15642
US-PATENT-3,465,567		c15 N71-18579	US-PATENT-3,490,130		c05 N71-12345
US-PATENT-3,465,569		c14 N71-17659	US-PATENT-3,490,205		c14 N71-17588
US-PATENT-3,465,584		c14 N71-23726	US-PATENT-3,490,235		c28 N71-14044
US-PATENT-3,465,638		c11 N71-18578	US-PATENT-3,490,238		c15 N70-22192
US-PATENT-3,465,986		c31 N71-20396	US-PATENT-3,490,405		c15 N71-15597
US-PATENT-3,466,052		c15 N71-19570	US-PATENT-3,490,440		c05 N71-12346
		CO5 N71-12343	US-PATENT-3,490,718		c33 N71-14035
US-PATENT-3,466,085		c03 N71-19545	US-PATENT-3,490,719		c21 N71-14159
US-PATENT-3,466,198		c15 N71-23810	US-PATENT-3,490,721		c02 N71-11039
US-PATENT-3,466,243	• • • • • • • • • • • • • • • • • • • •	c15 N71-18613	US-PATENT-3,490,939		c33 N71-14032
US-PATENT-3,466,418	• • • • • • • • • • • • • • • • • • • •	c15 N71-20395	US-PATENT-3,490,965	************	c09 N71-12513
US-PATENT-3,466,424	• • • • • • • • • • • • • • • • • • • •	c09 N71-26000	US-PATENT-3,491,202		c07 N71-12392
US-PATENT-3,466,459	••••••	c14 N71-18482	US-PATENT-3,491,255		c09 N71-12514
US-PATENT-3,466,484	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,491,335		c14 N71-15620
US-PATENT-3,466,560	• • • • • • • • • • • • • • • • • • • •	C09 N71-19466	US-PATENT-3,491,857		c14 N71-17626
US-PATENT-3,466,570	• • • • • • • • • • • • • • • • • • • •	c10 N71-25950	US-PATENT-3,492,176		c27 N71-14090
US-PATENT-3,467,837	• • • • • • • • • • • • • • • • • • • •	c05 N71-23317			c05 N71-12344
US-PATENT-3,468,303	• • • • • • • • • • • • • • • • • • • •	c09 N71-26002	US-PATENT-3,492,672	•••••	c15 N71-15571
US-PATENT-3,468,548		c15 N71-26294	US-PATENT-3,492,739	• • • • • • • • • • • • • • • • • • • •	c14 N71-15600
US-PATENT-3,468,609		c16 N71-24170	US-PATENT-3,492,862	• • • • • • • • • • • • • • • • • • • •	c28 N71-14058
US-PATENT-3,468,727		c14 N71-25892	US-PATENT-3,492,947	•••••	
US-PATENT-3,468,765		c17 N71-25903	US-PATENT-3,493,003	•••••	c15 N71-15609
US-PATENT-3,469,068		c15 N71-23815	US-PATENT-3,493,004	•••••	c12 N71-17579
US-PATENT-3,469,069		c15 N71-23798	US-PATENT-3,493,012		c15 N71-15608
US-PATENT-3,469,087		c16 N71-25914	US-PATENT-3,493,027		c31 N71-18611
US-PATENT-3,469,289		c15 N71-25975	US-PATENT-3,493,153	• • • • • • • • • • • • • • • • • • • •	c05 N71-12351
US-PATENT-3,469,375		c14 N71-18483	US-PATENT-3,493,155	• • • • • • • • • • • • • • • • • • • •	c26 N71-14354
US-PATENT-3,469,436		c15 N71-23817	US-PATENT-3,493,194	•••••	c21 N71-14132
US-PATENT-3,469,437		c14 N71-24234	US-PATENT-3,493,197	•••••	c02 N71-11043
US-PATENT-3,469,734		c11 N71-17600	US-PATENT-3,493,291	• • • • • • • • • • • • • • • • • • • •	c14 N71-15622
US-PATENT-3,470,043	••••	c15 N71-24047	US-PATENT-3,493,294		c14 N71-15605
US-PATENT-3,470,304		c14 N71-23267	US-PATENT-3,493,401		c18 N71-14014
US-PATENT-3,470,313		c07 N71-26579	US-PATENT-3,493,415		c15 N71-15610
US-PATENT-3,470,318		c07 N71-24612	US-PATENT-3,493,437		c03 N71-11056
US-PATENT-3,470,342		c09 N71-19610	US-PATENT-3,493,522		c06 N71-11243
US-PATENT-3,470,443		c03 N71-23239	US-PATENT-3,493,524		c06 N71-11242
US-PATENT-3,470,446		c09 N71-23188	US-PATENT-3,493,665		c14 N71-15621
US-PATENT-3,470,466		c14 N71-23699	US-PATENT-3,493,677		c07 N71-113C0
		c10 N71-19467	US-PATENT-3,493,711		c15 N71-14932
US-PATENT-3,470,475 US-PATENT-3,470,489		c09 N71-23598	US-PATENT-3,493,746		c15 N71-15606
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US-PATENT-3,470,495	•••••	c09 N71-19470	US-PATENT-3,493,805		c09 N71-12521
US-PATENT-3,470,496	• • • • • • • • • • • • • • • • • • • •	c30 N71-16090	US-PATENT-3,493,901		c09 N71-12517
US-PATENT-3,471,856	• • • • • • • • • • • • • • • • • • • •	c07 N71-12391	US-PATENT-3,493,929		c08 N71-12505
US-PATENT-3,471,858	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,493,942		c08 N71-12504
US-PATENT-3,472,019	• • • • • • • • • • • • • • • • • • • •	c10 N71-26326	US-PATENT-3,495,260		c21 N71-13958
US-PATENT-3,472,059	• • • • • • • • • • • • • • • • • • • •	c14 N71-23755	US-PATENT-3,495,262		c07 N71-12396
US-PATENT-3,472,060	• • • • • • • • • • • • • • • • • • • •	c14 N71-26136 c15 N71-20441	US-PATENT-3,500,020		c01 N71-13411
US-PATENT-3,472,069	• • • • • • • • • • • • • • • • • • • •	c10 N71-26339	US-PATENT-3,500,525	•••••	c15 N71-17688
US-PATENT-3,472,080	• • • • • • • • • • • • • • • • • • • •	c15 N71-23809	US-PATENT-3,500,677		c14 N71-17584
US-PATENT-3,472,086	• • • • • • • • • • • • • • • • • • • •	c14 N71-26474	US-PATENT-3,500,686		c12 N71-17569
US-PATENT-3,472,140	• • • • • • • • • • • • • • • • • • • •	c17 N71-24911	US-PATENT-3,500,688	************	c14 N71-17587
US-PATENT-3,472,202	• • • • • • • • • • • • • • • • • • • •	c15 N71-20440	US-PATENT-3,500,747		c09 N71-18599
US-PATENT-3,472,372	• • • • • • • • • • • • • • • • • • • •	c02 N71-20570	US-PATENT-3,500,827	•••••	c05 N71-11203
US-PATENT-3,472,470	• • • • • • • • • • • • • • • • • • • •	c23 N71-24857	US-PATENT-3,501,112		c15 N71-17693
US-PATENT-3,472,577	• • • • • • • • • • • • • • • • • • • •	c06 N71-23527	US-PATENT-3,501,337		c15 N71-17695
US-PATENT-3,472,625	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,501,632		c27 N71-16348
US-PATENT-3,472,629			US-PATENT-3,501,641		c20 N71-16340
US-PATENT-3,472,698		c03 N71-23449	US-PATENT-3,501,648		c10 N71-24799
US-PATENT-3,472,709	• • • • • • • • • • • • • • • • • • • •	c18 N71-26153	US-PATENT-3,501,649		c10 N71-18723
US-PATENT-3,472,742	• • • • • • • • • • • • • • • • • • • •	c17 N71-24830	US-PATENT-3,501,664		c14 N71-17585
OS-PATENT-3,472,998	• • • • • • • • • • • • • • • • • • • •	c16 N71-20400 c09 N71-20447	US-PATENT-3,501,683		c15 N71-17694
US-PATENT-3,473,050	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,501,684		c09 N71-26092
US-PATENT-3,473,116	• • • • • • • • • • • • • • • • • • • •	c25 N71-20563	US-PATENT-3,501,701		c08 N71-18692
US-PATENT-3,473,165	• • • • • • • • • • • • • • • • • • • •	c05 N71-26333 c15 N71-20443	US-PATENT-3,501,704		c07 N71-11282
US-PATENT-3,473,216	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,501,704		c09 N71-19516
US-PATENT-3,473,379	• • • • • • • • • • • • • • • • • • • •	c12 N71-26387			c09 N71-18843
US-PATENT-3,473,758	• • • • • • • • • • • • • • • • • • • •	c03 N71-20273	US-PATENT-3,501,743 US-PATENT-3,561,750		c08 N71-19288
US-PATENT-3,474,192		c07 N71-26102	US-PATENT-3,501,750		c08 N71-19200
US-PATENT-3,474,220	• • • • • • • • • • • • • • • •	c15 N71-19486			c10 N71-18722
US-PATENT-3,474,328	• • • • • • • • • • • • • • • • • • • •	c14 N71-26266	US-PATENT-3,501,764	• • • • • • • • • • • • • • • • • • • •	c15 N71-18722
US-PATENT-3,474,357	• • • • • • • • • • • • • • • • • • • •	c09 N71-20445	US-PATENT-3,502,051	• • • • • • • • • • • • • • • • • • • •	c05 N71-11190
US-PATENT-3,474,413	• • • • • • • • • • • • • • • • • • • •	c10 N71-26103	US-PATENT-3,502,074	••••	c33 N71-11190
US-PATENT-3,474,441	• • • • • • • • • • • • • • • • • • • •	c08 N71-19544	US-PATENT-3,502,141	•••••	11
OS-PATENT-3,475,384	• • • • • • • • • • • • • • • • • • • •	c06 N73-30103	US-PATENT-3,503,251 US-PATENT-3,504,258	• • • • • • • • • • • • • • • • • • • •	c32 N71-16428 c10 N71-18724
US-PATENT-3,480,789	• • • • • • • • • • • • • • • • • • • •	c10 N71-26626		• • • • • • • • • • • • • • • • • • • •	
US-PATENT-3,481,638	• • • • • • • • • • • • • • • • • • • •	c15 N71-26312	US-PATENT-3,504,983	• • • • • • • • • • • • • • • • • • • •	c23 N71-16341 c15 N71-17650
US-PATENT-3,481,887	• • • • • • • • • • • • • • • •	c18 N71-26155	US-PATENT-3,507,034	•••••	
US-PATENT-3,482,179	• • • • • • • • • • • • • • • • • • • •	c10 N71-26331	US-PATENT-3,507,114	• • • • • • • • • • • • • • • • • • • •	c27 N71-16392
US-PATENT-3,483,535	• • • • • • • • • • • • • • • • • • • •	c10 N71-26418	US-PATENT-3,507,146	•••••	c05 N71-11202
US-PATENT-3,484,712	• • • • • • • • • • • • • • • • • • • •	c10 N71-26374	US-PATENT-3,507,150	• • • • • • • • • • • • • • • • • • • •	c20 N71-16281
US-PATENT-3,486,123	• • • • • • • • • • • • • • • • • • • •	c16 N71-24831	US-PATENT-3,507,425	• • • • • • • • • • • • • • • • • • • •	c15 N71-17628
US-PATENT-3,487,216	• • • • • • • • • • • • • • • • • • • •	c14 N71-24809	US-PATENT-3,507,436	• • • • • • • • • • • • • • • • • • • •	c08 N71-19420
US-PATENT-3,487,281		c15 N71-24695	US-PATENT-3,507,704	• • • • • • • • • • • • • • • • • • • •	c03 N71-11052
US-PATENT-3,487,288		c10 N71-25139	US-PATENT-3,507,706	•••••	c03 N71-18698
US-PATENT-3,487,680		c15 N71-17696	US-PATENT-3,508,036	•••••	c08 N71-18693
US-PATENT-3,488,103	• • • • • • • • • • • • • • • • • • • •	c14 N71-15604	US-PATENT-3,508,039	• • • • • • • • • • • • • • • • • • • •	c08 N71-19437
US-PATENT-3,488,123		c14 N71-17627	US-PATENT-3,508,053	• • • • • • • • • • • • • • • • • • • •	c09 N71-18830
US-PATENT-3,488,414		c15 N71-17803	US-PATENT-3,508,070	• • • • • • • • • • • • • • • • • • • •	c03 N71-11057
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C07 N71-19773
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c08 N71-12502
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c07 N71-19854
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C07 N71-11285
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c05 N71-17599
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US-PATENT-3,535,547

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US-PATENT-3,535,562
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c08 N71-12494
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CO9 N71-12519
CO7 N71-12390
                                                                           c33 N71-16357
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                                                                            c28 N71-16224
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US-PATENT-3,526,372
US-PATENT-3,526,382
US-PATENT-3,526,460
US-PATENT-3,526,473
                                                                           c31 N71-16346
c15 N71-17649
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                                                                                                                     US-PATENT-3,535,683
US-PATENT-3,535,696
US-PATENT-3,535,702
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c08 N71-12506
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US-PATENT-3,526,580
US-PATENT-3,526,681
US-PATENT-3,526,6815
US-PATENT-3,526,897
US-PATENT-3,529,480
US-PATENT-3,529,480
US-PATENT-3,530,336
US-PATENT-3,531,964
US-PATENT-3,531,969
US-PATENT-3,531,989
US-PATENT-3,532,118
US-PATENT-3,532,128
US-PATENT-3,532,128
US-PATENT-3,532,128
US-PATENT-3,532,128
US-PATENT-3,532,428
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c06 N71-11236
US-PATENT-3,526,580
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US-PATENT-3,537,103
US-PATENT-3,537,107
US-PATENT-3,537,305
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                                                                                                                                                                                                   c08 N71-12507
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                                                                           c09 N71-13521
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c17 N71-16393
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US-PATENT-3,537,668
US-PATENT-3,537,672
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US-PATENT-3,540,045
US-PATENT-3,540,048
US-PATENT-3,540,050
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c15 N71-18132
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                                                                           c33 N71-15641
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c21 N71-19212
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US-PATENT-3,540,250
US-PATENT-3,540,250
US-PATENT-3,540,615
US-PATENT-3,540,676
US-PATENT-3,540,676
US-PATENT-3,540,676
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US-PATENT-3,532,538

US-PATENT-3,532,568

US-PATENT-3,532,673

US-PATENT-3,532,807

US-PATENT-3,532,819

US-PATENT-3,532,866

US-PATENT-3,532,866
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c16 N71-26154
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c08 N71-18602
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US-PATENT-3,541,312
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US-PATENT-3,532,894
US-PATENT-3,532,948
US-PATENT-3,532,960
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c03 N71-12255
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US-PATENT-3,541,346
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US-PATENT-3,541,361		c09 N71-24904	US-PATENT-3,564,564	• • • • • • • • • • • • • • • • • • • •	c15 N71-26162
US-PATENT-3,541,422		c03 N71-24719	US-PATENT-3,564,866	************	c23 N71-26654
US-PATENT-3,541,428		c09 N71-24893	US-PATENT-3,564,906	************	c32 N71-26681
US-PATENT-3,541,439	************	c09 N71-24843	US-PATENT-3,565,530	*************	c15 N71-26673
US-PATENT-3,541,450		CO7 N71-24840	US-PATENT-3,565,584	************	c15 N71-27372
US-PATENT-3,541,459		c10 N71-24844	US-PATENT-3,565,607	**************	c17 N71-26773
US-PATENT-3,541,479		c09 N71-24841	US-PATENT-3,565,719		c03 N71-26726
US-PATENT-3,541,486		c16 N71-28554	US-PATENT-3,566,027		
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US-PATENT-3,541,679	• • • • • • • • • • • • • • • • • • • •	cC3 N71-24681	US-PATENT-3,566,045	• • • • • • • • • • • • • • • • • • • •	c08 N71-27210
US-PATENT-3,541,825	• • • • • • • • • • • • • • • • • • • •	c15 N71-24836	US-PATENT-3,566,122	• • • • • • • • • • • • • • • • • • • •	c14 N71-27323
US-PATENT-3,541,875	• • • • • • • • • • • • • • • • • • • •	c15 N71-24984	US-PATENT-3,566,143	• • • • • • • • • • • • • • • • • • • •	c14 N71-27407
US-PATENT-3,543,050	• • • • • • • • • • • • • • • • • • • •	c10 N71-24862	US-PATENT-3,566,158	•••••	c10 N71-27126
US-PATENT-3,543,159	• • • • • • • • • • • • • • • • • • • •	c09 N71-24717	US-PATENT-3,566,268	•••••	c10 N71-26577
US-PATENT-3,545,208	************	c28 N71-25213	US-PATENT-3,566,396	• • • • • • • • • • • • • • • • • • • •	c10 N71-26544
US-PATENT-3,545,226	• • • • • • • • • • • • • • •	c23 N71-24725	US-PATENT-3,566,459	************	c14 N71-27334
US-PATENI-3,545,252		c11 N71-24985	US-PATENT-3,566,676		c14 N71-26199
OS-PATENT-3,545,275		c09 N71-24597	US-PATENT-3,566,993		c15 N71-27169
US-PATENT-3,545,725		c15 N71-24599	US-PATENT-3,567,155		c21 N71-27324
US-PATENT-3,545,792		c15 N71-24903	US-PATENT-3,567,339		c15 N71-27084
US-PATENT-3,546,386		c07 N71-24621	US-PATENT-3,567,651		c18 N71-27170
US-PATENT-3,546,471		c14 N71-24864	US-PATENT-3,567,677	************	c18 N71-25881
US-PATENT-3,546,552		c15 N71-24895	US-PATENT-3,567,861	************	c10 N71-25865
US-PATENT-3,546,553		c09 N71-24805	US-PATENT-3,567,913	************	c10 N71-27137
US-PATENT-3,546,684		c07 N71-24624	US-PATENT-3,567,927	**************	c14 N71-28863
US-PATENT-3,546,694	*************	c10 N71-24798	US-PATENT-3,568,G10	**************	c09 N71-27232
US-PATENT-3,546,705	•••••	C09 N71-24842	US-PATENT-3,568,028		
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US-PATENT-3,546,920		c06 N71-24607	US-PATENT-3,568,103		c10 N71-25900 c07 N71-27056
		c32 N71-25360			
US-PATENT-3,546,931 US-PATENT-3,547,105	• • • • • • • • • • • • • • • • • • • •	c09 N71-24618	US-PATENT-3,568,447	•••••	c15 N71-27432
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US-PATENT-3,547,540	• • • • • • • • • • • • • • • • • • • •	c16 N71-24828	US-PATENT-3,568,748		c15 N71-27091
US-PATENT-3,547,801	•••••	c03 N71-24718	US-PATENT-3,568,795	• • • • • • • • • • • • • • • • • • • •	c15 N71-27067
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US-PATENT-3,548,633	• • • • • • • • • • • • • • • • • • • •	c18 N71-24934	US-PATENT-3,568,874	•••••	c15 N71-27068
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US-PATENT-3,548,812	• • • • • • • • • • • • • • • • • • • •	c05 N71-24729	US-PATENT-3,569,710		c14 N71-25901
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US-PATENT-3,549,435		c14 N72-28438	US-PATENT-3,569,804		c09 N71-25999
US-PATENT-3,549,564		c06 N71-24739	US-PATENT-3,569,827		c18 N71-27397
US-PATENT-3,549,799		c09 N71-25866	US-PATENT-3,569,828		c14 N71-27186
US-PATENT-3,549,882		c15 N71-24896	US-PATENT-3,569,866		c10 N71-27271
US-PATENT-3,549,955		c09 N71-24892	US-PATENT-3,569,875	***********	c07 N71-27191
US-PATENT-3,550,023		c09 N71-24806	US-PATENT-3,569,956		c10 N71-25917
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US-PATENT-3,551,816	• • • • • • • • • • • • • • • • • • • •	CO7 N71-24613	US-PATENT-3,570,785		c28 N71-27585
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US-PATENT-3,553,904		c15 N71-26134	US-PATENT-3,571,699		c09 N71-27053
US-PATENT-3,554,466		c31 N71-26537	US-PATENT-3,571,700		c14 N71-27325
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US-PATENT-3,555,867		c15 N71-26148	US-PATENT-3,572,104 US-PATENT-3,572,112	•••••	c15 N71-27006
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US-PATENT-3,557,534	• • • • • • • • • • • • • • • • • • • •	c15 N71-26185	US-PATENT-3,573,977		c15 N71-28582
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US-PATENT-3,560,161	• • • • • • • • • • • • • • • • • • • •	c06 N71-26754	US-PATENT-3,574,286	• • • • • • • • • • • • • • • • • • • •	c11 N71-27036
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US-PATENT-3,562,631	• • • • • • • • • • • • • • • • • • • •	c14 N71-26137	US-PATENT-3,574,462		c14 N71-29041
US-PATENT-3,562,857	• • • • • • • • • • • • • • • • • • • •	c15 N71-26721	US-PATENT-3,574,467	• • • • • • • • • • • • • • • • • • • •	c23 N71-29125
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US-PATENT-3,563,918		c06 N71-27363	US-PATENT-3,576,107	*************	c28 N71-26781
US-PATENT-3,564,234		c09 N71-26787	US-PATENT-3,576,127		c14 N71-26161
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c33 N72-17948
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US-PATENT-3,576,723
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US-PATENT-3,582,960
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                                                                                                             ****************
                                                                                                                                      c18 N72-17532
US-PATENT-3,583,058
US-PATENT-3,583,239
US-PATENT-3,583,322
                            •••••••
                                                     c15 N71-29018
                                                                                                                                      c03 N72-15986
c15 N72-16330
                                                     c15 N71-29132
                                                    c05 N71-28619
                                                                                                             ...........
                                                                                 US-PATENT-3,608,046
                                                                                                                                      c15 N72-16329
                                                                                 US-PATENT-3,608,365
US-PATENT-3,608,409
US-PATENT-3,583,419
US-PATENT-3,583,744
US-PATENT-3,583,777
                                                    c12 N71-28741
                                                                                                                                      c15 N72-17452
                                                     c15 N71-29133
                                                                                                                                      c14 N72-16283
                                                    c15... N7.1-28465.
                                                                                 US-PATENT-3,608,844
                                                                                                              ***********
                                                                                                                                      c15-N72-18477
US-PATENT-3,583,815
                                                    c15 N71-28740
                                                                                 US-PATENT-3,609,230
US-PATENT-3,609,271
                                                                                                                                      c09 N72-17156
US-PATENT-3,584,311 ......
                                                    c09 N71-28468
                                                                                                             ......
                                                                                                                                      c09 N72-22204
US-PATENT-3,584,660
US-PATENT-3,585,514
                          c15 N72-12408
                                                                                 US-PATENT-3,609,327
                                                                                                                                      c08 N72-22167
                                                    c10 N71-33129
                                                                                 US-PATENT-3,609,353
                                                                                                                                      c14 N72-17328
US-PATENT-3,585,882
                                                          N71-33518
                                                                                 US-PATENT-3,609,364
US-PATENT-3,609,387
                                                                                                             c10 N72-17173
US-PATENT-3,586,261
                                                    c31 N71-33160
                                                                                                                                      c09 N72-17157
c14 N72-17325
c10 N72-17171
US-PATENT-3,587,306
US-PATENT-3,587,424
                            . . . . . . . . . . . . . . . .
                                                    c11 N71-33612
c16 N71-33410
                                                                                 US-PATENT-3,609,535
                                                                                 US-PATENT-3,609,567
US-PATENT-3,588,220
                                                                                                             ****************
                                                          N71-33229
                                                                                 US-PATENT-3,609,740
US-PATENT-3,610,365
                                                    c23
US-PATENT-3,588,331
US-PATENT-3,588,359
                                                                                                                                      c05 N72-16015
                           ......
                                                     c07 N72-12081
                                                                                                                                      c15 N72-17451
                                                    c07 N71-33108
                                                                                 US-PATENT-3,611,274
                                                                                                                                      c15 N72-17455
US-PATENT-3,588,483
US-PATENT-3,588,648
US-PATENT-3,588,671
US-PATENT-3,588,705
                                                                                 US-PATENT-3,611,330
US-PATENT-3,611,798
                                                    c68
                                                          N71-33110
                                                                                                                                      c23 N72-17747
                                                          N71-33613
                                                    c07
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                                                                                                                                      c14 N72-22437
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                                                    c09 N71-33109
                                                                                 US-PATENT-3,611,801
                                                                                                                                      c14 N72-17329
                                                                                 US-PATENT-3,612,391
                                                    c07 N71-33696
                                                                                                                                      c11 N72-22245
US-PATENT-3,588,751
                                                    c07 N71-33606
                                                                                 US-PATENT-3,612,442
                                                                                                             • • • • • • • • • • • • • • • •
                                                                                                                                      c28 N72-22769
US-PATENT-3,588,874
US-PATENT-3,588,883
US-PATENT-3,591,420
                           ......
                                                                                 US-PATENT-3,612,645
US-PATENT-3,612,743
                                                    c09 N71-33519
                                                                                                                                     c14 N72-22441
c09 N72-22198
                                                                                                             •••••••
                                                    c10 N71-33407
                                                                                US-PATENT-3,612,895
US-PATENT-3,613,110
US-PATENT-3,613,111
US-PATENT-3,613,370
                                                    c03 N71-33409
                                                                                                                                      c09 N72-22197
US-PATENT-3,591,426
                                                    c17 N71-33408
                                                                                                                                      c08 N72-21199
US-PATENT-3,591,885
US-PATENT-3,591,960
US-PATENT-3,591,967
                                                    c15 N72-11390
                                                                                                             c08 N72-21200
c28 N72-22770
                           c15 N72-12409
                                                    c28 N72-11709
                                                                                 US-PATENT-3,613,457
US-PATENT-3,613,794
                                                                                                                                     c15 N72-22482
US-PATENT-3,592,422
                                                    c15 N72-11391
                                                                                                                                      c12 N72-21310
US-PATENT-3,592,478
US-PATENT-3,592,505
US-PATENT-3,592,545
                                                                                 US-PATENT-3,614,228
US-PATENT-3,614,327
                                                    c09 N72-11224
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                                                                                                                                      c14 N72-21409
                           •••••
                                                    c05 N72-11085
                                                                                                                                     c08 N72-22162
                                                    c14 N72-11364
                                                                                US-PATENT-3,614,343
                                                                                                                                     c07 N72-21119
                                                                                US-PATENT-3,614,431
US-PATENT-3,614,475
US-PATENT-3,614,557
US-PATENT-3,592,559
US-PATENT-3,592,628
US-PATENT-3,592,768
US-PATENT-3,593,001
                                                    c02 N72-11018
                                                                                                                                     c14 N72-21408
                                                    c15 N72-11387
                                                                                                             c10 N72-16172
                           c15 N72-11389
c15 N72-11392
                                                                                                                                     c26 N72-21701
                                                                                 US-PATENT-3,614,587
                                                                                                                                     c09 N72-22196
US-PATENT-3,593,024
                                                    c24 N72-11595
                                                                                 US-PATENT-3,614,648
                                                                                                             .....
                                                                                                                                     c09 N72-21247
                                                                                US-PATENT-3,614,772
US-PATENT-3,614,898
US-PATENT-3,593,132
US-PATENT-3,593,138
US-PATENT-3,593,175
                           c09 N72-11225
                                                                                                             c08 N72-22163
                                                    c07 N72-11149
c10 N72-11256
                                                                                                                                     c15 N72-21462
c09 N72-22195
                                                                                US-PATENT-3,614,899
US-PATENT-3,615,021
US-PATENT-3,615,241
US-PATENT-3,615,465
US-PATENT-3,593,180
US-PATENT-3,593,194
US-PATENT-3,594,790
                                                    c07 N72-11150
                                                                                                                                     c15 N72-22483
                                                    c16 N72-12440
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                                                                                                                                     c15 N72-21465
                           c07 N72-12080
US-PATENT-3,594,790
US-PATENT-3,594,803
US-PATENT-3,596,465
US-PATENT-3,596,510
US-PATENT-3,596,554
                                                                                                                                     c06 N72-21094
                                                                                US-PATENT-3,615,853
US-PATENT-3,616,338
US-PATENT-3,616,528
US-PATENT-3,617,804
                                                    c09 N72-12136
                                                                                                                                     CO3 N72-22042
                                                    c28 N72-11708
                                                                                                                                     c15 N72-21466
                                                    c14 N72-11363
                                                                                                                                     c03 N72-22041
                                                    c15 N72-11385
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                                                                                                                                     c25 N72-24753
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US-PATENT-3,596,863
                                                                                US-PATENT-3,619,896
US-PATENT-3,619,924
US-PATENT-3,620,018
US-PATENT-3,620,069
                                                    c15 N72-11386
                                                                                                                                     c15 N72-22487
US-PATENT-3,597,281
                                                    c03 N72-11062
                                                                                                                                     c11 N72-22247
US-PATENT-3,598,921
US-PATENT-3,599,216
                                                    c08 N72-11171
                                                                                                            ......
                                                                                                                                     c28 N72-22771
                                                    c07 N72-11148
c08 N72-11172
                                                                                                                                     c14 N72-22440
US-PATENT-3,599,335
                                                                                US-PATENT-3,620,076
                                                                                                                                     c11 N72-22246
US-PATENT-3,599,443
                                                    c05 N72-11084
                                                                                US-PATENT-3,620,083
US-PATENT-3,620,095
US-PATENT-3,620,585
                                                                                                                                     c14 N72-22438
US-PATENT-3,599,489
                           •••••••••
                                                    c14 N72-11365
                                                                                                                                     c15 N72-21463
US-PATENT-3,600,046
                                                    c15 N72-11388
                                                                                                            c15 N72-22490
US-PATENT-3,602,920
                                                    c11 N72-17183
                                                                                US-PATENT-3,620,595
                                                                                                                                     c14 N72-22445
US-PATENT-3,602,923
                                                    c05 N72-22093
                                                                                US-PATENT-3,620,606
                                                                                                                                     c23 N72-22673
US-PATENT-3,602,979
                                                    c15 N72-22492
                                                                                US-PATENT-3,620,718
                                                                                                            c17 N72-22535
US-PATENT-3,602,984
US-PATENT-3,603,092
                                                   c26 N72-17820
c28 N72-17843
c28 N72-18766
                                                                                US-PATENT-3,620,784
US-PATENT-3,620,791
                                                                                                                                    c18 N72-23581
c18 N72-22566
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US-PATENT-3,603,093
                                                                                US-PATENT-3,620,846
                                                                                                                                     c31 N72-22874
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US-PATENT-3,621,130		c08 N72-22164	US-PATENT-3,649,462	••••	c11 N72-25284
US-PATENT-3,621,193		c15 N72-23497	US-PATENT-3,649,907		c09 N72-23172
		c15 N72-22491	US-PATENT-3,649,921		c05 N72-23085
US-PATENT-3,621,194	• • • • • • • • • • • • • • • • • • • •	c08 N72-22165	US-PATENT-3,649,935		c07 N72-25170
US-PATENT-3,621,228	• • • • • • • • • • • • • •		US-PATENT-3,650,095		c14 N72-23457
US-PATENT-3,621,277		c10 N72-22236	US-PATENT-3,650,474		c28 N72-23809
		c09 N72-22200		••••••	c09 N72-25247
US-PATENT-3,621,287		c09 N72-22201	US-PATENT-3,653,052	• • • • • • • • • • • • • • • • • • • •	
US-PATENT-3,621,290		c09 N72-22202	US-PATENT-3,653,882	• • • • • • • • • • • • • • • • • • • •	c18 N72-25539
US-PATENT-3,621,294		c09 N72-23171	US-PATENT-3,653,970		c03 N72-24037
	•••••	c09 N72-22203	US-PATENT-3,654,036		c03 N72-25019
US-PATENT-3,621,362		c09 N72-25249	US-PATENT-3,656,313		c23 N72-25619
US-PATENT-3,621,372		c09 N72-33204	US-PATENT-3,656,317		c33 N72-25911
US-PATENT-3,621,406	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,656,352	************	c14 N72-25411
US-PATENT-3,621,407		c09 N72-21245			c15 N72-25450
US-PATENT-3,621,565		c09 N72-22199	US-PATENT-3,656,781		
US-PATENT-3,623,030		c08 N72-21198	US-PATENT-3,657,549	• • • • • • • • • • • • • • • • • • • •	c14 N72-25409
US-PATENT-3,623,094		c10 N72-22235	US-PATENT-3,657,644		c14 N72-24477
US-PATENT-3,623,107		c07 N72-21117	US-PATENT-3,657,928		c14 N72-25410
US-PATENT-3,623,114		c07 N72-22127	US-PATENT-3,658,295		c15 N72-25451
		c14 N72-21406	US-PATENT-3,658,569		c15 N72-25452
US-PATENT-3,623,359		c14 N72-21405	US-PATENT-3,658,608		c27 N72-25699
US-PATENT-3,623,360	• • • • • • • • • • • • • • • • • • • •	c14 N72-21407	US-PATENT-3,658,974		c15 N72-24522
US-PATENT-3,623,361			US-PATENT-3,659,043		c14 N72-25412
US-PATENT-3,623,394	• • • • • • • • • • • • • • •	c15 N72-22488			c08 N72-25208
US-PATENT-3,623,828		c15 N72-22489	US-PATENT-3,659,053	• • • • • • • • • • • • • • • • • • • •	c09 N72-25250
US-PATENT-3,623,861		c17 N72-22530	US-PATENT-3,659,148	•••••	
US-PATENT-3,624,241		c22 N72-21644	US-PATENT-3,659,184	• • • • • • • • • • • • • • • • • • • •	c09 N72-25251
US-PATENT-3,624,496		c15 N72-21464	US-PATENT-3,659,225		c16 N72-25485
US-PATENT-3,624,598		c21 N72-22619	US-PATENT-3,659,292	•••••	c08 N72-25209
		c07 N72-21118	US-PATENT-3,660,240		c06 N72-25149
US-PATENT-3,624,650		c09 N72-21246	US-PATENT-3,660,434		c06 N72-25148
US-PATENT-3,624,659	• • • • • • • • • • • • • • • • • • • •	c05 N72-20098	US-PATENT-3,660,704		c15 N72-25456
US-PATENT-3,624,839	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,660,851		c05 N72-25119
US-PATENT-3,625,018	• • • • • • • • • • • • • • •	c15 N72-22484			c08 N72-25210
US-PATENT-3,625,084		c15 N72-22485	US-PATENT-3,662,337		c05 N72-25121
US-PATENT-3,625,766		c03 N72-20032	US-PATENT-3,662,441	•••••	
US-PATENT-3,626,189		c14 N72-20381	US-PATENT-3,662,547	•••••	c15 N72-25455
US-PATENT-3,626,218		c14 N72-22439	US-PATENT-3,662,604		c13 N72-25323
US-PATENT-3,626,298		c07 N72-20140	US-PATENT-3,662,661		c31 N72-25842
US-PATENT-3,626,308	•••••	c10 N72-20223	US-PATENT-3,662,744		c05 N72-25122
		c14 N72-20380	US-PATENT-3,662,973		c21 N72-25595
US-PATENT-3,626,828		c22 N72-20597	US-PATENT-3,663,346		c18 N72-25541
US-PATENT-3,629,068	• • • • • • • • • • • • • • • • • • • •	c18 N72-22567	US-PATENT-3,663,347		c18 N72-2554C
US-PATENT-3,629,161	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,663,464		c06 N72-25147
US-PATENT-3,630,276		c33 N72-20915			c06 N72-25152
US-PATENT-3,630,304	• • • • • • • • • • • • • • • • • • • •	c11 N72-20244	US-PATENT-3,663,521		c14 N72-25414
US-PATENT-3,630,627		c03 N72-20033	US-PATENT-3,663,753	•••••	
US-PATENT-3,631,339		c08 N72-20177	US-PATENT-3,663,828	•••••	c09 N72-25262
US-PATENT-3,631,351		c10 N72-20224	US-PATENT-3,663,839	•••••	c09 N72-25260
US-PATENT-3,631,382		c09 N72-20200	US-PATENT-3,663,843		c09 N72-25255
US-PATENT-3,631,737		c15 N72-28495	US-PATENT-3,663,885		c09 N72-25257
US-PATENI-3,031,737		c15 N72-20442	US-PATENT-3,663,886		c09 N72-25258
US-PATENT-3,632,081	• • • • • • • • • • • • • • • • • • • •	c15 N72-20445	US-PATENT-3,663,929		c09 N72-25256
US-PATENT-3,632,140	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,663,938		c03 N72-25020
US-PATENT-3,632,242		c15 N72-20446			c09 N72-25252
US-PATENT-3,632,923	• • • • • • • • • • • • • • • • • • • •	c09 N72-20199	US-PATENT-3,663,940	•••••	c09 N72-25253
US-PATENT-3,632,996		c08 N72-20176	US-PATENT-3,663,941	•••••	c09 N72-25254
US-PATENT-3,633,048		c10 N72-20221	US-PATENT-3,663,944	• • • • • • • • • • • • • • • • • • • •	
US-PATENT-3,633,110		c07 N72-20141	US-PATENT-3,664,185	• • • • • • • • • • • • • • • •	c15 N72-26371
US-PATENT-3,634,383		c27 N73-22710	US-PATENT-3,664,874	•••••	c09 N72-25259
US-PATENT-3,635,216		c05 N72-20096	US-PATENT-3,665,064		c05 N72-25120
US-PATENT-3,635,765		c03 N72-20034	US-PATENT-3,665,307		c15 N72-25457
		c03 N72-20031	US-PATENT-3,665,313		c07 N72-25173
US-PATENT-3,636,539	• • • • • • • • • • • • • • • • • • • •	c05 N72-22092	US-PATENT-3,665,417		c07 N72-25172
US-PATENT-3,636,564	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,665,467		c14 N72-28437
US-PATENT-3,636,623	• • • • • • • • • • • • • • • • • • • •	c15 N72-20444	US-PATENT-3,665,481		c07 N72-25174
US-PATENT-3,636,711	• • • • • • • • • • • • • • • • • • • •	c28 N72-20758			c09 N72-25261
US-PATENT-3,636,966		c05 N72-20097	US-PATENT-3,665,589		c15 N72-25454
US-PATENT-3,637,051		c15 N72-20443	US-PATENT-3,665,669		c11 N72-25287
US-PATENT-3,637,170		c21 N72-21624	US-PATENT-3,665,670		
US-PATENT-3,637,312		c14 N72-20379	US-PATENT-3,665,750	• • • • • • • • • • • • • • • • • • • •	c33 N72-25913
US-PATENT-3,637,842		c06 N72-20121	US-PATENT-3,665,751		c32 N72-25877
US-PATENT-3,638,002		c08 N72-21197	US-PATENT-3,665,758		c11 N72-25288
US-PATENT-3,638,066		c10 N72-20225	US-PATENT-3,666,051		c15 N72-25453
		c09 N72-21243	US-PATENT-3,666,120		c03 N72-25021
US-PATENT-3,638,103		c10 N72-20222	US-PATENT-3,666,566		c03 N72-26031
US-PATENT-3,638,114	• • • • • • • • • • • • • • • • • • • •	c09 N72-21244	US-PATENT-3,666,631		c14 N72-25413
US-PATENT-3,638,224	• • • • • • • • • • • • • • • • • • • •	c14 N72-22443	US-PATENT-3,666,718		c06 N72-25151
US-PATENT-3,639,250					c06 N72-25150
US-PATENT-3,639,510	• • • • • • • • • • • • • •	c06 N72-22107	US-PATENT-3,666,741 US-PATENT-3,666,942		c06 N72-25146
US-PATENT-3,639,809	• • • • • • • • • • • • • • • • • • • •	c15 N72-22486		• • • • • • • • • • • • • • • • • • • •	
US-PATENT-3,639,835		c14 N72-22442	US-PATENT-3,667,010	•••••	c26 N72-25679
US-PATENT-3,640,256		c28 N72-22772	US-PATENT-3,667,039	• • • • • • • • • • • • • • • • • • • •	c26 N72-25680
US-PATENT-3,647,276	•••••	c14 N72-22444	US-PATENT-3,667,044	•••••	c07 N72-25171
US-PATENT-3,647,924		c11 N72-23215	US-PATENT-3,668,956	• • • • • • • • • • • • • • • • • • • •	c15 N72-27485
OD IBINAT J.OT () 327			US-PATENT-3,669,110		c05 N72-27103
DC-DATENT-3 6HQ AH3		CO9 N72-23173			
US-PATENT-3,648,043		c09 N72-23173	US-PATENT-3.669.393		c15 N72-27484
US-PATENT-3,648,083	••••••	c12 N72-25292	US-PATENT-3,669,393		
US-PATENT-3,648,083 US-PATENT-3,648,152		c12 N72-25292 c03 N72-23048	US-PATENT-3,670,097		c23 N72-27728
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209		c12 N72-25292 c03 N72-23048 c09 N72-27226	US-PATENT-3,670,097 US-PATENT-3,670,168		c23 N72-27728 c14 N72-27409
US-PATENT-3,648,083 US-PATENT-3,648,152		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202		c23 N72-27728 c14 N72-27409 c14 N72-2741
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,241		c23 N72-27728 c14 N72-27409 c14 N72-2741 c14 N72-27408
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209 US-PATENT-3,648,250		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207 c08 N72-25206	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,241 US-PATENT-3,670,240		c23 N72-27728 c14 N72-27409 c14 N72-2741 c14 N72-27408 c09 N72-2822
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209 US-PATENT-3,648,256 US-PATENT-3,648,256		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207 c08 N72-25206 c28 N72-23810	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,241 US-PATENT-3,670,290 US-PATENT-3,670,559		c23 N72-27728 c14 N72-27409 c14 N72-27411 c14 N72-27408 c09 N72-28229 c33 N72-27959
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209 US-PATENT-3,648,250 US-PATENT-3,648,255 US-PATENT-3,648,275 US-PATENT-3,648,475		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207 c08 N72-25206	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,241 US-PATENT-3,670,240		c23 N72-27728 c14 N72-27409 c14 N72-27410 c14 N72-27408 c09 N72-28222 c33 N72-2795 c14 N72-2741
US-PATENT-3,648,083 US-PATENT-3,648,209 US-PATENT-3,648,209 US-PATENT-3,648,250 US-PATENT-3,648,256 US-PATENT-3,648,275 US-PATENT-3,648,461 US-PATENT-3,649,242		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207 c08 N72-25206 c28 N72-23810 c15 N72-25448	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,241 US-PATENT-3,670,290 US-PATENT-3,670,559		c23 N72-27728 c14 N72-27401 c14 N72-27411 c14 N72-27408 c09 N72-28221 c33 N72-27952 c14 N72-27411 c11 N72-2726
US-PATENT-3,648,083 US-PATENT-3,648,152 US-PATENT-3,648,209 US-PATENT-3,648,250 US-PATENT-3,648,255 US-PATENT-3,648,275 US-PATENT-3,648,475		c12 N72-25292 c03 N72-23048 c09 N72-27226 c09 N72-25248 c08 N72-25207 c08 N72-25206 c28 N72-23810	US-PATENT-3,670,097 US-PATENT-3,670,168 US-PATENT-3,670,202 US-PATENT-3,670,291 US-PATENT-3,670,559 US-PATENT-3,670,559		c23 N72-27728 c14 N72-27409 c14 N72-27410 c14 N72-27408 c09 N72-28222 c33 N72-2795 c14 N72-2741

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US-PATENT-3,671,105	• • • • • • • • • • • • • • • • • • • •	c26 N72-27784	#S-DAMPNM-2 702 022		
US-PATENT-3,671,329			US-PATENT-3,702,933	••••••	c23 N73-13662
		c14 N72-27410	US-PATENT-3,702,951	••••••••	c09 N73-13208
US-PATENT-3,671,497	•••••	c06 N72-27144	US-PATENT-3,702,972	•••••	c16 N73-13489
US-PATENT-3,671,798	• • • • • • • • • • • • • • • •	c10 N72-27246	US-PATENT-3,702,979	************	c14 N73-13420
US-PATENT-3,672,999		c03 N72-27053	US-PATENT-3,704,659	************	
US-PATENT-3,673,424		c09 N72-27227	US-PATENT-3,705,255		c14 N73-14427
US-PATENT-3,673,440	•••••	c09 N72-27228		• • • • • • • • • • • • • • • • • • • •	c15 N73-14469
US-PATENT-3,675,332	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,705,288	•••••	c15 N73-14468
		c14 N72-28436	US-PATENT-3,705,316	***********	c09 N73-14214
US-PATENT-3,675,376	• • • • • • • • • • • • • • • • • • • •	c15 N72-28496	US-PATENT-3,705,406	************	c07 N73-14130
US-PATENT-3,675,712	• • • • • • • • • • • • • • •	c03 N72-28025	US-PATENT-3,706,221	• • • • • • • • • • • • • • • • • • • •	c14 N73-14429
US-PATENT-3,675,910		c17 N72-28535	US-PATENT-3,706,230	*************	c31 N73-14855
US-PATENT-3,675,935		c15 N72-29488	US-PATENT-3,706,281		
US-PATENT-3,676,084	• • • • • • • • • • • • • • • • • • • •	c17 N72-28536		• • • • • • • • • • • • • • • • • • • •	c31 N73-14853
US-PATENT-3,676,674	•••••		US-PATENT-3,706,583	************	c18 N73-14584
		c14 N72-29464	US-PATENT-3,706,970	•••••	c21 N73-14692
US-PATENT-3,676,754	• • • • • • • • • • • • • • • • • • • •	c26 N72-28761	US-PATENT-3,708,359		c27 N73-16764
US-PATENT-3,676,772	• • • • • • • • • • • • • • • • • • • •	c10 N72-28240	US-PATENT-3,708,419		c33 N73-16918
US-PATENT-3,676,787	• • • • • • • • • • • • • • • •	c16 N72-28521	US-PATENT-3,708,671		c14 N73-16483
US-PATENT-3,676,809		c09 N72-29172	US-PATENT-3,708,674	•••••	c14 N73-16484
US-PATENT-3,678,191	• • • • • • • • • • • • • • • • • • • •	c10 N72-31273	US-PATENT-3,709,663		
US-PATENT-3,678,654	• • • • • • • • • • • • • • • • • • • •	c06 N72-31140	US-PATENT-3,710,122	•••••	c06 N73-16106
US-PATENT-3,678,685				•••••	c16 N73-16536
	• • • • • • • • • • • • • • • • • • • •	c21 N72-31637	US-PATENT-3,710,257	***********	c07 N73-16121
US-PATENT-3,679,360	• • • • • • • • • • • • • • • • • • • •	c04 N72-33072	US-PATENT-3,710,261	************	c10 N73-16205
US-PATENT-3,679,899	• • • • • • • • • • • • • • • • • • • •	c06 N72-31141	US-PATENT-3,710,329	• • • • • • • • • • • • • • • • • • • •	c10 N73-16206
US-PATENT-3,680,142	• • • • • • • • • • • • • •	c09 N72-31235	US-PATENT-3,711,042	••••	CO2 N73-19004
US-PATENT-3,680,144		c07 N72-32169	US-PATENT-3,712,120	***********	c14 N73-19421
US-PATENT-3,680,830		c15 N72-31483	US-PATENT-3,712,121		
US-PATENT-3,681,581	• • • • • • • • • • • • • • • • • • • •	c08 N72-31226		••••••	c14 N73-19420
US-PATENT-3,686,542	*************	c14 N72-31446	US-PATENT-3,712,132	•••••	c14 N73-20478
US-PATENT-3,690,291			US-PATENT-3,712,195	••••	c14 N73-19419
	• • • • • • • • • • • • • • • • • • • •	c15 N72-32487	US-PATENT-3,712,591	•••••	c15 N73-19458
US-PATENT-3,692,533	• • • • • • • • • • • • • • • • • • • •	c05 N72-33096	US-PATENT-3,713,163	• • • • • • • • • • • • • • • • • • • •	c09 N73-19234
US-PATENT-3,693,002	• • • • • • • • • • • • • • • • • • • •	c25 N72-32688	US-PATENT-3,713,290	************	c28 N73-19793
US-PATENT-3,693,105		c10 N72-33230	US-PATENT-3,713,480	*************	c05 N73-20137
US-PATENT-3,693,346	• • • • • • • • • • • • • • • • • • • •	c15 N72-33477	US-PATENT-3,713,987		
US-PATENT-3,693,418-		c14 N72-33377		************	c15 N73-20514
US-PATENT-3,694,041		c15 N72-33476	US-PATENT-3,714,332		c15 N73-19457
US-PATENT-3,694,094			US-PATENT-3,714,405	••••••	c10 N73-20253
	• • • • • • • • • • • • • • • • • • • •	c14 N72-32452	US-PATENT-3,714,432	• • • • • • • • • • • • • • • • •	c14 N73-20475
US-PATENT-3,694,313	• • • • • • • • • • • • • • • • • • • •	c24 N72-33681	US-PATENT-3,714,526	• • • • • • • • • • • • • • • • • • • •	c09 N73-19235
US-PATENT-3,694,581	• • • • • • • • • • • • • • • • • •	c08 N72-33172	US-PATENT-3,714,588		c09 N73-20231
US-PATENT-3,694,655		c25 N72-33696	US-PATENT-3,714,624	***********	c14 N73-20474
US-PATENT-3,694,700		c09 N72-33205	US-PATENT-3,714,645		
US-PATENT-3,694,753		c07 N72-33146	US-PATENT-3,714,821	••••••	c08 N73-20217
US-PATENT-3,694,771	************	c09 N73-15235		• • • • • • • • • • • • • • • • • • • •	c14 N73-20476
US-PATENT-3,695,101			US-PATENT-3,714,833	• • • • • • • • • • • • • • • •	c11 N73-20267
	• • • • • • • • • • • • • • • • • • • •	c11 N73-12264	US-PATENT-3,715,092	************	c03 N73-20039
US-PATENT-3,696,418	***********	c09 N73-12211	US-PATENT-3,715,152		c23 N73-20741
US-PATENT-3,696,833	• • • • • • • • • • • • • • •	c11 N73-12265	US-PATENT-3,715,590		c14 N73-20477
US-PATENT-3,697,021	************	c15 N73-12486	US-PATENT-3,715,600	************	c03 N73-20040
US-PATENT-3,697,630	• • • • • • • • • • • • • • • • • • • •	c15 N73-12489	US-PATENT-3,715,660		
US-PATENT-3,697,733	• • • • • • • • • • • • • • • • • • • •	c08 N73-12176		•••••	c07 N73-20175
US-PATENT-3,697,950	• • • • • • • • • • • • • • • • • • • •	c08 N73-12177	US-PATENT-3,715,663	************	c07 N73-20174
US-PATENT-3,697,968			US-PATENT-3,715,693	••••••	c09 N73-20232
	• • • • • • • • • • • • • • • • • • • •	c21 N73-13644	US-PATENT-3,715,723	***********	c07 N73-20176
US-PATENT-3,698,385	• • • • • • • • • • • • • • • • • • • •	c05 N73-13114	US-PATENT-3,715,915	• • • • • • • • • • • • • • • • • • • •	c32 N73-20740
US-PATENT-3,698,412	• • • • • • • • • • • • • • • • • • • •	c14 N73-13418	US-PATENT-3,718,863	************	c10 N73-20254
US-PATENT-3,698,659		c11 N73-13257	US-PATENT-3,719,891	•••••	C07 N73-25160
US-PATENT-3,698,667		c02 N73-13008	US-PATENT-3,720,075	***********	c33 N73-25952
US-PATENT-3,698,848	• • • • • • • • • • • • • • • • • • • •	c15 N73-13464	US-PATENT-3,720,208	*************	
US-PATENT-3,699,511	• • • • • • • • • • • • • • • • • • • •	c21 N73-13643	US-PATENT-3,723,475		c05 N73-25125
US-PATENT-3,699,645	••••••	c14 N73-13417		••••••	c14 N73-25462
US-PATENT-3,699,799	*************		US-PATENT-3,728,861	•••••	c28 N73-24783
		c15 N73-13463	US-PATENT-3,729,068	•••••	c15 N73-25512
US-PATENT-3,699,807	• • • • • • • • • • • • • • • • • • • •	c14 N73-13416	US-PATENT-3,729,129	••••••	c08 N73-25206
US-PATENT-3,699,811	• • • • • • • • • • • • • • • •	c14 N73-13415	US-PATENT-3,729,260	• • • • • • • • • • • • • • • • • • • •	c14 N73-25463
US-PATENT-3,700,005	••••••	c15 N73-13462	US-PATENT-3,729,343	*************	c14 N73-24472
US-PATENT-3,700,192		c31 N73-13898	US-PATENT-3,729,676	••••••	c14 N73-24473
US-PATENT-3,700,193	• • • • • • • • • • • • • • • • • • • •	c30 N73-12884	US-PATENT-3,729,736	************	c07 N73-25161
US-PATENT-3,700,291	• • • • • • • • • • • • • • • • • • • •	c15 N73-12488	US-PATENT-3,729,743	**************	
US-PATENT-3,700,334		c14 N73-12446	US-PATENT-3,729,935		c07 N73-24176
US-PATENT-3,700,503	*************	c14 N73-12447		••••••	c28 N73-24784
US-PATENT-3,700,538	*************		US-PATENT-3,730,287	***********	c11 N73-26238
US-PATENT-3,700,575		c18 N73-12604	US-PATENT-3,730,891	•••••	c18 N73-26572
	• • • • • • • • • • • • • • • • • • • •	c15 N73-12487	US-PATENT-3,731,528	************	c12 N73-25262
US-PATENT-3,700,603	• • • • • • • • • • • • • • • •	c14 N73-14428	US-PATENT-3,731,531	************	c14 N73-25460
US-PATENT-3,700,812	• • • • • • • • • • • • • • • •	c10 N73-12244	US-PATENT-3,732,040	************	c15 N73-24513
US-PATENT-3,700,868	• • • • • • • • • • • • • • •	c09 N73-13209	US-PATENT-3,732,158	•••••	c17 N73-24569
US-PATENT-3,700,869		c08 N73-12175	US-PATENT-3,732,405		
US-PATENT-3,700,893	••••••	c14 N73-12444	US-PATENT-3,732,409	••••••	c10 N73-25240
US-PATENT-3,700,897	*************	c14 N73-12445		•••••	c08 N73-26175
US-PATENT-3,700,961	• • • • • • • • • • • • • • • • • • • •		US-PATENT-3,732,567	•••••	c14 N73-25461
US-PATENT-3,701,631		c23 N73-13660	US-PATENT-3,733,350	•••••	c06 N73-26100
	• • • • • • • • • • • • • • • • • • • •	c17 N73-12547	US-PATENT-3,733,424	************	c32 N73-26910
US-PATENT-3,701,894	• • • • • • • • • • • • • • • • • • • •	c07 N73-13149	US-PATENT-3,733,463	• • • • • • • • • • • • • • • • • • • •	c14 N73-26430
US-PATENT-3,702-791	•••••	c15 N73-13465	US-PATENT-3,734,432	************	c02 N73-26004
US-PATENT-3,702,463	• • • • • • • • • • • • • • • •	c08 N73-13187	US-PATENT-3,735,206	*************	c10 N73-25243
US-PATENT-3,702,520	• • • • • • • • • • • • • • • • • • • •	c32 N73-13921	US-PATENT-3,735,591	***************************************	c25 N73-25760
US-PATENT-3,702,532	• • • • • • • • • • • • • • • • • • • •	c15 N73-13467	US-PATENT-3,736,607		
US-PATENT-3,702,536	•••••	c28 N73-13773		•••••	c02 N73-26006
US-PATENT-3,702,575	••••••••••••	c15 N73-13466	US-PATENT-3,736,764	••••	c05 N73-26071
US-PATENT-3,702,688			US-PATENT-3,736,849	•••••	c14 N73-26431
	• • • • • • • • • • • • • • • • • • • •	c31 N73-14854	US-PATENT-3,736,938	•••••	c05 N73-27062
US-PATENT-3,702,735	•••••	c23 N73-13661	US-PATENT-3,736,956	•••••	c15 N73-26472
US-PATENT-3,702,762	•••••	c06 N73-13129	US-PATENT-3,737,117	************	c31 N73-26876
US-PATENT-3,702,775	•••••	c06 N73-13128	US-PATENT-3,737,118	************	c15 N73-25513
US-PATENT-3,702,841	• • • • • • • • • • • • • • • • • • • •	c18 N73-13562	US-PATENT-3,737,121	************	c02 N73-26005
US-PATENT-3,702,898	• • • • • • • • • • • • • • • • • • • •	c10 N73-13235	US-PATENT-3,737,181		c33 N73-26958
	_		3,737,101		033 M/3-20330

US-PATENT-3,737,217		c05 N73-26072
US-PATENT-3,737,231		c07 N73-26119
US-PATENT-3,737,237		c26 N73-26751
US-PATENT-3,737,639		c10 N73-26230
US-PATENT-3,737,676	• • • • • • • • • • • • • •	c10 N73-26229
US-PATENT-3,737,757	• • • • • • • • • • • • • • • • • • • •	c10 N73-26228
US-PATENT-3,737,762	• • • • • • • • • • • • • • • • • • • •	c14 N73-28486
US-PATENT-3,737,776		c07 N73-26118
US-PATENT-3,737,781	• • • • • • • • • • • • • • • •	c10 N73-25241
US-PATENT-3,737,815	• • • • • • • • • • • • • • • •	c09 N73-26195
US-PATENT-3,737,824		c26 N73-26752
US-PATENT-3,737,905		c14 N73-26432
US-PATENT-3,737,912		c07 N73-26117
US-PATENT-3,740,671	• • • • • • • • • • • • • • • • • • • •	c10 N73-27171
US-PATENT-3,740,725	• • • • • • • • • • • • • • • • • • • •	c08 N73-26176
US-PATENT-3,741,001		c14 N73-27376
US-PATENT-3,742,316	• • • • • • • • • • • • • • • • • • • •	c09 N73-27150
US-PATENT-3,744,128	• • • • • • • • • • • • • • • • • • • •	c09 N73-28083 c14 N73-28489
US-PATENT-3,744,148		c28 N73-27699
US-PATENT-3,744,247 US-PATENT-3,744,294	• • • • • • • • • • • • • • • • • • • •	c14 N73-27379
US-PATENT-3,744,294		c12 N73-28144
US-PATENT-3,744,320		c14 N73-28487
US-PATENT-3,744,480		c05 N73-27941
US-PATENT-3,744,510		c15 N73-27406
US-PATENT-3,744,738		c14 N73-27378
US-PATENT-3,744,794		c14 N73-27377
US-PATENT-3,744,912	• • • • • • • • • • • • • • • • • • • •	c16 N73-30476
US-PATENT-3,744,913		c14 N73-28490
US-PATENT-3,744,972		c17 N73-27446
US-PATENT-3,745,082	• • • • • • • • • • • • • • • • • • • •	c18 N73-30532
US-PATENT-3,745,089		c06 N73-27086
US-PATENT-3,745,090		c04 N73-27052
US-PATENT-3,745,149		c06 N73-27980
US-PATENT-3,745,255		c07 N73-28012
US-PATENT-3,745,300		c15 N73-28515
US-PATENT-3,745,352		c08 N73-30135
US-PATENT-3,745,357		c14 N73-28488
US-PATENT-3,745,410		c09 N73-30181
US-PATENT-3,745,475	• • • • • • • • • • • • • • • •	c14 N73-30386
US-PATENT-3,745,739		c15 N73-27405
US-PATENT-3,745,816		c33 N73-27796
US-PATENT-3,746,998	• • • • • • • • • • • • • • • • • • • •	c07 N73-30113
US-PATENT-3,747,111	• • • • • • • • • • • • • • • • • • • •	c07 N73-28013
US-PATENT-3,748,722	• • • • • • • • • • • • • • • • • • • •	c15 N73-33383
US-PATENT-3,748,853		c23 N73-30665
US-PATENT-3,748,905	• • • • • • • • • • • • • • • • • • • •	c14 N73-30395
US-PATENT-3,749,123	• • • • • • • • • • • • • • • • • • • •	c15 N73-30459
US-PATENT-3,749,156 US-PATENT-3,749,205	• • • • • • • • • • • • • • • • • • • •	c31 N73-30829 c15 N73-30460
US-PATENT-3,749,332		c31 N73-32750
US-PATENT-3,749,362		c15 N73-30457
US-PATENT-3,749,831		c07 N73-30115
US-PATENT-3,749,911		c14 N73-30389
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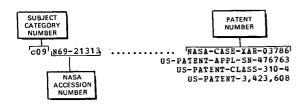
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Section 2

Typical Accession Number Index Listing



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	US-PATENT-APPL-SN-411944		US-PATENT-CLASS-244 US-PATENT-3,304,0
	US-PATENT-CLASS-285-331 US-PATENT-3,301,578	c21 N70-41856	
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	US-PATENT-CLASS-343-18		US-PATENT-2,960,0
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	US-PATENT-CLASS-207-205	US-PATENT-CLASS-307-252
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	US-PATENT-CLASS-297-68	US-PATENT-CLASS-30/-243
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	US-PATENT-CLASS-2-2.1	US-PATENT-CLASS-333-80
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CUS N/1-12346	NASA-CASE-XBS-04212-1	CO9 N/1-12519
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CUS N/1-12351	•••••• NASA-CASE-LAR-10056	US-PATENT-APPL-SN-691735
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	US-PATENT-APPL-SN-741824 US-PATENT-CLASS-250-199	US-PATENT-CLASS-313-110
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	US-PATENT-3, 270, 503	US-PATENT-3,535,352 NASA-CASE-MFS-14685
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	US-PATENT-APPL-SN-484489		US-PATENT-CLASS-137-615
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C15 N/1-13922	US-PATENT-APPL-SN-353645		US-PATENT-CLASS-156-3
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c02 N71-1928	NASA-CASE-GSC-10087-1	CIO N/1-194/2 NASA-CASE-XAC-ORAS
	US-PATENT-APPL-SN-701679	US-PATENT-APPL-SN-52083 US-PATENT-CLASS-328-
	US-PATENT-CLASS-343-112 US-PATENT-3,534,367	US-PATENT-3,464,01
CO8 N71-19288	NASA-CASE-NPO-10068	US-PATENT-APPL-SN-516158
	US-PATENT-APPL-SN-668969 US-PATENT-CLASS-340-172.5	US-PATENT-CLASS-350-27
~10 N71 10#17	HC_Dimbus 2 504 are	US-PATENT-3,427,093 NASA-CASE-XFR-0563
CIO N/1-1941/	NASA-CASE-XMS-10984-1 US-PATENT-APPL-SN-605095	US-PATENT-APPISN-484859
	US-PATENT-CLASS-340-213.1	[IS-PATENT-C1 ASC-225-404
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0.0 %,, 13410	US-PATENT-APPL-SH-684209	US-PATENT-APPL-SN-60509d
	US-PATENT-CLASS-331-113	US-PATENT-CLASS-251-31
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	US-PATENT-CLASS-226-190	US-PATENT-CLASS-219-121 US-PATENT-3,474,220
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	US-PATENT-APPL-SN-749148	US-PATENT-APPL-SN-634040 US-PATENT-CLASS-33-147
	US-PATENT-CLASS-324-72 US-PATENT-3,532,975	TC-DAGING 2 HOT 44.
c14 N71-19431	•••••• NASA-CASE-XGS-02439	00/ N/1-19493 NASA-CASE-XKS-08485
	US-PATENT-APPL-SN-487341 US-PATENT-CLASS-324-120	US-PATENT-APPL-SN-649078 US-PATENT-CLASS-343-873
	リマーアネタマンケーン バンコーステン	US-PATENT-3,509,578 C11 N71-19494 NASA-CASE-MFS-10555
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	US-PATENT-APPL-SN-783378	US-PATENT-APPL-SN-670814 US-PATENT-CLASS-136-89
	US-PATENT-CLASS-174-35 US-PATENT-3,517,109	
c08 N71-19437	**************************************	C10 N71-19547
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c05 N71-19440	US-PATENT-3,425,487 ••••••••••••••••••••••••••••••••••••	CIS N/1-195/0 NASA-CASE-XLE-05130-2
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	US-PATENT-CLASS-178-6 US-PATENT-3,458,651	US-PATENT-3,470,342
CUY N/1-19466	NASA-CASE-IGS-02812	US-PATENT-APPL-SN-455477
	US-PATENT-APPL-SN-502750 US-PATENT-CLASS-330-30	US-PATENT-CLASS-340-347
C10 N71-19#67	HC-DAMENM. 2 HCC CCA	US-PATENT-3,430,227
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	US-PATENT-CLASS-325-63	US-PATENT-CLASS-325-60
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	US-PATENT-APPL-SN-820963	US-PATENT-CLASS-307-267 US-PATENT-3,473,050
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	US-PATENT-APPL-SN-681687 US-PATENT-CLASS-244-1	US-PATENT-3,433,662
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US-PATENT-APPL-SN-343426 US-PATENT-CLASS-179-15	US-PATENT-CLASS-239-265.11
HC. Dimby 2 264 244	US-PATENT-3,347,465 NASA-CASE-XAC-02981
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US-PATENT-CLASS-141-5	US-PATENT-CLASS-29-495
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CO9 N71-20842 NASA-CASE-XNP-05381	NASA-CASE-YGS-02620
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CO9 N/1-20851 NASA-CASE-XNP-04732	NASA-CASE-YND-06057
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CI/ N/1-20941 NASA-CASE-XMS-00370	c15 N71-21311
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83 N/1-21307			US-PATENT-3,369,222
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. 15 K, 12 1550			US-PATENT-3,340,713
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C15 W. L. 21300	US-PATENT-APPL-SN-464880		US-PATENT-3,373,404
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	US-PATENT-APPL-SN-538908 US-PATENT-CLASS-165-96	US-PATENT-CLASS-250-227
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	US-PATENT-CLASS-340-146.2	US-PATENT-3,470,489
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CUY N/1-2331	6	US-PATENT-CLASS-220-9
	US-PATENT-CLASS-323-22	US-PATENT-3,392,864
	US-PATENT-3,417,321	c10 N71-23662
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	US-PATENT-CLASS-136-166	c10 N71-23669 NASA-CASE-XAC-10607
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	US-PATENT-APPL-SN-694345 US-PATENT-CLASS-331-111		US-PATENT-CLASS-346-107
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	US-PATENT-CLASS-324-72	1	ΠS-PλΦRΝΦ-3 367 271
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	US-PATENT-CLASS-73-189	45	UZ-DYARMA-3 301 UOV
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	US-PATENT-CLASS-219-130	-05 274 0044	ПS-DATRNT-3 // 00 720
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	US-PATENT-APPL-SN-653277		US-PATENT-CLASS-165-12
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	US-PATENT-APPL-SN-621742		US-PATENT-CLASS-73-49. 2
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2 N71-23971	US-PATENT-3,460,759	C31 N71-24315	NASA-CASE-XLA-04901
I 23,,,	US-PATENT-APPL-SN-568355		US-PATENT-APPL-SN-586325 US-PATENT-CLASS-244-1
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J N/1-235/0	US-PATENT-APPL-SN-542713		US-PATENT-APPL-SN-640787
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	US-PATENT-CLASS-35-17 US-PATENT-3,508,347	COS MIL ZATIO	US-PATENT-APPL-SN-828983
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	US-PATENT-CLASS-179-15	COS N/1-24/36	OS-PATENT-APPL-SM-/9/000
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C10 N/1-24020		c33 N71-24876	
	US-PATENT-CLASS-356-28		US-PATENT-CLASS-165-2
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	US-PATENT-APPL-SN-536210	CUO N/1-24630	NASA-CASE-XKS-06167 US-PATENT-APPL-SN-649076
	US-PATENT-CLASS-204-38		US-PATENT-CLASS-235-155
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	US-PATENT-CLASS-73-95	c15 N71-24895	US-PATENT-3,541,426
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	US-PATENT-APPL-SN-795182 US-PATENT-CLASS-325-113	c15 N71-24903	NASA-CASE-MFS-20395
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	US-PATENT-CLASS-333-83		US-PATENT-CLASS-285-317 US-PATENT-CLASS-285-406
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c15 N71-24910 NASA-CASE-BRC-10045	US-PATENT-APPL-SN-59458 US-PATENT-CLASS-148-1:
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US-PATENT-CLASS-118-308 US-PATENT-3,472,202 US-PATENT-3,472,202 NASA-CASE-NPO-10051 US-PATENT-APPL-SN-711898	US-PATENT-3.568.70
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US-PATENT-CLASS-219-378	US-PATENT-CLASS-318-2
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US-PATENT-CLASS-244-113	US-PATENT-CLASS-136
US-PATENT-CLASS-244-138	US-PATENT-3.554.8
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US-PATENT-CLASS-73-141	US-PATENT-CLASS-321
US-PATENT-3,537,305	US-PATENT-3,559,0
C24 N71-25555	c09 N71-26092 NASA-CASE-XNP-074 US-PATENT-APPL-SN-6050
US-PATENT-APPL-SN-6400/3	US-PATENT-CLASS-318-1
US-PATENT-CLASS-204-168	US-PATENT-3,501,6
US-PATENT-3,540,989	C18 N71-26100 NASA-CASE-XLA-041
C10 N71-25865 NASA-CASE-KSC-10002 US-PATENT-APPL-SN-782956	US-PATENT-APPL-SN-657
US-PATENT-APPL-SN-782938 US-PATENT-CLASS-178-69.5	US-PATENT-CLASS-117-
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US-PATENT-3.567.677	US-PATENT-3,474,
C10 N71-25882 NASA-CASE-GSC-10022-1	C10 N71-26103 NASA-CASE-XNP-04 US-PATENT-APPL-SN-510
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US-PATENT-CLASS-331-113	US-PATENT-3.474.
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	US-PATENT-CLASS-339-17		
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	US-PATENT-APPL-SN-576792	c07 N71-26291 NASA-CASE-HQN-10	541-1
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c14 N71-26137		US-PATENT-CLASS-3 US-PATENT-3,55	C C 2 11
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C15 N71-26148	NASA-CASE-XMF-05114-2	C15 N71-26312 NASA-CASE-XNP-01: US-PATENT-APPL-SN-7 US-PATENT-CLASS-287-18	263-2
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-46 1174 06451	US-PATENT-3,472,709	US-PATENT-3,47	
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a16 ×71-26162	US-PATENT-3,576,127NASA-CASE-MSC-15474-1	US-PATENT-CLASS-34(
C13 N71-20102	US-PATENT-APPL-SN-878731	US-PATENT-3,579),641 10185
	US-PATENT-CLASS-24-263	US-PATENT-APPL-SN-72	
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	US-PATENT-CLASS-60-202	US-PATENT-APPL-SN-60	15091
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	US-PATENT-CLASS-179-1	US-PATENT-APPL-SN-67	15238
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	US-PATENT-CLASS-313-237	US-PATENT-CLASS-73 US-PATENT-3,473	
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-45 W74-06100	US-PATENT-3,557,534	c10 N71-26415	
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	US-PATENT-APPL-SN-816988	US-PATENT-CLASS-340	
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023 N/1-20200	US-PATENT-APPL-SN-787393	US-PATENT-APPL-SN-48 US-PATENT-CLASS-340	
•	US-PATENT-CLASS-356-76	US-PATENT-3,461	
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C14 M71-20475 *****	US-PATENT-APPL-SN-304013	-22 N71-26722	US-PATENT-3,562,857 NASA-CASE-GSC-10216-1
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	US-PATENT-CLASS-308-1 US-PATENT-3,554,466	c18 N71-26//2	NASA-CASE-XMF-07770-2 US-PATENT-APPL-SN-711903
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	US-PATENT-CLASS-244-1		US-PATENT-CLASS-315-111
	US-PATENT-CLASS-244-57 US-PATENT-3,563,307	COS N71=26787	US-PATENT-3,576,107 NASA-CASE-XKS-05932
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	US-PATENT-CLASS-307-53 US-PATENT-3,480,789		US-PATENT-CLASS-240-51.11
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C28 N/I-20042	US-PATENT-APPL-SN-/58390	c14 N71-27005	US-PATENT-3,571,650 NASA-CASE-MFS-2026 US-PATENT-APPL-SN-845996
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CID N/1-200/3	US-PATENT-APPL-SN-694246		US-PATENT-APPL-SN-75651 US-PATENT-CLASS-307-23
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c09 N71-26678	NASA-CASE-ERC-10013 US-PATENT-APPL-SN-802972	C11 N/1-2/036	NASA-CASE-XNP-09770- US-PATENT-APPL-SN-86396
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c22 N71-26691	US-PATENT-3,562,881 NASA-CASE-LAR-10098	c09 N71-27053	NASA-CASE-ERC-1011
C32 N/1-20001 ***	US-PATENT-APPL-SN-6//4/5		US-PATENT-APPL-SN-86581 US-PATENT-CLASS-323-4
	US-PATENT-CLASS-73-71.4 US-PATENT-3,564,906		US-PATENT-CLASS-323-6
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	US-PATENT-CLASS-204-298		US-PATENT-CLASS-325-1 US-PATENT-CLASS-325-2
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	US-PATENT-CLASS-325-151.11		US-PATENT-3,563,727
	US-PATENT-CLASS-340-347DA	c14 N71-2718	5
c10 N71=27058	US-PATENT-3,573,797 NASA-CASE-MSC-13276-1		US-PATENT-CLASS-73-71.6
C14 R71-27030	US-PATENT-APPL-SN-880272		US-PATENT-3,572,089
	US-PATENT-CLASS-219-505 US-PATENT-3.575.585	c14 N71-2718	6
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0.0 2 2	US-PATENT-APPL-SN-672384	-	US-PATENT-CLASS-174-110.3
	US-PATENT-CLASS-182-10 US-PATENT-CLASS-188-65.5		US-PATENT-CLASS-324-65 US-PATENT-CLASS-340-227
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	US-PATENT-APPL-SN-815760 US-PATENT-CLASS-220-46		US-PATENT-CLASS-174-28
	US-DATENT-3.568.874	-	US-PATENT-CLASS-333-95
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	US-PATENT-CLASS-417-50		US-PATENT-3,569,875
	US-PATENT-3,567,339	c08 N71-2721	0 NASA-CASE-GSC-10097-1
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	US-PATENT-CLASS-244-90	'	US-PATENT-CLASS-179-100.2
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00 454 07604	US-PATENT-3,568,748	200 N71-2723	US-PATENT-3,572,935 2 NASA-CASE-NPO-10607
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C28 N/1+2/095	US-PATENT-APPL-SN-84C176		US-PATENT-CLASS-317-238
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	US-PATENT-CLASS-331-94.5		US-PATENT-APPL-SN-720041
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	US-PATENT-CLASS-318-653 US-PATENT-3,568,028	•	US-PATENT-CLASS-260-615 US-PATENT-3,574,770
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•	US-PATENT-APPL-SN-723827		US-PATENT-APPL-SN-555189 US-PATENT-CLASS-179-100.2
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515 E. 1 E. 147	US-PATENT-APPL-SN-783374		US-PATENT-CLASS-332-30
f	US-PATENT-CLASS-91-390 US-PATENT-CLASS-91-461	c10 N71-2727	US-PATENT-3,569,866 NASA-CASE-XLA-08799
	US-PATENT-CLASS-91-461 US-PATENT-3,563,135	C.O H. 1-2/2/	US-PATENT-APPL-SN-668242
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	US-PATENT-APPL-SN-810575 US-PATENT-CLASS-188-1		US-PATENT-CLASS-340-164 US-PATENT-CLASS-340-166
	US-PATENT-CLASS-310-51	,	US-PATENT-CLASS-340-213
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C18 N/1-2/1/0		c14 N71-2732	3 NASA-CASE-NPO-10810
	US-PATENT-CLASS-252-301.2	,	US-PATENT-APPL-SN-805405
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	US-PATENT-CLASS-73-355 US-PATENT-CLASS-250-83.3	İ	US-PATENT-CLASS-332-29
	US-PATENT-3.566.122		US-PATENT-CLASS-332-30 US-PATENT-3,579,147
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	US-PATENT-APPL-SN-785620 US-PATENT-CLASS-244-1		US-PATENT-APPL-SN-743525
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	US-PATENT-3.571.700		US-PATENT-CLASS-330-200
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	US-PATENT-3.566.459	c15 N71-28467	
c10 N71-27338	•••••• NASA-CASE-KSC-10020		US-PATENT-APPL-SN-813488 US-PATENT-CLASS-64-18
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	US-PATENT-CLASS-340-248 US-PATENT-3,571,707		US-PATENT-CLASS-307-273
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	US-PATENT-APPL-SN-750786		US-PATENT-CLASS-328-207 US-PATENT-3,584,311
	US-PATENT-CLASS-178-7.1 US-PATENT-CLASS-178-7.3	c16 N71-28554	••••• NASA-CASE-XGS-10518
	US-PATENT-3 566 027		US-PATENT-APPL-SN-764470
c06 N71-27363	••••• NASA-CASE-HQN-10364		US-PATENT-CLASS-335-216 US-PATENT-3,541,486
	US-PATENT-APPL-SN-713616	c03 N71-28579	NASA-CASE-LEW-11359
	US-PATENT-CLASS-260-2 US-PATENT-3,563,918		US-PATENT-APPL-SN-787911
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	US-PATENT-CLASS-322-32		US-PATENT-CLASS-117-224 US-PATENT-3,573,977
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	US-PATENT-CLASS-35-19		US-PATENT-CLASS-178-54CF
c10 N71-27366	US-PATENT-3,570,143		US-PATENT-CLASS-178-54PE
	US-PATENT-APPL-SN-796370	c05 N71-28619	US-PATENT-3,582,960 ••••••••••••••••••••••••••••••••••••
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	US-PATENT-CLASS-23-259		US-PATENT-CLASS-119-96
c10 x71-27207	HS_DAMBUM_3 EKE EQU		US-PATENT-CLASS-238-1 US-PATENT-CLASS-248-361
C10 N/1-2/39/	**************************************		US-PATENT-CLASS-272-70
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	US-PATENT-APPL-SN-806226	c11 N71-28629	US-PATENT-3,576,786 NASA-CASE-KSC-10198
	US-PATENT-CLASS-307-126		US-PATENT-APPL-SN-845971
	US-PATENT-CLASS-323-20 US-PATENT-3,566,143		US-PATENT-CLASS-73-15
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	US-PATENT-APPL-SN-809822		US-PATENT-CLASS-204-30
	US-PATENT-CLASS-244-4 US-PATENT-3,570,785	c18 N71-20720	∏S±DATENT±3 576 733
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	US-PATENT-CLASS-91-361	c10 N71-28739	US-PATENT-3,579,390 ••••••••••••••••••••••••••••••••••••
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CUY N/1-28421	•••••• NASA-CASE-NPO-10412		US-PATENT-CLASS-356-152
	US-PATENT-APPL-SN-768470 US-PATENT-CLASS-310-4		US-PATENT-CLASS-356-153
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	US-PATENT-CLASS-307-265		US-PATENT-CLASS-250-199
	US-PATENT-CLASS-307-273 US-PATENT-CLASS-328-92	G07 N71-28965	US-PATENT-3,215,842
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	US-PATENT-CLASS-250-49.5 US-PATENT-3,567,927	c07 N71-28980	
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	US-PATENT-CLASS-318-317 US-PATENT-CLASS-318-331		US-PATENT-CLASS-343-072 US-PATENT-3,579,242
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	US-PATENT-APPL-SN-538907 US-PATENT-CLASS-244-1		US-PATENT-CLASS-250-219
	US-PATENT-3,409,247		US-PATENT-CLASS-356-209
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	US-PATENT-CLASS-60-39.36	C 14 M/ 1-20334	US-PATENT-APPL-SN-815366
	US-PATENT-CLASS-60-39.65		US-PATENT-CLASS-250-218

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	US-PATENT-APPL-SN-752946	c15 N71-29132	•••••• NASA-CASE-NPO-10431
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	US-PATENT-CLASS-235-150.27		US-PATENT-CLASS-81-3R
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	US-PATENT-CLASS-307-207	1	US-PATENT-APPL-SN-845991
	US-PATENT-CLASS-307-222	İ	US-PATENT-CLASS-73-1R
	US-PATENT-CLASS-328-44		US-PATENT-CLASS-73-304C
	US-PATENT-CLASS-328-167 US-PATENT-3,579,122	a10 N71 20125	HC_DIMBUM 2 FRO REE
c09 N71-29035	NASA-CASE-LEW-10155-1	C10 N/1-29135	03-PATENT-3,578,755
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	US-PATENT-CLASS-337-114		US-PATENT-CLASS-340-174 US-PATENT-3,348,218
	US-PATENT-CLASS-337-121	c15 N71-29136	NASA-CASE-XLA-00013
C18 N71-29040	US-PATENT-3,579,168	į	US-PATENT-APPL-SN-579121
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	US-PATENT-CLASS-148-6	c17 N71-20127	US-PATENT-2,903,307 NASA-CASE-XNP-04339
	11S-DATPNT-2 572 004	C17 N/1-29137	NASA-CASE-XNP-04339
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	US-PATENT-APPL-SN-762935		NO DAMENO 3 440 DOC
	US-PATENT-CLASS-356-76	c08 N71-29138	05-PATENT-3,413,393
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	US-PATENT-CLASS-136-86		US-PATENT-CLASS-307-265
22 424 2044	US-DATENT-3 393 405		US-PATENT-CLASS-324-106 US-PATENT-CLASS-328-58
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	US-PATENT-CLASS-335-216		US-PATENT-CLASS-307-273
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	US-PATENT-APPL-SN-229286	•	US-PATENT-CLASS-253-39.1 US-PATENT-2,956,772
	US-PATENT-CLASS-165-47	c28 N71-29153	NASA-CASE-MFS-20831
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c07 N71-29065	····· NASA-CASE-ERC-10011		US-PATENT-APPL-SN-348600 US-PATENT-CLASS-253-77
	US-PATENT-APPL-SN-802818		#S-DATENT-2 007 27#
	US-PATENT-CLASS-333-81	c27 N71-29155	NASA-CASE-MSC-12390
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c23 N71-29123	•••••• NASA-CASE-XNP-08907	c26 N71-2915A	US-PATENT-3,286,882 NASA-CASE-XNP-01961
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	US-PATENT-CLASS-350-310	c25 N71-29181	•••••• NASA-CASE-ARC-10109
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	US-PATENT-CLASS-331-94.5		US-PATENT-CLASS-313-161 US-PATENT-CLASS-313-231
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011 111 30020	US-PATENT-APPL-SN-435433		US-PATENT-CLASS-333-7
	US-PATENT-CLASS-73-432		US-PATENT-CLASS-333-21A
-02 474 20027	US-PATENT-3,396,584 NASA-CASE-GSC-10700	c11 N71-33612	US-PATENT-3,588,751 NASA-CASE-XLA-09480
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	US-PATENT-CLASS-179-1R		US-PATENT-CLASS-328-165
	US-PATENT-CLASS-179-1VC		US-PATENT-CLASS-329-145 US-PATENT-3,588,705
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	US-PATENT-CLASS-307-261	c09 N71-34208	US-PATENT-APPL-SN-115944 NASA-CASE-NPO-11075
	US-PATENT-CLASS-321-47 US-PATENT-3,588,671	CU9 N/1-34200	US-PATENT-APPL-SN-126814
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c10 N71-33129	NASA-CASE-GSC-10667-1		US-PATENT-APPL-SN-127480
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	US-PATENT-CLASS-330-10	C 10 N 1 - 34302	US-PATENT-APPL-SN-127481
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	US-PATENT-CLASS-340-347DD US-PATENT-3,588,883		US-PATENT-CLASS-416-127 US-PATENT-CLASS-416-130
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	US-PATENT-CLASS-95-11	COS 1172 11004	US-PATENT-APPL-SN-868530
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	US-PATENT-CLASS-352-84		US-PATENT-CLASS-62-467 US-PATENT-3,599,443
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	US-PATENT-CLASS-90-11		US-PATENT-CLASS-5-69
	US-PATENT-CLASS-408-137 US-PATENT-3,585,882	1	US-PATENT-CLASS-285-410 US-PATENT-CLASS-297-68
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	US-PATENT-CLASS-313-109.5	c05 N72-11088	
	US-PATENT-CLASS-313-231 US-PATENT-CLASS-315-108	CO7 N72-11148	US-PATENT-APPL-SN-1003/1
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	US-PATENT-APPL-SN-848810		US-PATENT-CLASS-212-134
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	US-PATENT-CLASS-343-853 US-PATENT-3,599,216	C15 N72-11389	US-PATENT-3,600,046 NASA-CASE-XLA-05056
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	US-PATENT-APPL-SN-749121		US-PATENT-CLASS-210-445
	US-PATENT-CLASS-325-4	40	ПS-DATRNT-3 590 760
	US-PATENT-CLASS-325-39 US-PATENT-CLASS-325-58	c15 N72-11390	NASA-CASE-MFS-18100
	US-PATENT-CLASS-323-58 US-PATENT-CLASS-343-5DP		US-PATENT-APPL-SN-784055
	US-PATENT-CLASS-343-7.5		US-PATENT-CLASS-15-143 US-PATENT-CLASS-15-210
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CO7 N72-11130	US-PATENT-APPL-SN-880248		US-PATENT-APPL-SN-845807
	US-PATENT-CLASS-331-7		US-PATENT-CLASS-248-18 US-PATENT-CLASS-248-20
	US-PATENT-CLASS-331-10		######################################
	US-PATENT-CLASS-331-34	c15 N72-11392	
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c08 N72-11171	••••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-156-66 US-PATENT-CLASS-156-320
	US-PATENT-APPL-SN-813494		US-PATENT-CLASS-156-320
	US-PATENT-CLASS-179-15.55R		US-PATENT-CLASS-219-243
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	US-PATENT-CLASS-33-204C		US-PATENT-APPL-SN-855004
	US-PATENT-CLASS-235-61NV		US-PATENT-CLASS-250-49.5B
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	US-PATENT-APPL-SN-822534		US-PATENT-CLASS-250-51 US-PATENT-CLASS-250-52
	US-PATENT-CLASS-179-100-2CA		US-PATENT-3.593.024
	US-PATENT-CLASS-179-100-2MD	c28 N72-11708	
	US-PATENT-CLASS-274-4R US-PATENT-3,592,478		US-PATENT-APPL-SN-18982
c09 N72-11225	••••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-60-271 US-PATENT-CLASS-139-425R
	US-PATENT-APPL-SN-817481		US-PATENT-CLASS-139-425R
	US-PATENT-CLASS-324-102	1	US-PATENT-CLASS-239-265.43
	US-PATENT-CLASS-324-119 US-PATENT-CLASS-324-123R	-20 NZ2 11700	US-PATENT-3,596,465
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	US-PATENT-APPL-SN-33159		US-PATENT-CLASS-60-202
	US-PATENT-CLASS-330-107 US-PATENT-CLASS-330-109	C33 N72-11830	US-PATENT-3,591,967
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	US-PATENT-CLASS-73-149		US-PATENT-CLASS-343-6.8R
	US-PATENT-CLASS-73-290B		IIS-PATENT-3.594.790
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	US-PATENT-CLASS-33-125		US-PATENT-CLASS-178-6
	US-PATENT-CLASS-73-95		US-PATENT-CLASS-178-7.3
	US-PATENT-CLASS-250-235 US-PATENT-CLASS-356-32		US-PATENT-CLASS-325-10
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	US-PATENT-CLASS-250-43.5FC		US-PATENT-CLASS-136-206 US-PATENT-CLASS-136-227
-44 270 44370	US-PATENT-3,599,489		US-PATENT-CLASS-343-DIG. 3
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c15 N72-11385	••••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-343-840
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	US-PATENT-CLASS-24-211N		US-PATENT-APPL-SN-784544
	US-PATENT-CLASS-85-5B		US-PATENT-CLASS-72-307
c15 N72-11386	US-PATENT-3,596,554 NASA-CASE-MFS-20249		US-PATENT-CLASS-140-105
	US-PATENT-APPL-SN-794530	c15 N72-12409	US-PATENT-3,584,660 NASA-CASE-NPO-10637
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	US-PATENT-CLASS-350-285		US-PATENT-CLASS-337-75 US-PATENT-CLASS-337-354
	US-PATENT-CLASS-350-287		US-PATENT-CLASS-337-359
c15 N72-11387	US-PATENT-3,596,863	C16 N72-12880	US-PATENT-3,591,960
	US-PATENT-APPL-SN-769665	010 812-12440	US-PATENT-APPL-SN-863276
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	US-PATENT-CLASS-356-152		US-PATENT-CLASS-325-492
c05 N72-15098	US-PATENT-3,603,686 NASA-CASE-MSC-13917-1		US-PATENT-CLASS-340-177 US-PATENT-3,603,946
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c00 N72-15206	US-PATENT-APPL-SN-77785		US-PATENT-CLASS-321-10 US-PATENT-CLASS-336-178
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c15 N72-15465	US-PATENT-APPL-SN-103090NASA-CASE-NPO-10626		US-PATENT-APPL-SN-865274 US-PATENT-CLASS-330-18
	US-PATENT-APPL-SN-51246		US-PATENT-CLASS-330-40
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	US-PATENT-CLASS-136-6		US-PATENT-3,609,230
	US-PATENT-CLASS-136-133	C09 N72-17157	
	US-PATENT-CLASS-136-135 US-PATENT-3,607,401		US-PATENT-APPL-SN-21906 US-PATENT-CLASS-307-81
c05 N72-16015	NASA-CASE-KSC-10278		US-PATENT-CLASS-307-223
	US-PATENT-APPL-SN-856327		US-PATENT-CLASS-307-227
	US-PATENT-CLASS-35-8 US-PATENT-CLASS-324-66		US-PATENT-CLASS-328-186 US-PATENT-3,609,387
	US-PATENT-CLASS-340-279	c10 N72-17171	NASA-CASE-XAC-05462-2
-10' N70-16170	US-PATENT-3,609,740		US-PATENT-APPL-SN-28235 US-PATENT-CLASS-307-295
CIU N/2-161/2			US-PATENT-CLASS-307-295
	US-PATENT-CLASS-307-230		US-PATENT-CLASS-330-109
	US-PATENT-CLASS-307-262 US-PATENT-CLASS-328-155		US-PATENT-CLASS-330-176 US-PATENT-CLASS-333-70CR
	US-PATENT-3,614,475		US-PATENT-3,609,567
c14 N72-16282		c10 N72-17172	
	US-PATENT-APPL-SN-779160 US-PATENT-CLASS-73-12		US-PATENT-APPL-SN-31885 US-PATENT-CLASS-330-26
	US-PATENT-3,605,482		US-PATENT-CLASS-330-31
c14 N72-16283	NASA-CASE-GSC-10780-1		US-PATENT-CLASS-330-94 US-PATENT-CLASS-330-107
	US-PATENT-APPL-SN-860493 US-PATENT-CLASS-82-24R		US-PATENT-CLASS-330-107
	US-PATENT-3,608,409		US-PATENT-3,605,032
c15 N72-16329		c10 N72-17173	NASA-CASE-MFS-13130 US-PATENT-APPL-SN-7868
	US-PATENT-CLASS-264-DIG.44		US-PATENT-CLASS-250-83.3UV
	US-PATENT-CLASS-264-221		US-PATENT-CLASS-250-209
	US-PATENT-CLASS-264-225 US-PATENT-CLASS-264-227		US-PATENT-CLASS-340-228.2 US-PATENT-3,609,364
	US-PATENT-3,608,046	c11 N72-17183	NASA-CASE-MFS-20509
c15 N72-16330			US-PATENT-APPL-SN-889557 US-PATENT-CLASS-73-147
:	US-PATENT-CLASS-156-84		US-PATENT-3,602,920
	US-PATENT-CLASS-156-86	c14 N72-17323	
c06 N72-17093	US-PATENT-3,607,495NASA-CASE-LEW-10794-1		US-PATENT-APPL-SN-868445 US-PATENT-CLASS-350-162
COO N/2 1/033	US-PATENT-APPL-SN-33535		US-PATENT-CLASS-356-113
	US-PATENT-CLASS-23-55 US-PATENT-CLASS-23-88		US-PATENT-CLASS-356-209
	US-PATENT-CLASS-23-88		US-PATENT-CLASS-356-244 US-PATENT-3,603,690
	US-PATENT-3,607,015	c14 N72-17324	NASA-CASE-MFS-20596
c06 N72-17094	NASA-CASE-NPO-10234 US-PATENT-APPL-SN-800204		US-PATENT-APPL-SN-7867 US-PATENT-CLASS-350-3.5
	US-PATENT-CLASS-23-230R		US-PATENT-3,605,519
	US-PATENT-CLASS-23-232C	c14 N72-17325	
	US-PATENT-CLASS-23-253PC US-PATENT-CLASS-73-23.1		US-PATENT-APPL-SN-889479 US-PATENT-CLASS-324-52
	US-PATENT-3,607,076		US-PATENT-3,609,535
c06 N72-17095	NASA-CASE-NPO-10774	c14 N72-17326	
	US-PATENT-APPL-SN-848805 US-PATENT-CLASS-23-201		US-PATENT-APPL-SN-814212 US-PATENT-CLASS-356-4
	US-PATENT-CLASS-23-230		US-PATENT-3,603,683
	US-PATENT-CLASS-23-253 US-PATENT-CLASS-73-76	c14 N72-17327	
	US-PATENT-CLASS-73-76 US-PATENT-3,607,080		US-PATENT-APPL-SN-861649 US-PATENT-CLASS-73-198
c07 N72-17109		40 000 1000	US-PATENT-3,605,495
	US-PATENT-APPL-SN-50206 US-PATENT-CLASS-178-5.2R	C14 N72-17328	
	US-PATENT-CLASS-178-5.4		US-PATENT-CLASS-250-41.9
	US-PATENT-CLASS-178-6.7		US-PATENT-CLASS-250-49.5
c09 N72-17152	US-PATENT-3,603,722 NASA-CASE-ARC-10178-1		US-PATENT-CLASS-250-71.5 US-PATENT-CLASS-250-83.3
200 2.2 17.02	US-PATENT-APPL-SN-47443		US-PATENT-CLASS-250-207
	US-PATENT-CLASS-250-211J	C10 N70-17300	US-PATENT-3,609,353
	US-PATENT-3,603,798	017 812-11329	THE PROPERTY OF THE PROPERTY O

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	US-PATENT-APPL-SN-771216		US-PATENT-3,603,974
	US-PATENT-CLASS-73-194A US-PATENT-3,611,801	c15 N72-18477	US-PATENT-3,603,974
c15 N72-17450	NASA-CASE-MSC-12279		US-PATENT-APPL-SN-889438 US-PATENT-CLASS-52-108
	US-PATENT-APPL-SN-24154 US-PATENT-CLASS-188-1C		US-PATENT-CLASS-242-54
	US-PATENT-CLASS-188-129	c28 N72-18766	US-PATENT-3,608,844 ••••••••••••••••••••••••••••••••••
45 470 47454	US-PATENT-3,603,433		US-PATENT-APPL-SN-17101
C15 N72-17451	NASA-CASE-WLP-10002 US-PATENT-APPL-SN-47062	· ·	US-PATENT-CLASS-23-281
	US-PATENT-CLASS-180-125		US-PATENT-CLASS-23-288 US-PATENT-CLASS-60-260
	US-PATENT-CLASS-180-127		US-PATENT-3 603 093
	US-PATENT-CLASS-308-DIG.1 US-PATENT-CLASS-308-5	c31 N72-18859	NASA-CASE-MSC-13281
	US-PATENT-CLASS-308-9		US-PATENT-APPL-SN-7669 US-PATENT-CLASS-244-15.5
c15 N72-17052	US-PATENT-3,610,365 NASA-CASE-XLA-10322	-03 273 06034	#S-DATENT-3 606 313
CIJ 11/2-1/452	US-PATENT-APPL-SN-887699	CU3 N/2-20031	NASA-CASE-GSC-1C669-1 US-PATENT-APPL-SN-90595
	US-PATENT-CLASS-73-88.5R	-	US-PATENT-CLASS-136-89
c15 N72-17453	US-PATENT-3,608,365 NASA-CASE-NPO-11177		US-PATENT-CLASS-244-ISS
013 112 17433	US-PATENT-APPL-SN-20960		US-PATENT-CLASS-340-210 US-PATENT-3,636,539
	US-PATENT-CLASS-62-51	c03 N72-20032	
c15 N72-17454	US-PATENT-3,605,424 NASA-CASE-NPO-11059		US-PATENT-APPL-SN-880250
	US-PATENT-APPL-SN-864020		US-PATENT-CLASS-136-79 US-PATENT-CLASS-136-81
	US-PATENT-CLASS-248-14		US-PATENT-CLASS-136-166
c15 N72-17455	US-PATENT-3,606,979NASA-CASE-NPO-11140	c03 N72-20033	US-PATENT-3,625,766 NASA-CASE-NPO-10401
	US-PATENT-APPL-SN-15019		US-PATENT-APPL-SN-15025
	US-PATENT-CLASS-89-1.811 US-PATENT-CLASS-174-84		US-PATENT-CLASS-210-212
	US-PATENT-CLASS-174-64		US-PATENT-CLASS-356-222 US-PATENT-3,630,627
	US-PATENT-CLASS-339-46	c03 N72-20034	••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-339-176M US-PATENT-CLASS-339-278M		US-PATENT-APPL-SN-57399
	US-PATENT-3,611,274		US-PATENT-CLASS-136-83R US-PATENT-CLASS-136-100R
c18 N72-17532	NASA-CASE-MFS-13532		US-PATENT-CLASS-136-175
	US-PATENT-APPL-SN-720546 US-PATENT-CLASS-106-292	C05 N72-20096	US-PATENT-3,635,765
	US-PATENT-CLASS-106-299	003 11.12 20030	US-PATENT-APPL-SN-701244
c23 N72-17707	US-PATENT-3,607,338NASA-CASE-ERC-10089		US-PATENT-CLASS-2-2.1
023 872-17747	US-PATENT-APPL-SN-791267		US-PATENT-CLASS-128-142.5 US-PATENT-CLASS-128-402
	US-PATENT-CLASS-340-174AG		US-DATENT-3.635 216
	US-PATENT-CLASS-340-174CT US-PATENT-CLASS-340-174GA	c05 N72-20097	NASA-CASE-MFS-20332
	US-PATENT-CLASS-340-174SC		US-PATENT-APPL-SN-869260 US-PATENT-CLASS-137-81
c26 N72-17820	US-PATENT-3,611,330NASA-CASE-XER-08476-1		US-PATENT-CLASS-137-469
020 1112 11020	US-PATENT-APPL-SN-672388	c05 N72-20098	US-PATENT-3,636,966 NASA-CASE-MSC-12398
	US-PATENT-CLASS-29-578		US-PATENT-APPL-SN-785615
	US-PATENT-CLASS-29-589 US-PATENT-CLASS-148-187		US-PATENT-CLASS-2-2.1
00	US-PATENT-3,602,984	c05 N72-20105	US-PATENT-3,624,839
C28 N/2-17843	NASA-CASE-NPO-10046 US-PATENT-APPL-SN-860635		US-PATENT-APPL-SN-200040
	US-PATENT-CLASS-60-39.74	CUB N/2-20121	NASA-CASE-NPO-10765 US-PATENT-APPL-SN-770425
	US-PATENT-CLASS-60-258		US-PATENT-CLASS-260-544F
c30 N72-17873	US-PATENT-3,603,092	CO7 N72-20100	US-PATENT-3,637,842
	US-PATENT-APPL-SN-819898	CO7 1172-20140	NASA-CASE-NPO-10844 US-PATENT-APPL-SN-839934
	US-PATENT-CLASS-244-3.21		US-PATENT-CLASS-178-69.5R
c33 N72-17947	US-PATENT-3,603,532 ••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-179-15BS US-PATENT-CLASS-325-4
	US-PATENT-APPL-SN-791268		US-PATENT-CLASS-325-38
	US-PATENT-CLASS-102-105 US-PATENT-CLASS-161-67		US-PATENT-CLASS-325-58
	US-PATENT-CLASS-244-117		US-PATENT-CLASS-325-321 US-PATENT-3,626,298
a22 N72-17600	US-PATENT-3,603,260	c07 N72-20141	
C33 M72-17546	NASA-CASE-NPO-10828 US-PATENT-APPL-SN-873260		US-PATENT-APPL-SN-50207 US-PATENT-CLASS-325-445
	US-PATENT-CLASS-165-105		US-PATENT-CLASS-329-161
c08 N72-18184	US-PATENT-3,603,382 ••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-329-162
	US-PATENT-APPL-SN-860751		US-PATENT-CLASS-332-51W US-PATENT-CLASS-333-73W
	US-PATENT-CLASS-178-50		US-PATENT-CLASS-343-772
	US-PATENT-CLASS-178-66 US-PATENT-CLASS-179-15		US-PATENT-CLASS-343-773
	US-PATENT-CLASS-235-154		US-PATENT-CLASS-343-786 US-PATENT-3,633,110
	US-PATENT-CLASS-340-347DD US-PATENT-3,603,976	c07 N72-20154	••••• NASA-CASE-NPO-11243
c14 N72-18411	NASA-CASE-KSC-10294	c07 N72-20157	US-PATENT-APPL-SN-177753
	US-PATENT-APPL-SN-889556		US-PATENT-APPL-SN-196931
	US-PATENT-CLASS-95-1.1 US-PATENT-CLASS-307-311	COS N72-20176	NASA-CASE-NPO-11130
	US-PATENT-CLASS-346-23		US-PATENT-APPL-SN-21508 US-PATENT-CLASS-235-92CC
	US-PATENT-CLASS-346-107A US-PATENT-CLASS-352-84		US-PATENT-CLASS-235-92DE
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	US-PATENT-CLASS-235-92LG	c14 N72-20397	NASA-CASE-MFS-21372
	US-PATENT-CLASS-235-92R US-PATENT-CLASS-235-152	C18 N72=20406	US-PATENT-APPL-SN-226477
	US-PATENT-CLASS-255-152		US-PATENT-APPL-SN-214089
	US-PATENT-CLASS-340-347DD US-PATENT-3,632,996	c15 N72-20442	
c08 N72-20177	NASA-CASE-NPO-10748		US-PATENT-CLASS-251-129
	US-PATENT-APPL-SN-63383 US-PATENT-CLASS-324-77G		US-PATENT-CLASS-251-333 US-PATENT-3,632,081
	US-PATENT-3,631,339	c15 N72-20443	
c09 N72-20195	US-PATENT-APPL-SN-860492		US-PATENT-APPL-SN-857967 US-PATENT-CLASS-188-18
	US-PATENT-CLASS-200-81.9h		US-PATENT-CLASS-188-1C
	US-PATENT-CLASS-335-205 US-PATENT-3,632,923		US-PATENT-CLASS-188-268 US-PATENT-3,637,051
c09 N72-20200	NASA-CASE-NPO-10694	c15 N72-20444	NASA-CASE-FRC-10038
	US-PATENT-APPL-SN-24224 US-PATENT-CLASS-339-275T		US-PATENT-APPL-SN-889554 US-PATENT-CLASS-29-412
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~00 ×72-20205	US-PATENT-3,631,382 NASA-CASE-XLE-93155-2		US-PATENT-CLASS-29-527.2 US-PATENT-CLASS-29-624
CO9 N12-20203	US-PATENT-APPL-SN-17162		US-PATENT-CLASS-51-216
c09 N72-20209	NASA-CASE-XAC-05462 US-PATENT-APPL-SN-624611		US-PATENT-CLASS-51-320 US-PATENT-CLASS-51-323
c10 N72-20221			US-PATENT-3,636,623
	US-PATENT-APPL-SN-41430 US-PATENT-CLASS-367-273	c15 N72-20445	US-PATENT-APPL-SN-59895
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	US-PATENT-CLASS-307-313 US-PATENT-CLASS-328-207		US-PATENT-CLASS-285-18 US-PATENT-CLASS-285-345
	US-PATENT-CLASS-320-30D		US-PATENT-3,632,140
a10 N73-20333	US-PATENT-3,633,048	c15 N72-20446	NASA-CASE-MFS-20698 US-PATENT-APPL-SN-3418
C10 N72-20222	US-PATENT-APPL-SN-889375		US-PATENT-CLASS-23-209.1
	US-PATENT-CLASS-324-115 US-PATENT-CLASS-324-132		US-PATENT-CLASS-100-299 US-PATENT-CLASS-264-22
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	US-PATENT-CLASS-307-295		US-PATENT-APPL-SN-214006
	US-PATENT-CLASS-328-16 US-PATENT-CLASS-328-20	c15 N72-20463	
	US-PATENT-CLASS-328-38	c22 N72-20597	NASA-CASE-XLE-04599
	US-PATENT-CLASS-328-166 US-PATENT-3,626,308		US-PATENT-APPL-SN-751215 US-PATENT-CLASS-176-86G
c10 N72-20224	NASA-CASE-NPO-11203	an 1170 00627	US-PATENT-3,629,068
	US-PATENT-APPL-SN-3696 US-PATENT-CLASS-324-83A	c24 N72-20637	
	US-PATENT-CLASS-324-85	c28 N72-20758	
	US-PATENT-CLASS-328-133 US-PATENT-CLASS-343-12		US-PATENT-APPL-SN-745337 US-PATENT-CLASS-60-254
40 470 22225	US-PATENT-3,631,351	c28 N72-20767	US-PATENT-3,636,711NASA-CASE-ARC-10180-1
C10 N/2-20225	NASA-CASE-MSC-13407-1 US-PATENT-APPL-SN-65840	C28 N/2-20/6/	US-PATENT-APPL-SN-136253
	US-PATENT-CLASS-315-22 US-PATENT-CLASS-315-25	c28 N72-20769	
	US-PATENT-3,638,066	c28 N72-20770	NASA-CASE-LEW-11402-1
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	US-PATENT-CLASS-123-102		US-PATENT-APPL-SN-189438
	US-PATENT-CLASS-180-105E US-PATENT-CLASS-318-308	c31 N72-20840	
	US-PATENT-CLASS-318-327	c33 N72-20915	NASA-CASE-NPO-10831
	US-PATENT-CLASS-318-376 US-PATENT-3,630,304		US-PATENT-APPL-SN-10161 US-PATENT-CLASS-122-32
c11 N72-20251	NASA-CASE-NPO-11612		US-PATENT-CLASS-165-133
c11 N72-20253	US-PATENT-APPL-SN-199907 NASA-CASE-LAR-10256-1		US-PATENT-CLASS-165-155 US-PATENT-CLASS-165-158
	US-PATENT-APPL-SN-220785		US-PATENT-CLASS-165-161
c13 N72-20355			US-PATENT-CLASS-165-174 US-PATENT-3,630,276
c14 N72-20379	NASA-CASE-GSC-10514-1	c02 N72-21004	NASA-CASE-LAR-10776-1
	US-PATENT-APPL-SN-873045 US-PATENT-CLASS-250-208	c04 N72-21052	US-PATENT-APPL-SN-221332NASA-CASE-ARC-10302-1
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	US-PATENT-CLASS-356-152 US-PATENT-3,637,312	c05 N72-21076	
c14 N72-20380	NASA-CASE-LAR-10176-1	c06 N72-21094	NASA-CASE-ERC-10108
	US-PATENT-APPL-SN-811038 US-PATENT-CLASS-95-18		US-PATENT-APPL-SN-833049 US-PATENT-CLASS-96-36.2
44	US-PATENT-3,626,828		US-PATENT-CLASS-156-3
c14 N72-20381		c06 N72-21099	US-PATENT-3,615,465
	US-PATENT-CLASS-250-83.6R		US-PATENT-APPL-SN-191301
c14 N72-20394	US-PATENT-3,626,189	c06 N72-21100	
	US-PATENT-APPL-SN-212010	c06 N72-21102	
c14 N72-20396		c06 N72-21105	
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CO7 N72-21117	US-PATENT-APPL-SN-137912	c12 N72-21310	NASA-CASE-MFS-20829
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	US-PATENT-CLASS-343-706		US-PATENT-CLASS-169-28
	US-PATENT-CLASS-343-912		US-PATENT-CLASS-169-36
	ΠS-PATENT-3 623 107	C14 N72=21405	US-PATENT-3,613,794 NASA-CASE-NPO-10832
c07 N72-21118		0.4 1.72 2.1403	US-PATENT-APPL-SN-22265
	US-PATENT-APPL-SN-856279	1	US-PATENT-CLASS-73-141A
	US-PATENT-CLASS-343-5CM		US-PATENT-3,623,360
	US-PATENT-CLASS-343-6.5R	c14 N72-21406	US-PATENT-3,623,360 NASA-CASE-NPO-11103
	US-PATENT-CLASS-343-100ST	į	US-PATENT-APPL-SN-3654
-07 ×70 04440	US-PATENT-3,624,650	•	US-PATENT-CLASS-73-84
CO7 N72-21119	····· NASA-CASE-ERC-10112		## PARTURE 2 673 350
	US-PATENT-APPL-SN-796690	c14 N72-21407	•••••• NASA-CASE-MFS-20642
	US-PATENT-CLASS-179-100.2K US-PATENT-3,614,343		US-PATENT-APPL-SN-873793
c08 N72-21197	••••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-73-147
	US-PATENT-APPL-SN-25487	C10 N72-21009	US-PATENT-3,623,361 ••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-235-155	014 872-21400	NASA-CASE-MSC-13332-1
	US-PATENT-CLASS-340-347DD	1	US-PATENT-APPL-SN-77169 US-PATENT-CLASS-250-43.5R
	US-PATENT-3,638,002		US-PATENT-CLASS-250-43.5K
c08 N72-21198	US-PATENT-3,638,002 NASA-CASE-ERC-10307		## ***
	US-PATENT-APPL-SN-39755	c14 N72-21409	US-PATENT-3,614,431 ••••••• NASA-CASE-MSC-12105-1
	US-PATENT-CLASS-307-299		US-PATENT-APPL-SN-763743
	US-PATENT-CLASS-307-303		US-PATENT-CLASS-356-17
	US-PATENT-CLASS-307-311	1	US-PATENT-CLASS-356-18
	US-PATENT-CLASS-340-173.2 US-PATENT-CLASS-340-173LS	-45 270 04245	US-PATENT-3,614,228
	US-DATTUM-2 622 020	C14 N/2-21416	NASA-CASE-LAR-10626-1
c08 N72-21199		G1/1 N72-21/121	US-PATENT-APPL-SN-202750 NASA-CASE-ARC-10448-1
	US-PATENT-APPL-SN-850587		DC_DATENT_ADDI CU 334634
	US-PATENT-CLASS-340-174CS	C14 N72-21432	US-PATENT-APPL-SN-221670NASA-CASE-LAE-10766-1
	US-PATENT-CLASS-340-174LC	311 21132	US-PATENT-APPL-SN-188836
	US-PATENT-CLASS-340-174M	c14 N72-21433	••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-340-174SR	1	HS-PATENT-ADDI-SN-100060
-00 N70 01000	US-PATENT-3,613,110	c15 N72-21462	••••••••••••••••••••••••••••••••••••••
COO N/2-21200			US-PATENT-APPL-SN-848282
	US-PATENT-APPL-SN-873259 US-PATENT-CLASS-340-347AD		US-PATENT-CLASS-74-89.15
	US-PATENT-3,613,111	-45 N72 24462	US-PATENT-3,614,898
c08 N72-21206	••••••• NASA-CASE-MSC-13932-1	C15 N/2-21463	US-PATENT-3,614,898 NASA-CASE-MFS-20413
	US-PATENT-APPL-SN-22935#		US-PATENT-APPL-SN-69209
c09 N72-21243	NASA-CASE-LEW-11005-1		US-PATENT-CLASS-74-469
	US-PATENT-APPL-SN-86548	c15 N72-21464	US-PATENT-3,620,095 NASA-CASE-ARC-10176-1
	US-PATENT-CLASS-323-DIG. 1	1	US-PATENT-APPL-SN-889583
	US-PATENT-CLASS-323-22T	1	US-PATENT-CLASS-324-57R
	US-PATENT-CLASS-323-38		US-PATENT-CLASS-324-64
CO9 N72-21244	US-PATENT-3,638,103 ••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-324-71R
003 11/2 21244	US-PATENT-APPL-SN-31703	-45 370 04465	US-PATENT-3,624,496
	US-PATENT-CLASS-343-771	C15 N/2-21465	US-PATENT-3,624,496 NASA-CASE-GSC-10218-1
	US-PATENT-CLASS-343-893		US-PATENT-APPL-SN-15022
	HC DIMENS 2 C20 CC4	İ	US-PATENT-CLASS-23-253R
c09 N72-21245	NASA-CASE-ARC-10192		US-PATENT-CLASS-23-259 US-PATENT-CLASS-73-425.6
	US-PATENT-APPL-SN-15024		US-PATENT-CLASS-141-23
	US-PATENT-CLASS-307-230		US-PATENT-CLASS-195-127
	US-PATENT-CLASS-307-295		US-PATENT-CLASS-222-71
	US-PATENT-CLASS-328-142		US-PATENT-CLASS-222-135
	US-PATENT-CLASS-328-167 US-PATENT-CLASS-330-70R		US-PATENT-CLASS-222-309
	US-PATENT-CLASS-330-85	G15 N72-24466	US-PATENT-3,615,241
	US-PATENT-CLASS-333-80	C13 N/2-21466	••••••••••••••••••••••••••••••••••••••
	#S=DX#F##=2 621 //07		US-PATENT-APPL-SN-756834
c09 N72-21246	NASA-CASE-NDO-11130		US-PATENT-CLASS-204-59 US-PATENT-CLASS-204-130
	US-PATENT-APPL-SN-883524		US-PATENT-3,616,338
	US-PATENT-CLASS-318-576	c15 N72-21471	••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-324-71R		US-PATENT-APPL-SN-217213
	US-PATENT-CLASS-346-1	c15 N72-21472	NASA-CASE-LAR-10295-1
	US-PATENT-CLASS-346-29		US-PATENT-APPL-SN-221685
c09 N72-21247	US-PATENT-3,624,659	c15 N72-21473	••••• NASA-CASE-LEW-11076-1
	US-PATENT-APPL-SN-71047	c15 N72-21474	US-PATENT-APPL-SN-238264
	US-PATENT-CLASS-307-257	C13 R72-21474	NASA-CASE-NPO-11682
	US-PATENT-CLASS-307-259	c15 N72-21476	US-PATENT-APPL-SN-187365
	US-PATENT-CLASS-331-14	210 272 21470	NASA-CASE-LAR-10634-1
	US-PATENT-CLASS-331-23	c15 N72-21477	US-PATENT-APPL-SN-214084 •••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-331-30		US-PATENT-APPL-SN-198928
	US-PATENT-CLASS-331-111	c15 N72-21482	••••••••••••••••••••••••••••••••••••••
c09 N72-21248	US-PATENT-3,614,648	40	US-PATENT-APPL-SN-196898
114-4140	NASA-CASE-LAR-10503-1	c15 N72-21484	•••••• NASA-CASE-LAR-10489-1
c09 N72-21251	US-PATENT-APPL-SN-229143	015 NGO 04505	US-PATENT-APPL-SN-198743
	US-PATENT-APPL-SN-87597	c15 N72-21485	NASA-CASE-LEW-10805-2
c09 N72-21254	NASA-CASE-NUC-10107-1	c15 N72-21486	US-PATENT-APPL-SN-233743
	US-PATENT-APPL-SN-2017CO	013 B12-21400	NASA-CASE-XLA-11028 US-PATENT-APPL-SN-219435
c10 N72-21274	NASA-CASE-MFS-21374	c15 N72-21487	••••••••••••••••••••••••••••••••••••••
040 N73-04074	US-PATENT-APPL-SN-238047		US-PATENT-APPL-SN-197689
c10 N72-21276	NASA-CASE-ARC-10364-1	c15 N72-21489	••••••••••••••••••••••••••••••••••••••
	US-PATENT-APPL-SN-209618		US-PATENT-APPL-SN-219436
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c16 N72-21503		1	US-PATENT-CLASS-235-194
	US-PATENT-APPL-SN-162380		US-PATENT-CLASS-235-197
C18 N/2-2155/	NASA-CASE-MFS-20486 US-PATENT-APPL-SN-84212		US-PATENT-CLASS-340-347E US-PATENT-3,621,228
c21 N72-21624	NASA-CASE-HQN-10439	c08 N72-22166	NASA-CASE-NPO-10560
	US-PATENT-APPL-SN-889551 US-PATENT-CLASS-244-1SA		US-PATENT-APPL-SN-856282 US-PATENT-CLASS-235-153
	US-PATENT-3,637,170		US-PATENT-CLASS-235-153
c21 N72-21631	US-PATENT-APPL-SN-219722		US-PATENT-CLASS-340-347AD
c21 N72-21632		c08 N72-22167	US-PATENT-3,603,772NASA-CASE-NPO-11082
22 422 24644	US-PATENT-APPL-SN-232021		US-PATENT-APPL-SN-868529
C22 N/2-21644			US-PATENT-CLASS-235-152 US-PATENT-CLASS-340-146.1
	US-PATENT-CLASS-176-86L		US-PATENT-CLASS-340-348
c23 N72-21663	US-PATENT-3,624,241	C09 N72-22195	US-PATENT-3,609,327 NASA-CASE-HFS-14710
	US-PATENT-APPL-SN-163151		US-PATENT-APPL-SN-852843
c25 N72-21693			US-PATENT-CLASS-74-105 US-PATENT-3,614,899
c26 N72-21701		c09 N72-22196	
	US-PATENT-APPL-SN-825258		US-PATENT-APPL-SN-775870
	US-PATENT-CLASS-307-299 US-PATENT-CLASS-317-234V		US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-14
	US-PATENT-CLASS-317-235B		US-PATENT-CLASS-321-19
	US-PATENT-CLASS-331-107 US-PATENT-CLASS-332-31		US-PATENT-CLASS-321-25 US-PATENT-CLASS-323-56
	US-PATENT-3,614,557		US-PATENT-CLASS-323-89C
c03 N72-22041		C09 N72-22197	US-PATENT-3,614,587NASA-CASE-LEW-10433-1
	US-PATENT-CLASS-29-572	003 112 22131	US-PATENT-APPL-SN-849106
c03 N72=220H2	US-PATENT-3,616,528		US-PATENT-CLASS-307-88MP US-PATENT-CLASS-307-262
CO3 N72-22042	US-PATENT-APPL-SN-6616		US-PATENT-3,612,895
	US-PATENT-CLASS-136-89	c09 N72-22198	
c03 N72-22048	US-PATENT-3,615,853		US-PATENT-APPL-SN-80369 US-PATENT-CLASS-174-36
A	US-PATENT-APPL-SN-228163		US-PATENT-CLASS-174-106R
CUS N/2-22092			US-PATENT-CLASS-174-117FF US-PATENT-3,612,743
	US-PATENT-CLASS-2-2.1A	c09 N72-22199	NASA-CASE-ERC-10222
c05 N72-22093	US-PATENT-3,636,564		US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590
	US-PATENT-APPL-SN-63384		US-PATENT-3,621,565
	US-PATENT-CLASS-4-99 US-PATENT-CLASS-4-110	c09 N72-22200	
	US-PATENT-CLASS-128-295		US-PATENT-CLASS-73-88.5
c05 N72-22098	US-PATENT-3,602,923 NASA-CASE-MFS-20284		US-PATENT-CLASS-307-237 US-PATENT-CLASS-307-254
	US-PATENT-APPL-SN-242027		US-PATENT-CLASS-307-317
c06 N72-22107		•	US-PATENT-CLASS-328-1 US-PATENT-CLASS-328-151
	US-PATENT-CLASS-260-877		US-PATENT-3,621,285
c06 N72-22114	US-PATENT-3,639,510 NASA-CASE-NPO-11609-1	c09 N72-22201	
	.US-PATENT-APPL-SN-228229		US-PATENT-CLASS-307-223B
c07 N72-22127	US-PATENT-APPL-SN-848776		US-PATENT-CLASS-307-241 US-PATENT-CLASS-307-252J
	US-PATENT-CLASS-343-771		US-PATENT-CLASS-307-252K
	US-PATENT-CLASS-343-797 US-PATENT-CLASS-343-853		US-PATENT-CLASS-307-284
	US-PATENT-CLASS-343-912		US-PATENT-CLASS-307-304 US-PATENT-CLASS-307-317
10 470 20460	US-PATENT-3,623,114		US-PATENT-CLASS-328-106
CU8 N/2-22162	NASA-CASE-NPO-11333 US-PATENT-APPL-SN-78065	c09 N72-22202	US-PATENT-3,621,287
	US-PATENT-CLASS-178-52	***************************************	US-PATENT-APPL-SN-865106
	US-PATENT-CLASS-179-15A US-PATENT-CLASS-179-15BL		US-PATENT-CLASS-128-2.1A US-PATENT-CLASS-128-2R
	US-PATENT-CLASS-307-243		US-PATENT-CLASS-120-21
	US-PATENT-CLASS-307-251 US-PATENT-CLASS-328-104		US-PATENT-CLASS-307-247 US-PATENT-CLASS-307-288
	US-PATENT-CLASS-328-154		US-PATENT-CLASS-307-288 US-PATENT-CLASS-325-29
-00 N70 00163	US-PATENT-3,614,327NASA-CASE-MSC-13110-1		US-PATENT-CLASS-325-492
CV8 N72-22103	US-PATENT-APPL-SN-23132		US-PATENT-CLASS-340-171 US-PATENT-CLASS-340-203
	US-PATENT-CLASS-340-347AD		US-PATENT-3,621,290
c08 N72-22164	US-PATENT-3,614,772 	CO9 N/2-22203	
	US-PATENT-APPL-SN-878730		US-PATENT-CLASS-321-2
	US-PATENT-CLASS-178-DIG.28 US-PATENT-CLASS-178-DIG.36		US-PATENT-CLASS-321-15 US-PATENT-CLASS-321-18
	US-PATENT-CLASS-178-6.8		US-PATENT-CLASS-321-45
	US-PATENT-CLASS-178-7.2B US-PATENT-3,621,130		US-PATENT-CLASS-331-117
c08 N72-22165		c09 N72-22204	US-PATENT-3,621,362
	US-PATENT-APPL-SN-860750		US-PATENT-APPL-SN-881041
	US-PATENT-CLASS-235-150.52 US-PATENT-CLASS-235-150.53		US-PATENT-CLASS-200-81R US-PATENT-CLASS-200-82C
	US-PATENT-CLASS-235-183		US-PATENT-3,609,271
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c10 N72-22235			US-PATENT-APPL-SN-867851
•	US-PATENT-APPL-SN-802812	1	US-PATENT-CLASS-62-55.5
	US-PATENT-CLASS-343-7.4	15 173 20405	US-PATENT-3,625,018
	US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-779	C15 N/2-22485	NASA-CASE-MSC-13512-1
	US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786	!	US-PATENT-APPL-SN-73932
	U2-DATENT-3 623 000		US-PATENT-CLASS-74-501R US-PATENT-3,625.084
c10 N72-22236		c15 N72-22486	US-PATENT-3,625,084
	US-PATENT-APPL-SN-889423		US-PATENT-APPL-SN-98773
	US-PATENT-CLASS-307-206		US-PATENT-CLASS-220-5R
	US-PATENT-CLASS-307-215		US-PATENT-CLASS-317-101DH
	US-PATENT-CLASS-307-322	•	US-PATENT-CLASS-317-117
	US-PATENT-CLASS-307-323	1	US-PATENT-CLASS-317-120
44 930 00005	US-PATENT-3,621,277		US-PATENT-3,639,809
C11 N/2-22245	••••••••••••••••••••••••••••••••••••••	c15 N72-22487	NASA-CASE-GSC-10303
	US-PATENT-APPL-SN-690172 US-PATENT-CLASS-230-54		US-PATENT-APPL-SN-802813
	US-PATENT-CLASS-230-221		US-PATENT-CLASS-29-473.1
	HC_DAMPNM_2 612 201	C15 N72-22488	US-PATENT-3,619,896 NASA-CASE-MSC-11849-1
c11 N72-22246	••••••••••••••••••••••••••••••••••••••	013 1172 22400	US-PATENT-APPL-SN-6617
	US-PATENT-APPL-SN-867841	!	US-PATENT-CLASS-85-1
	US-PATENT-CLASS-73-147		UZ-DATENT-3 622 200
	US-PATENT-3,620,076	c15 N72-22489	••••••••••••••••••••••••••••••••••••••
c11 N72-22247	NASA-CASE-NPO-11013		US-PATENT-APPL-SN-789045
	US-PATENT-APPL-SN-858695		US-PATENT-CLASS-55-446
	US-PATENT-CLASS-42-1F		US-PATENT-CLASS-55-464
C14 N72-22537	US-PATENT-3,619,924	ŀ	US-PATENT-CLASS-417-152
C14 N/2 2243/	US-PATENT-APPL-SN-12661	C15 N72-22/190	US-PATENT-3,623,828 NASA-CASE-LEW-10856-1
	US-PATENT-CLASS-73-141A	C15 N72-22490	US-PATENT-APPL-SN-3417
	HC_Dampum_3 644 700		US-PATENT-CLASS-308-195
c14 N72-22438		,	US-DATENT-3 620 595
	US-PATENT-APPL-SN-882122	c15 N72-22491	••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-73-398C		US-PATENT-APPL-SN-889558
40	US-PATENT-3,620,083		US-PATENT-CLASS-29-628
c14 N72-22439			US-PATENT-CLASS-219-85
	US-PATENT-APPL-SN-103229		US-PATENT-CLASS-219-158
	US-PATENT-CLASS-29-421		US-PATENT-CLASS-219-234
	US-PATENT-CLASS-264-22 US-PATENT-CLASS-310-11		US-PATENT-CLASS-228-57
	US-PATENT-CLASS-310-42	C15 N72-22492	US-PATENT-3,621,194 NASA-CASE-MFS-20482
	US-PATENT-3,626,218	0.5 1.72 22452	US-PATENT-APPI-SN-6610
c14 N72-22440	NASA-CASE-ARC-10154-1		US-PATENT-CLASS-29-472.9
	US-PATENT-APPL-SN-793771		US-PATENT-CLASS-29-473.1
	US-PATENT-CLASS-73-67.2		HS_D3TRNT_2 602 070
-41 270 00004	US-PATENT-3,620,069	c15 N72-22505	NASA-CASE-LAR-10547-1
C14 N/2-22441	NASA-CASE-NPO-11002		IIS-DITENT-IDDI-CU-40200A
	US-PATENT-APPL-SN-856328 US-PATENT-CLASS-350-19	C16 N/2-22520	
	US-PATENT-CLASS-350-19	C17 N72-22520	US-PATENT-APPL-SN-233587NASA-CASE-XLE-06461
	US-PATENT-CLASS-350-26	C17 N72-22550	US-PATENT-APPL-SN-853855
	US-PATENT-CLASS-350-35		US-PATENT-CLASS-755B
	US-PATENT-CLASS-350-36		TO DIMPUM 2 CO2 OCA
	US-PATENT-CLASS-350-49	c17 N72-22535	05-PATENT-3,623,861 ••••••10874-1
	US-PATENT-CLASS-350-52		US-PATENT-APPL-SN-68024
-10 N70-22002	US-PATENT-3,612,645		US-PATENT-CLASS-75-170
C14 N72-22442	NASA-CASE-MFS-21629	1	US-PATENT-CLASS-148-32.5
	US-PATENT-APPL-SN-612265 US-PATENT-CLASS-73-304	010 N72-22566	US-PATENT-3,620,718NASA-CASE-MFS-20011
	US-PATENT-CLASS-324-61	C16 N/2-22566	NASA-CASE-MFS-20011
	US-PATENT-3,639,835		US-PATENT-APPL-SN-813338 US-PATENT-CLASS-106-84
c14 N72-22443	NASA-CASE-XGS-03736	}	US-PATENT-CLASS-106-286
	US-PATENT-APPL-SN-749320		US-PATENT-CLASS-106-288B
	US-PATENT-CLASS-96-90PC	İ	US-PATENT-3,620,791
	US-PATENT-CLASS-252-300	c18 N72-22567	
-44 372 22444	US-PATENT-3,639,250]	US-PATENT-APPL-SN-860781
C14 N/2-22444			US-PATENT-CLASS-260-2.1E
	US-PATENT-APPL-SN-32665	1 .24 .22 .2242	US-PATENT-3,629,161
	US-PATENT-CLASS-250-203 US-PATENT-CLASS-350-16	C21 N/2-22619	NASA-CASE-ARC-10179-1
	US-PATENT-CLASS-350-10	ĺ	US-PATENT-APPL-SN-835058
	US-PATENT-CLASS-356-248	1	US-PATENT-CLASS-244-114 US-PATENT-CLASS-340-26
	HS-PATENT-3.647.276		US-PATENT-CLASS-340-26 US-PATENT-3,624,598
c14 N72-22445	NASA-CASE-LAR-10184	c23 N72-22673	
	US-PATENT-APPL-SN-16808		US-PATENT-APPL-SN-36819
	US-PATENT-CLASS-33-174S		US-PATENT-CLASS-350-310
	US-PATENT-CLASS-350-86		US-PATENT-3,620,606
C14 N79-33853	US-PATENT-3,620,595NASA-CASE-NPO-11659-1	c28 N72-22769	NASA-CASE-ARC-10106-1
U 17 11/2-22733	US-PATENT-APPL-SN-228189		US-PATENT-APPL-SN-812998
c15 N72-22482	US-PATENT-APPL-SN-228189 NASA-CASE-XLA-04897		US-PATENT-CLASS-244-3.22
	US-PATENT-APPL-SN-880249	c28 N72-22770	US-PATENT-3,612,442NASA-CASE-LEW-10770-1
	US-PATENT-CLASS-73-133	V20 812-22110	NASA-CASE-LEW-10770-1 US-PATENT-APPL-SN-880246
	US-PATENT-3.613.457		US-PATENT-CLASS-60-202
c15 N72-22483	NASA-CASE-XNP-09770-2		US-PATENT-3.613.370
	US-PATENT-APPL-SN-864039	c28 N72-22771	NASA-CASE-LEW-10835-1
	US-PATENT-CLASS-209-349		US-PATENT-APPL-SN-67815
c15 N72-22484	US-PATENT-3,615,021		US-PATENT-CLASS-60-202
22707	TEOUT TANTES TANDED TO THE TOTAL TOUR	I	US-PATENT-3,620,018

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c28 N72-22772	NASA-CASE-NPO-12072		US-PATENT-APPL-SN-41346
	US-PATENT-APPL-SN-82647		US-PATENT-CLASS-264-92
	US-PATENT-CLASS-123-122AB		NC_DAMPUM 2 (CO 074
	US-PATENT-CLASS-137-81.5	c25 N72-24753	03-PATENT-3,658,974 ••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-261-145		US-PATENT-APPL-SN-866442
	US-PATENT-3,640,256	•	US-PATENT-CLASS-313-186
C31 N72-22874	NASA-CASE-NPO-10883	1	US-PATENT-CLASS-313-212
	US-PATENT-APPL-SN-26573		US-PATENT-CLASS-313-224
**	US-PATENT-CLASS-136-89	1	US-PATENT-CLASS-313-231
	US-PATENT-CLASS-312-257		US-PATENT-CLASS-315-111
CO3 N72-23648	US-PATENT-3,620,846 NASA-CASE-NPO-11388		US-PATENT-CLASS-315-326
COS N.2 23040	US-PATENT-APPL-SN-119282		US-PATENT-CLASS-315-358 US-PATENT-CLASS-331-94.5
	US-PATENT-CLASS-310-2	· ·	US-PATENT-CLASS-331-94.5 US-PATENT-3,617,804
	US-PATENT-CLASS-321-2	c03 N72-25019	••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-322-2		US-PATENT-APPL-SN-6615
	US-PATENT-3,648,152		US-PATENT-CLASS-156-250
c05 N72-23085	NASA-CASE-LAR-10102-1		US-PATENT-CLASS-156-510
	US-PATENT-APPL-SN-13266		US-PATENT-3,654,036
	US-PATENT-CLASS-224-25A	CO3 N/2-25020	US-PATENT-3,654,036 NASA-CASE-GSC-11211-1
CO9 N72-23171	US-PATENT-3,649,921		US-PATENT-APPL-SN-139528
	US-PATENT-APPL-SN-779025		US-PATENT-CLASS-235-92T
	US-PATENT-CLASS-307-252N		US-PATENT-CLASS-307-141.8 US-PATENT-CLASS-320-48
	US-PATENT-CLASS-307-252R		US-PATENT-CLASS-324-29.5
	US-PATENT-CLASS-307-259	*	NO DIMENT O CON AND
•	US-PATENT-CLASS-307-305	c03 N72-25021	05-PATENT-3,663,938 ••••••••••••••••••••••••••••••••••••
-00 872 27472	US-PATENT-3,621,294		US-PATENT-APPI-SN-8650
CO9 N/2-231/2	NASA-CASE-LAR-10320-1		US-PATENT-CLASS-214-90R
	US-PATENT-APPL-SN-18427 US-PATENT-CLASS-324-20R	005 970 05465	US-PATENT-3.666.120
	US-PATENT-3,649,907	CUS N/2-25119	
c09 N72-23173			US-PATENT-APPL-SN-785613
	US-PATENT-APPL-SN-41348	1 .	US-PATENT-CLASS-2-2.1 US-PATENT-CLASS-2-115
	US-PATENT-CLASS-235-197		US-PATENT-3,660,851
	US-PATENT-CLASS-307-229	c05 N72-25120	
	US-PATENT-CLASS-328-145		US-PATENT-APPL-SN-844225
	US-PATENT-3,648,043		US-PATENT-CLASS-106-209
C11 N/2-23215.	NASA-CASE-MFS-20710	1	US-PATENT-CLASS-128-2.1
	US-PATENT-APPL-SN-114848		US-PATENT-CLASS-128-417
	US-PATENT-CLASS-13-20 US-PATENT-CLASS-13-31		US-PATENT-CLASS-252-514
	US-PATENT-3.647.924		US-PATENT-CLASS-264-104
c14 N72-23457		c05 N72-25121	US-PATENT-3,665,064
	US-PATENT-APPL-SN-792623		US-PATENT-APPL-SN-78704
	US-PATENT-CLASS-55-493	İ	US-PATENT-CLASS-29-25.14
	US-PATENT-CLASS-55-498		US-PATENT-CLASS-29-25.18
	US-PATENT-CLASS-55-502		US-PATENT-CLASS-29-482
	US-PATENT-CLASS-55-521		US-PATENT-CLASS-29-630A
c15 N72-23497	US-PATENT-3,650,095 	,	US-PATENT-CLASS-156-264
	US-PATENT-APPL-SN-73834		US-PATENT-CLASS-156-308
	US-PATENT-CLASS-219-85	c05 N72-25122	US-PATENT-3,662,441NASA-CASE-MSC-13609-1
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•	US-PATENT-CLASS-219-234		US-PATENT-CLASS-128-2N
•	US-PATENT-CLASS-324-65R		US-DATENT-3 662 700
10 N72-22501	US-PATENT-3,621,193	c05 N72-25142	
C10 N/2-23301		-06 "70 054"6	US-PATENT-APPL-SN-256317
	US-PATENT-CLASS-106-84	CUO N/2-25146	NASA-CASE-NPO-11322
	US-PATENT-3.620.784		US-PATENT-APPL-SN-87550
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	US-PATENT-APPL-SN-822089		HS-PATENT-3.666.942
	US-PATENT-CLASS-350-171	c06 N72-25147.	NASA-CASE-ARC-10325
620 NZ2-22000	US-PATENT-3,606,522NASA-CASE-XNP-09461		US-PATENT-APPL-SN-63610
C28 N/2-23809			US-PATENT-CLASS-260-2. JFP
•	US-PATENT-APPL-SN-670829 US-PATENT-CLASS-239-418	ans 172-25140	US-PATENT-3,663,464
*	US-PATENT-CLASS-239-433	CU6 N/2-25148	
	US-PATENT-CLASS-239-543		US-PATENT-APPL-SN-870689 US-PATENT-CLASS-260-348SC
	US-PATENT-3.650.474		US-PATENT-3,660,434
c28 N72-23810	NASA-CASE-NPO-11458	c06 N72-25149	
	US-PATENT-APPL-SN-36926		US-PATENT-APPL-SN-822039
	US-PATENT-CLASS-60-266		US-PATENT-CLASS-195-28N
•	US-PATENT-CLASS-60-271		US-PATENT-CLASS-195-103.5R
CO3 N72-24037	US-PATENT-3,648,461 NASA-CASE-GSC-11514-1		US-PATENT-CLASS-260-211.5
242 212 27031	US-PATENT-APPL-SN-820453	CO6 N72-25450	US-PATENT-3,660,240
	US-PATENT-CLASS-117-201	CVO N/2-23130	NASA-CASE-XLE-06774-2
	US-PATENT-CLASS-136-89		US-PATENT-APPL-SN-5114 US-PATENT-CLASS-117-132
	US-PATENT-3.653.970		US-PATENT-CLASS-117-132
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	US-PATENT-APPL-SN-774733		US-PATENT-CLASS-260-92.1
	US-PATENT-CLASS-73-355R		US-PATENT-3,666,741
	US-PATENT-CLASS-250-83.3H	c06 N72-25151	NASA-CASE-MFS-20979
	US-PATENT-CLASS-317-247 US-PATENT-CLASS-324-61R		US-PATENT-APPL-SN-100774
•	US-PATENT-3,657,644		- US-PATENT-CLASS-260-18S
c15 N72-24522	••••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-260-46.5E US-PATENT-CLASS-260-46.5G
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	US-PATENT-CLASS-260-46.5P	20 220 05000	US-PATENT-3,648,250
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c06 N72-25152			US-PATENT-CLASS-321-2
	US-PATENT-APPL-SN-145026		US-PATENT-CLASS-323-DIG. 1
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	US-PATENT-APPL-SN-64723		US-PATENT-CLASS-315-135
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	US-PATENT-CLASS-333-98R		US-PATENT-CLASS-340-332
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CU/ N/2-251/1	US-PATENT-APPL-SN-86417		US-PATENT-APPL-SN-10329 US-PATENT-CLASS-307-261
	US-PATENT-CLASS-102-34.4		US-PATENT-CLASS-321-2
	US-PATENT-CLASS-325-4		US-PATENT-CLASS-321-18
	US-PATENT-CLASS-325-114 US-PATENT-CLASS-343-6.5R	~00 1177-25252	US-PATENT-3,659,184
	US-PATENT-3,667,044	COS N12-25252	
c07 N72-25172	NASA-CASE-NPO-11358		US-PATENT-CLASS-321-2
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	US-PATENT-CLASS-179-15BV		US-PATENT-CLASS-321-18
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	US-PATENT-CLASS-325-58		US-PATENT-CLASS-331-113A
	US-PATENT-CLASS-325-64		US-PATENT-3,663,941
	US-PATENT-CLASS-325-141 US-PATENT-CLASS-325-302	C09 N72-25254	
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	US-PATENT-APPL-SN-25488		US-PATENT-CLASS-339-143R
	US-PATENT-CLASS-235-154 US-PATENT-CLASS-340-347DA		US-PATENT-CLASS-339-147R US-PATENT-3,663,929
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	US-PATENT-CLASS-340-172.5		US-PATENT-CLASS-324-76D
	US-PATENT-3,648,256		US-PATENT-CLASS-328-136
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	US-PATENT-CLASS-325-62		US-PATENT-CLASS-330-4.5
	US-PATENT-CLASS-332-21 US-PATENT-3,659,053	COO N72-25250	US-PATENT-3,663,886
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	US-PATENT-APPL-SN-73310		US-PATENT-CLASS-29-497
	US-PATENT-CLASS-343-708 US-PATENT-CLASS-343-771		US-PATENT-CLASS-29-498 US-PATENT-CLASS-29-502
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	US-PATENT-CLASS-307-103 US-PATENT-CLASS-323-48	US-PATENT-CLASS-285-33
	US-PATENT-CLASS-323-82	US-PATENT-CLASS-285-316 US-PATENT-CLASS-339-45#
	US-PATENT-3,663,828	US-PATENT-CLASS-339-458
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	US-PATENT-APPL-SN-874177	C15 N72-25451
	US-PATENT-CLASS-195-127 US-PATENT-3,649,462	US-PATENT-APPL-SN-8636
c11 N72-25287	••••••••••••••••••••••••••••••••••••••	US-PATENT-CLASS-251-360 US-PATENT-3,658,295
	US-PATENT-APPL-SN-32664	c15 N72-25452
	US-PATENT-CLASS-52-648	US-PATENT-APPL-SN-876588
	US-PATENT-CLASS-52-655	US-PATENT-CLASS-96-36.2
	US-PATENT-CLASS-287-54A US-PATENT-3,665,670	US-PATENT-CLASS-117-16R
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	US-PATENT-APPL-SN-55534	US-PATENT-CLASS-117-47E
	US-PATENT-CLASS-73-140	US-PATENT-CLASS-117-93.3
	US-PATENT-CLASS-73-161 US-PATENT-3,665,758	US-PATENT-CLASS-117-124C
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	US-PATENT-APPL-SN-82648	US-PATENT-CLASS-204-49 US-PATENT-CLASS-204-157, 18AG
	US-PATENT-CLASS-210-188	US-PATENT-CLASS-250-65P
	US-PATENT-CLASS-310-11	
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	US-PATENT-APPL-SN-250335	US-PATENT-APPL-SN-61535 US-PATENT-CLASS-187-1
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	US-PATENT-APPL-SN-81095	US-PATENT-CLASS-187-95
	US-PATENT-CLASS-73-421.5R	US-PATENT-CLASS-254-190
	US-PATENT-CLASS-73-422GC US-PATENT-CLASS-73-422TC	US-PATENT-3,666,051 c15 N72-25454
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	US-PATENT-APPL-SN-39344	US-PATENT-CLASS-52-173
	US-PATENT-CLASS-250-83.3UV US-PATENT-CLASS-250-209	US-PATENT-CLASS-52-594
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	US-PATENT-CLASS-350-203	US-PATENT-APPL-SN-19585
-40 970 05040	US-PATENT-3,657,549	US-PATENT-CLASS-60-39.74A
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	US-PATENT-APPL-SN-45519 US-PATENT-CLASS-73-515	US-PATENT-CLASS-239-424
	US-PATENT-CLASS-73-521	US-PATENT-3,662,547 c15 N72-25456 NASA-CASE-NPO-11222
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-4" "70 25"444	US-PATENT-3,657,928	US-PATENT-CLASS-310-68
C14 N/2-25411		US-PATENT-CLASS-310-80
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	US-PATENT-CLASS-73-492	US-PATENT-3,660,704 c15 N72-25457 NASA-CASE-ERC-10325
	US-PATENT-CLASS-116-114AH	UC-Dimensor on unon
~18 N72-25812	US-PATENT-3,656,352 ••••••• NASA-CASE-MFS-15063	US-PATENT-CLASS-324-1580
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	US-PATENT-APPL-SN-889420	c15 N72-25480
	US-PATENT-CLASS-195-127	c16 N72-25485 NASA-CASE-ERC-10283
+40 372 25840	US-PATENT-3,666,631	US-PATENT-APPL-SN-39185
C14 N/2-25414		US-PATENT-CLASS-331-94.5
	US-PATENT-CLASS-178-7.92	US-PATENT-CLASS-332-7.51 US-PATENT-3,659,225
	US-PATENT-CLASS-350-175FS	c16 N72-25489 NASA-CASE-MSC-10986-2
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C14 N72-23420	••••••••••••••••••••••••••••••••••••••	c16 N72-25490 NASA-CASE-NPO-11856-1
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	US-PATENT-APPL-SN-254173	US-PATENT-APPL-SN-235962
c15 N72-25447	NASA-CASE-LEW-10489-1	c17 N72-25517 NASA-CASE-LEW-11348-1
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	US-PATENT-CLASS-117-62	C18 N72-25539 NASA-CASE-LEW-10424-2-2 US-PATENT-APPL-SN-15222
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	US-PATENT-CLASS-117-217 US-PATENT-3,649,356	US-PATENT-CLASS-75-226
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	US-PATENT-APPL-SN-66004	US-PATENT-3,663,347
	US-PATENT-CLASS-285-DIG.21 US-PATENT-CLASS-285-3	C18 N72-25541
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	US-PATENT-CLASS-161-68		US-PATENT-CLASS-128-417
	US-PATENT-CLASS-161-127	0.5 1170 074111	US-PATENT-3,669,110
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C2 N72-25595	US-PATENT-APPL-SN-59966	·	US-PATENT-APPL-SN-770398
	US-PATENT-CLASS-244-1SA		US-PATENT-CLASS-260-77.5AP
	US-PATENT-CLASS-244-23A	l·	US-PATENT-CLASS-260-535H
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•	US-PATENT-CLASS-62-80		US-PATENT-APPL-SN-266899
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	US-PATENT-CLASS-317-235A		US-PATENT-CLASS-340-240
·	US-PATENT-CLASS-317-235AJ		US-PATENT-3,673,424
•	US-PATENT-CLASS-317-235R US-PATENT-CLASS-331-107G	c09 N72-27228	
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	US-PATENT-APPL-SN-47061	c09 N72-27230	NASA-CASE-HQN-10792-1
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	US-PATENT-CLASS-324-96 US-PATENT-CLASS-340-324R	C09 N72-27232	
	US-PATENT-CLASS-350-150		US-PATENT-APPL-SN-253249
	US-PATENT-CLASS-350-160R	c09 N72-27233	NASA-CASE-ARC-10596-1
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C2/ N/2-25099	US-PATENT-APPL-SN-74861	C10 N/2-2/240	
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	US-PATENT-CLASS-149-36 US-PATENT-CLASS-149-92		US-PATENT-CLASS-313-336 US-PATENT-CLASS-313-351
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	US-PATENT-APPL-SN-64391	c10 N72-27255	
	US-PATENT-CLASS-95-12.5 US-PATENT-3,662,661	c11 N72-27262	US-PATENT-APPL-SN-239573
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	US-PATENT-APPL-SN-243374	1	US-PATENT-CLASS-73-117.1
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. ,	US-PATENT-CLASS-73-15.6	c11 N72-27271	
	US-PATENT-CLASS-73-100		US-PATENT-APPL-SN-261183
22 270 05044	US-PATENT-3,665,751	c11 N72-27272	
C33 N/2-25911	US-PATENT-APPL-SN-47063	c12 N72-27310	US-PATENT-APPL-SN-263815NASA-CASE-MFS-21394-1
•	US-PATENT-CLASS-60-200A	. 012 27310	US-PATENT-APPL-SN-258171
•	US-PATENT-CLASS-60-265	c14 N72-27408	NASA-CASE-NPO-11147
	US-PATENT-CLASS-60-267 US-PATENT-CLASS-62-467		US-PATENT-APPL-SN-63195 US-PATENT-CLASS-324-798
•	US-PATENT-CLASS-02-407	·	US-PATENT-CLASS-324-79R
•	US-PATENT-3,656,317		US-PATENT-CLASS-331-44
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	US-PATENT-CLASS-136-202 US-PATENT-3,666,566		US-PATENT-CLASS-356-141 US-PATENT-CLASS-356-152
c15 N72-26371	NASA-CASE-NPO-10244		US-PATENT-3.670.168
	US-PATENT-APPL-SN-43327	c14 N72-27410	NASA-CASE-YIE-05220
	US-PATENT-CLASS-73-136R		US-PATENT-APPL-SN-877717 US-PATENT-CLASS-136-233
	US-PATENT-CLASS-308-2A US-PATENT-3,664,185		US-PATENT-CLASS-136-233 US-PATENT-3,671,329
c03 N72-27053	NASA-CASE-GSC-10344-1	c14 N72-27411	NASA-CASE-MSC-12293-1
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_40 930 0000	US-PATENT-3,676,772 NASA-CASE-GSC-10786-1	CU9 N/2-291/2	US-PATENT-APPL-SN-41345
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	US-PATENT-CLASS-250-71.5R	US-PATENT-APPL-SN-100639
	US-PATENT-CLASS-313-356	US-PATENT-CLASS-350-79
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	US-PATENT-APPL-SN-723465	US-PATENT-CLASS-118-49.1
	US-PATENT-CLASS-277-25 US-PATENT-CLASS-277-27	US-PATENT-CLASS-204-298
	US-PATENT-CLASS-277-74	US-PATENT-CLASS-219-121P
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	US-PATENT-CLASS-235-150.53 US-PATENT-CLASS-235-181		US-PATENT-CLASS-425-133
	US-PATENT-CLASS-325-325		US-PATENT-CLASS-425-176 US-PATENT-3,698,848
	US-PATENT-CLASS-340-146.1	c15 N73-13465	**************************************
c08 N73-13187	US-PATENT-3,701,894 ••••••••••••••••••••••••••••••••••••		US-PATENT-APPL-SN-29917
	US-PATENT-APPL-SN-100996		US-PATENT-CLASS-148-11.5B US-PATENT-3,702-791
	US-PATENT-CLASS-340-172.5 US-PATENT-3,702,463	c15 N73-13466	•••••• NASA-CASE-MFS-20944
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	US-PATENT-APPL-SN-198285 US-PATENT-CLASS-315-3.5		US-PATENT-CLASS-91-448
	US-PATENT-CLASS-315-3.5	C15 N73+13467	US-PATENT-3,702,575 NASA-CASE-NPO-11369
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CO3 N73-13203	NASA-CASE-XLA-C5099 US-PATENT-APPL-SN-98798		US-PATENT-CLASS-60-1
	US-PATENT-CLASS-235-152		US-PATENT-CLASS-60-23 US-PATENT-CLASS-60-37
	US-PATENT-CLASS-307-207	45	HC_DAMBUM 2 760 FOR
	US-PATENT-CLASS-307-215 US-PATENT-3,700,868	c15 N73-13474	NASA-CASE-LAR-10089-1
c09 N73-13214	•••••• NASA-CASE-GSC-11602-1	c15 N73-13475	US-PATENT-APPL-SN-305638 NASA-CASE-WLP-10040-1
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	US-PATENT-APPL-SN-60883	C16 N/3-13489	NASA-CASE-HQN-10654-1 US-PATENT-APPL-SN-182978
	US-PATENT-CLASS-178-DIG.6		US-PATENT-CLASS-3245R
	US-PATENT-CLASS-178-6 US-PATENT-CLASS-307-242		US-PATENT-CLASS-331-94
	US-PATENT-CLASS-307-259	c18 N73-13562	US-PATENT-3,702,972 ••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-328- 10 4 US-PATENT-CLASS-328- 15 4		US-PATENT-APPL-SN-115082
	HS_DATEM_ 2 702 000		US-PATENT-CLASS-260-2.5F
C11 N73-13257	NASA-CASE-LAR-10574-1	c21 N73-13643	US-PATENT-3,702,841 NASA-CASE-HQN-10703
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C14 M/3-13413	NASA-CASE-LAR-10855-1 US-PATENT-APPL-SN-166541		US-PATENT-CLASS-340-97
	US-PATENT-CLASS-73-147		US-PATENT-CLASS-343-112CA US-PATENT-3,699,511
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C14 R75-15410	US-PATENT-APPL-SN-168650		US-PATENT-CLASS-340-174.1R
	US-PATENT-CLASS-73-71.6		US-PATENT-CLASS-346-74MD US-PATENT-CLASS-346-138
c14 N73-13417	US-PATENT-3,699,807 ••••••••••••••••••••••••••••••••••••	.22 472 4747	HC Dimmum 2 com acc
	US-PATENT-APPL-SN-147099	C22 N/3-13656	US-PATENT-3,697,968 •••••••••••••••••••••••••••••••••••
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	US-PATENT-CLASS-29-573 US-PATENT-CLASS-29-624		US-PATENT-APPL-SN-173185
	US-PATENT-CLASS-136-233		US-PATENT-CLASS-315-169R US-PATENT-CLASS-315-169TV
c14 N73-13418	US-PATENT-3,699,645 ••••••••••••••••••••••••••••••••••••		US-PATENT-CLASS-317-101A
	US-PATENT-APPL-SN-50208	c23 N73-13661	US-PATENT-3,700,961
	US-PATENT-CLASS-92-49		NASA-CASE-MSC-12404-1 US-PATENT-APPL-SN-142662
	US-PATENT-CLASS-137-81 US-PATENT-CLASS-137-487.5		US-PATENT-CLASS-356-106S
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C14 N/3-13420	NASA-CASE-NPO-11418-1 US-PATENT-APPL-SN-193947		US-PATENT-APPL-SN-59894
	US-PATENT-CLASS-333-81B		US-PATENT-CLASS-250-51.5 US-PATENT-CLASS-250-52
	US-PATENT-CLASS-333-98R		UC_DAMENM_ 2 7A2 A22
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	WS-PATENT-APPL-SN-310616		US-PATENT-CLASS-60-240
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	US-PATENT-APPL-SN-170440 US-PATENT-CLASS-137-81.5		US-PATENT-CLASS-244-139
	US-PATENT-CLASS-137-608	c32 N73-13921	US-PATENT-3,700,192 ••••••••••••••••••••••••••••••••••••
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c32 N73-13929			US-PATENT-APPL-SN-318152
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	US-PATENT-APPL-SN-301418		US-PATENT-CLASS-317-235K
c07 N73-14130			US-PATENT-CLASS-331-90 US-PATENT-CLASS-331-107G
	DS-PATENT-CLASS-343-782		US-PATENT-CLASS-331-177R
	US-PATENT-CLASS-343-837		US-PATENT-3,694,771
	US-PATENT-CLASS-343-915 US-PATENT-3,705,406	c10 N73-15255	
c07 N73-14171	NASA-CASE-PRC-10071-1	c14 N73-15474	
	US-PATENT-APPL-SN-307727	45 45500	US-PATENT-APPL-SN-322998
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	US-PATENT-CLASS-250-211J	A.	US-PATENT-APPL-SN-326198
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	US-PATENT-3,137,082		US-PATENT-CLASS-23-254R
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	US-PATENT-CLASS-29-203V	C10 H75-10205	US-PATENT-APPL-SN-101354
	US-PATENT-CLASS-219-101		US-PATENT-CLASS-325-346
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	US-PATENT-CLASS-174-52S		US-PATENT-CLASS-343-100SA
	US-PATENT-CLASS-317-234A US-PATENT-CLASS-317-234G		US-PATENT-CLASS-343-853 US-PATENT-3,710,329
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C13 M73 14400	US-PATENT-APPL-SN-302681		US-PATENT-APPL-SN-808822
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	US-PATENT-CLASS-106-55		US-PATENT-CLASS-315-153
	US-PATENT-CLASS-106-58		US-PATENT-CLASS-340-25
	US-PATENT-CLASS-106-63 US-PATENT-CLASS-264-DIG.36		US-PATENT-CLASS-340-27R US-PATENT-3,708,671
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	US-PATENT-APPL-SN-104048 US-PATENT-CLASS-74-2		US-PATENT-CLASS-149-36 US-PATENT-3,708,359
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c03 N73-17037	US-PATENT-3,708,419		US-PATENT-APPL-SN-331759
CO3 #73-17037	·························NASA-CASE-MFS-20761-1 US-PATENT-APPL-SN-326327	c02 N73-20008	NASA-CASE-LAR-11140-1 US-PATENT-APPL-SN-315068
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	US-PATENT-APPL-SN-327921	c03 N73-20041	NASA-CASE-MSC-12394-1 US-PATENT-APPL-SN-341662
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	US-PATENT-CLASS-318-489 US-PATENT-3,711,042	c07 N73-20175	US-PATENT-3,715,663 NASA-CASE-KSC-10698
c09 N73-19234	••••••••••••••••••••••••••••••••••••••		US-PATENT-APPL-SN-213949
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	US-PATENT-CLASS-343-839 US-PATENT-CLASS-343-854	c07 N73-20176	US-PATENT-3,715,660
	US-PATENT-CLASS-343-895	100, 11,0	US-PATENT-APPL-SN-212921
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	US-PATENT-APPL-SN-116777 US-PATENT-CLASS-317-235AM		US-PATENT-CLASS-340-163
	US-PATENT-CLASS-317-235N	c07 N73-20180	US-PATENT-3,715,723NASA-CASE-NPO-13103-1
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	US-PATENT-CLASS-250-217R US-PATENT-3,712,195	c09 N73-20231	NASA-CASE-ARC-10264-1 US-PATENT-APPL-SN-80368
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	US-PATENT-CLASS-73-84		US-PATENT-CLASS-330-86 US-PATENT-CLASS-330-109
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	US-PATENT-CLASS-423-446 US-PATENT-CLASS-423-625		US-PATENT-CLASS-330-35
c15 N73-10/150	US-PATENT-3,714,332		US-PATENT-CLASS-330-40 US-PATENT-CLASS-330-80T
3.5 A.3 13430	US-PATENT-APPL-SN-201782	c09 N73-20238	US-PATENT-3,715,693NASA-CASE-NPO-13138-1
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	US-PATENT-APPL-SN-244440	c10 N73-20254	US-PATENT-3,714,405 NASA-CASE-NPO-11868

	US-PATENT-APPL-SN-192101	c05 N73-22045	NASA-CASE-MSC-14180-1
	US-PATENT-CLASS-307-221R US-PATENT-CLASS-328-37	c05 N73-22048	US-PATENT-APPL-SN-354406
	US-PATENT-CLASS-328-61		US-PATENT-APPL-SN-354611
	US-PATENT-CLASS-328-187 US-PATENT-3,718,863	c07 N73-22076	
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c10 N73-20259	US-PATENT-APPL-SN-240871 NASA-CASE-NPO-10764-2		NASA-CASE-NPO-13159 US-PATENT-APPL-SN-284245
	US-PATENT-APPL-SN-836280	c09 N73-22151	
c11 N73-20267	NASA-CASE-MPS-21362 US-PATENT-APPL-SN-211411	c14 N73-22386	US-PATENT-APPL-SN-354407
	US-PATENT-CLASS-73-432SD	c14 N73-22387	US-PATENT-APPL-SN-354612 NASA-CASE-LAR-11173-1
c14 N73-20474	US-PATENT-3,714,833 NASA-CASE-ERC-10350	• • • • • • • • • • • • • • • • • • • •	US-PATENT-APPL-SN-354408
	US-PATENT-APPL-SN-55535 US-PATENT-CLASS-340-27B	c14 N73-22388	
	US-PATENT-3,714,624	c15 N73-22415	NASA-CASE-LEW-11484-1
c14 N73-20475	NASA-CASE-LAR-10726-1 US-PATENT-APPL-SN-146935	c15 N73-22417	US-PATENT-APPL-SN-356554NASA-CASE-MPS-21606-1
	US-PATENT-CLASS-250-83.3H	c17 N73-22474	US-PATENT-APPL-SN-356555 NASA-CASE-LEW-11179-1
	US-PATENT-CLASS-250-231 US-PATENT-3,714,432	C17 N73-22474	US-PATENT-APPL-SN-357312
c14 N73-20476	NASA-CASE-MFS-20673 US-PATENT-APPL-SN-94049	c23 N73-22630	NASA-CASE-MFS-21672-1 US-PATENT-APPL-SN-354060
	US-PATENT-CLASS-73-90	c27 N73-22710	NASA-CASE-NPO-10893
	US-PATENT-CLASS-73-91 US-PATENT-3,714,821		US-PATENT-APPL-SN-845584 US-PATENT-CLASS-260-94.8
c14 N73-20477	NASA-CASE-ARC-10443-1	00 270 00704	US-PATENT-3,634,383
	US-PATENT-APPL-SN-128419 US-PATENT-CLASS-250-83.3R	c28 N73-22721	US-PATENT-APPL-SN-352381
	US-PATENT-CLASS-250-83R	c02 N73-22975	
c14 N73-20478	US-PATENT-3,715,590 NASA-CASE-NPO-10985	c07 N73-23106	NASA-CASE-NPO-13081-1
	US-PATENT-APPL-SN-74759 US-PATENT-CLASS-73-194E	c07 N73-23118	US-PATENT-APPL-SN-345372
	US-PATENT-CLASS-324-30R		US-PATENT-APPL-SN-359039
	US-PATENT-CLASS-324-65P US-PATENT-3,712,132	c09 N73-23290	
c14 N73-20483	NASA-CASE-LAR-11139-1	c09 N73-23291	NASA-CASE-GSC-11744-1
c14 N73-20487	US-PATENT-APPL-SN-287149 NASA-CASE-MFS-21556-1	c14 N73-23525	US-PATENT-APPL-SN-353162
	US-PATENT-APPL-SN-340791	c14 N73-23526	US-PATENT-APPL-SN-359157
c15 N73-20514	NASA-CASE-NPO-11213 US-PATENT-APPL-SN-78703		US-PATENT-APPL-SN-359156
	US-PATENT-CLASS-195-127 US-PATENT-3,713,987	c14 N73-23527	
c15 N73-20525	NASA-CASE-MFS-21680-1	c15 N73-23552	NASA-CASE-MFS-21846-1
	NASA-CASE-MFS-21681-1 US-PATENT-APPL-SN-343607	c15 N73-23553	US-PATENT-APPL-SN-359958
c15 N73-20526	NASA-CASE-LAR-10409-1	c18 N73-23629	US-PATENT-APPL-SN-347952
c15 N73-20533	US-PATENT-APPL-SN-340864 NASA-CASE-LEW-11076-2		US-PATENT-APPL-SN-348422
c15 N73-20534	US-PATENT-APPL-SN-346483	c26 N73-23770	
C15 N/3-20554	US-PATENT-APPL-SN-346341	c07 N73-24176	NASA-CASE-NPO-11751
c15 N73-20535			US-PATENT-APPL-SN-192141 US-PATENT-CLASS-343-DIG.2
c32 N73-20740	NASA-CASE-LAR-10765-1		US-PATENT-CLASS-343-915 US-PATENT-3,729,743
	US-PATENT-APPL-SN-138230 US-PATENT-CLASS-73-88A	c07 N73-24187	NASA-CASE-GSC-11388-1
	US-PATENT-CLASS-356-32 US-PATENT-3,715,915	COS N73-24236	US-PATENT-APPL-SN-306980
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	US-PATENT-APPL-SN-107659 US-PATENT-CLASS-350-202	c14 N73-24472	
	US-PATENT-3,715,152		US-PATENT-CLASS-136-225
c24 N73-20763		c14 N73-24473	US-PATENT-3,729,343
c28 N73-20826	NASA-CASE-ARC-10712-1		US-PATENT-APPL-SN-162101 US-PATENT-CLASS-128-206F
c31 N73-20880	US-PATENT-APPL-SN-344410 NASA-CASE-LAR-10788-1		US-PATENT-CLASS-324-78E
	US-PATENT-APPL-SN-340865	C15 N73-26513	US-PATENT-3,729,676
c33 N73-20931	US-PATENT-APPL-SN-336319	013 473 24313	US-PATENT-APPL-SN-120241
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c08 N73-21199	US-PATENT-APPL-SN-347953 NASA-CASE-ARC-10466-1	C1/ N/3-24569	
	US-PATENT-APPL-SN-352382		US-PATENT-CLASS-204-192 US-PATENT-3,732,158
	NASA-CASE-MSC-14240-1 US-PATENT-APPL-SN-351929	c28 N73-24783	NASA-CASE-NPO-11880
c14 N73-21390			US-PATENT-APPL-SN-209535 US-PATENT-CLASS-60-202
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-	US-PATENT-APPL-SN-350250 NASA-CASE-MFS-21244-1		US-PATENT-CLASS-313-63 US-PATENT-CLASS-313-231
CZU N/3-21323	US-PATENT-APPL-SN-350249		US-PATENT-3,728,861

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	US-PATENT-APPL-SN-147996	US-PATENT-CLASS-254-156
	US-PATENT-CLASS-60-254	US-PATENT-3,729,068 c15 N73-25513 NASA-CASE-GSC-11205-1
	US-PATENT-CLASS-60-256	US-PATENT-APPL-SN-107376
	US-PATENT-CLASS-102-49.7	US-PATENT-CLASS-188-266
	US-PATENT-CLASS-102-49.8	US-PATENT-CLASS-244-1SA
COS N73-25129	US-PATENT-3,729,935 NASA-CASE-MFS-20332-2	ΠC=DAMPNM-3 737 440
200 273 23123	US-PATENT-APPL-SN-195061	C16 N/3-25564 NASA-CASE-LAR-11341-1
	US-PATENT-APPL-SN-869260	US-PATENT-APPL-SN-367293
	US-PATENT-CLASS-2-2.1A	MADA CASE-11100-1
	US-PATENT-CLASS-128-142.5	US-PATENT-APPL-SN-175852 US-PATENT-CLASS-60-202
	US-PATENT-CLASS-137-538	US-PATENT-CLASS-80-202
CO7 N73-25160	US-PATENT-3,720,208NASA-CASE-ARC-10097-2	US-PATENT-CLASS-313-231
CO7 N73-23100	US-PATENT-APPL-SN-115083	10 Dimens D 00
	US-PATENT-APPL-SN-768662	C28 N73-25816
	US-PATENT-CLASS-325-45	US-PATENT-APPL-SN-363691 c33 N73-25952 NASA-CASE-LEW-10359-2
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	US-PATENT-CLASS-340-258R US-PATENT-3,719,891	US-PATENT-CLASS-60-267
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	US-PATENT-APPL-SN-196399	US-PATENT-CLASS-102-105
	US-PATENT-CLASS-343-6.5R	US-PATENT-CLASS-244-117A US-PATENT-3,720,075
	US-PATENT-CLASS-343-6.8R	CO2 N73-26004 NASA-CASE-LAR-10682-1
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200 1110 20200	US-PATENT-APPL-SN-155565	US-PATENT-CLASS-244-75A
	US-PATENT-CLASS-235-10.2	US-PATENT-CLASS-244-76C
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	US-PATENT-CLASS-235-151.27	US-PATENT-CLASS-244-13
40 450 0504	#S-DATENT-3 720 420	US-PATENT-CLASS-244-46 US-PATENT-CLASS-244-55
C10 N/3-2524C	NASA-CASE-MSC-12428-1	IIC_DAMPHIC C. TOT 404
	US-PATENT-APPL-SN-170681	c02 N73-26006 NASA-CASE-MSC-12393-1
	US-PATENT-CLASS-179-1SA US-PATENT-CLASS-235-151.31	US-PATENT-APPL-SN-203405
	US-PATENT-CLASS-324-77R	US-PATENT-CLASS-9-2A
	US-PATENT-CLASS-324-78J	US-PATENT-CLASS-9-3
a10 N72-25201	US-PATENT-3,732,405	US-PATENT-CLASS-9-11A US-PATENT-CLASS-114-122
C10 N7,3-23241		US-DATENT-2 724 402
	US-PATENT-APPL-SN-180683 US-PATENT-CLASS-325-67	CU2 N/3-2600/ NASA-CASE-LAR-11252-1
	US-PATENT-CLASS-325-363	US-PATENT-APPL-SN-367268 c02 N73-26008 NASA-CASE-LAR-11087-1
-40 572 05052	HS=DATFNT_2 727 704	II S = DATENT = ADDI = CN = 367367
C10 N/3-25243	NASA-CASE-MFS-21919-1	c03 N73-26047 NASA-CASE-LAR-11174-1
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	US-DATENT-3 725 204	US-PATENT-APPL-SN-371322 c05 N73-26071 NASA-CASE-ARC-10599-1
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	US-PATENT-APPL-SN-233098	US-PATENT-CLASS-2-2.1
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	US-PATENT-APPL-SN-212165	US-PATENT-CLASS-62-207
	US-PATENT-CLASS-73-189	US-PATENT-CLASS-62-209 US-PATENT-CLASS-62-259
C14 N73-25/61	US-PATENT-3,731,531	US-PATENT-CLASS-165-46
C14 873-23461	MASA-CASE-KSC-10108	HS-PATENT-3 736 764
	US-PATENT-APPL-SN-73922 US-PATENT-CLASS-343-6.8R	CUS N/3-260/2 NASA-CASE-ARC-10329-1
	US-PATENT-CLASS-343-14	US-PATENT-APPL-SN-159857
	US-PATENT-CLASS-343-17.5	US-PATENT-CLASS-128-2.1R
a4# N73 35#40	US-PATENT-3,732,567	US-PATENT-CLASS-351-23 US-PATENT-CLASS-351-30
C14 M/3-23462	••••••••••••••••••••••••••••••••••••••	US-PATENT-CLASS-351-36
	US-PATENT-APPL-SN-212900 US-PATENT-CLASS-250-83.3H	US-PATENT-3,737,217
	US-PATENT-CLASS-250-203R	c06 N73-26100 NASA-CASE-GSC-11358-1
	US-PATENT-CLASS-250-214	US-PATENT-APPL-SN-226551
	US-PATENT-CLASS-250-214	US-PATENT-CLASS-260-46.5R US-PATENT-3,733,350
	US-PATENT-CLASS-356-152	CO/ N/3-26117 NASA-CASE-KSC-10392
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	US-PATENT-CLASS-356-110	US-PATENT-CLASS-343-883 US-PATENT-CLASS-343-889
c1# N73-25#67	US-PATENT-3,729,260	US-PATENT-CLASS-343-889
	NASA-CASE-MFS-21728-1 US-PATENT-APPL-SN-361907	US_DATENT_ 2 727 012
c15 N73-25512	••••••••••••••••••••••••••••••••••••••	CO7 N73-26118 NASA-CASE-NPO-11548
	US-PATENT-APPL-SN-99201	US-PATENT-APPL-SN-151411
	US-PATENT-CLASS-24-134R	US-PATENT-CLASS-179-15A US-PATENT-CLASS-179-15BM
	US-PATENT-CLASS-182-5	US-PATENT-CLASS-325-40
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	US-PATENT-CLASS-343-204		US-PATENT-CLASS-137-582
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	US-PATENT-APPL-SN-89210		US-PATENT-APPL-SN-372149
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	US-PATENT-CLASS-235-152 US-PATENT-CLASS-235-164	c26 N73-26751	NASA-CASE-MFS-20675
	US-PATENT-CLASS-328-167		US-PATENT-APPL-SN-200085 US-PATENT-CLASS-250-219TH
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000 1175 20170	US-PATENT-APPL-SN-153543		US-PATENT-CLASS-356-161 US-PATENT-CLASS-356-202
	US-PATENT-CLASS-340-172.5		US-PATENT-3.737.237
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	US-PATENT-APPL-SN-93329		US-PATENT-CLASS-29-599
	US-PATENT-CLASS-333-73R US-PATENT-CLASS-333-73S		US-PATENT-CLASS-156-18
	US-PATENT-CLASS-333-82A		US-PATENT-CLASS-174-DIG.6 US-PATENT-CLASS-336-DIG.1
	US-PATENT-CLASS-333-84M		US-PATENT-CLASS-336-200
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c00 N72-26107	US-PATENT-APPL-SN-370505		IIS-PATENT-APPISN-36729h
CV 9 N/3-2019/		C31 N/3-2687.6	NASA-CASE-MFS-20863 US-PATENT-APPL-SN-159966
c09 N73-26198	•••••• NASA-CASE-GSC-11560-1		US-PATENT-CLASS-244-1SD
c09 N73-26199	US-PATENT-APPL-SN-361906		US-PATENT-CLASS-244-137P
-10 *72 26222	US-PATENT-APPL-SN-373588	c31 N73-26879	
c10 N73-26228	NASA-CASE-ERC-10403-1 US-PATENT-APPL-SN-253405	G32 N73-26010	US-PATENT-APPL-SN-370582 ••••••• NASA-CASE-LAR-10756-1
	US-PATENT-CLASS-317-DIG.6	C32 N/3 2031C	US-PATENT-APPL-SN-160859
	US-PATENT-CLASS-321-11 US-PATENT-CLASS-321-45C		US-PATENT-CLASS-73-67.3
44 70 64000	US-PATENT-3,737,757		US-PATENT-CLASS-73-88.5R US-PATENT-CLASS-73-91
C10 N/3-26229			US-PATENT-CLASS-235-92MT
	US-PATENT-CLASS-307-220	c33 N73-26958	US-PATENT-3,733,424 •••••••••••••••••••••••••••••••••••
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	US-PATENT-APPL-SN-254177 US-PATENT-CLASS-235-186	COU N72-27052	US-PATENT-3.737.181
	US-PATENT-CLASS-235-194	004 873-27032	NASA-CASE-GSC-11092-2 US-PATENT-APPL-SN-60950
	US-PATENT-CLASS-235-197 US-PATENT-3,737,639		US-PATENT-APPL-SN-139250
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c10 N73-26232	US-PATENT-APPL-SN-362146NASA-CASE-MSC-14130-1	c05 N73-27062	NASA-CASE-LEW-11669-1
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	US-PATENT-CLASS-180-6.5		US-PATENT-CLASS-128-2 US-PATENT-CLASS-128-24A
	US-PATENT-CLASS-180-7R		US-PATENT-CLASS-128-305
	US-PATENT-CLASS-180-8A US-PATENT-CLASS-186-9.2R	c06 N73-27086	US-PATENT-3,736,938
	US-PATENT-CLASS-180-9.5		US-PATENT-APPL-SN-710621
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	US-PATENT-CLASS-305-39	c07 N73-27106	US-PATENT-3,745,089 NASA-CASE-NPO-13140-1
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	US-PATENT-APPL-SN-101214		••••••••••••••••••••••••••••••••••••••
	US-PATENT-CLASS-219-50 US-PATENT-CLASS-219-499	c09 N73-27150	NASA-CASE-ERC-10224-2
	US-PATENT-3.733.463		US-PATENT-APPL-SN-221833 US-PATENT-APPL-SN-868775
C14 N73-26431	NASA-CASE-MSC-12363-1 US-PATENT-APPL-SN-125236		US-PATENT-CLASS-29-580
	US-PATENT-CLASS-95-1.1		US-PATENT-CLASS-317-234G US-PATENT-CLASS-317-234L
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JI- 813-20432	US-PATENT-APPL-SN-24155		US-PATENT-CLASS-317-234N US-PATENT-CLASS-317-234R
	US-PATENT-CLASS-250-209		US-PATENT-3.742.316
	US-PATENT-CLASS-340-15.5GC US-PATENT-CLASS-343-100HE	c09 N73-27153	••••• NASA-CASE-KSC-10769-1
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C14 N/3-26442	NASA-CASE-MFS-22128-1 US-PATENT-APPL-SN-367292		US-PATENT-APPL-SN-241614
c15 N73-26472	NASA-CASE-KSC-10639		US-PATENT-CLASS-330-70CR US-PATENT-CLASS-331-17
	US-PATENT-APPL-SN-181023 US-PATENT-CLASS-137-397		US-PATENT-CLASS-331-25
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c14 N73-27376	NASA-CASE-HQN-10037-1		US-PATENT-APPL-SN-172807
	US-PATENT-APPL-SN-235957		US-PATENT-CLASS-179-15FS
	US-PATENT-CLASS-73-28		US-PATENT-CLASS-325-419
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	US-PATENT-APPL-SN-156725	c07 N73-28013	NASA-CASE-GSC-11046-1
	US-PATENT-CLASS-35-12C		US-PATENT-APPL-SN-182399
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	US-PATENT-CLASS-244-1SS		US-PATENT-3,747,111
	US-PATENT-CLASS-244-135	COS N73-28045	
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	US-PATENT-CLASS-179-175.1A	007 1175 20005	US-PATENT-APPL-SN-114873
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	US-PATENT-3,744,294		US-PATENT-CLASS-29-628
~44 N73.07300			US-PATENT-CLASS-29-629
C14 N/3-2/380		1	US-PATENT-CLASS-29-630
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	US-PATENT-CLASS-53-22A	1	US-PATENT-APPL-SN-471154
	US-PATENT-CLASS-53-112A	1	US-PATENT-CLASS-178-69.5
	US-PATENT-CLASS-219-348	I	US-PATENT-3,402,265
	US-PATENT-3,745,739	c11 N73-28128	NASA-CASE-LEW-11390-3
C15 N73-27406	NASA-CASE-NPO-11377		US-PATENT-APPL-SN-380046
	US-PATENT-APPL-SN-187262	c12 N73-28144	NASA-CASE-LAR-10612-1
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	US-PATENT-CLASS-137-154	1	US-PATENT-CLASS-73-147
	US-PATENT-CLASS-137-604	1	US-PATENT-3,744,305
-15 772 27407	US-PATENT-3,744,510	C12 N/3-281/9	
c15 N73-27407		c14 N73-28486	US-PATENT-APPL-SN-385522
-46 372 27424	US-PATENT-APPL-SN-372143	C14 N/3-28486	
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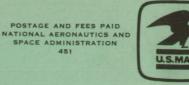
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