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2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

Copies of these specifications cannot be supplied until the applications have been accepted and advertised, or in the case of convention applications, until 18 months from the date of the application in the convention

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

- APPLIED ON 2023/12/18 -

2023/11550 ~ Complete ~54:COMPOSITION FOR PREVENTING AND CONTROLLING YAM NEMATODES AND APPLICATION THEREOF ~71:Institute of Agricultural Applied Microbiology, Jiangxi Academy of Agricultural Sciences, No.602 Nanlian Road, Qingyunpu district, Nanchang City, Jiangxi Province, People's Republic of China ~72: FAN Linjuan;LIU Zirong;WU Caiyun;XU Xueliang;YAO Yingjuan;YAO Jian;ZHANG Fan~

2023/11573 ~ Complete ~54:ARYL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THAT MODULATE IKZF2 ~71:PLEXIUM, INC., 9330 Scranton Road, Suite 500, San Diego, United States of America ~72: BAILEY, Simon;YANG, Pengyu~ 33:US ~31:63/220,323 ~32:09/07/2021;33:US ~31:63/314,992 ~32:28/02/2022

2023/11589 ~ Complete ~54:ENHANCED CHANNEL SOUNDING PROTOCOLS FOR WLAN SYSTEMS ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: LIN, Zinan;LOU, Hanqing;SAAD, Mahmoud;WANG, Xiaofei;YANG, Rui~ 33:US ~31:63/212,329 ~32:18/06/2021;33:US ~31:63/252,854 ~32:06/10/2021

2023/11600 ~ Complete ~54:SYSTEM FOR PROCESSING BIOMASS, NUTRIENT RECYCLING, AND CELLULAR AGRICULTURE ~71:RABANI, Eli, Michael, 20919 Abalar St. Woodland Hills, United States of America ~72: RABANI, Eli, Michael~ 33:US ~31:63/190,236 ~32:18/05/2021

2023/11552 ~ Complete ~54:DIGITAL TOUR ROUTE CUSTOMIZATION MANAGEMENT SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: JIA, Faxian;LAN, Na;LONG, Dan;QIAO, Jiabin;YANG, Lu;YU, Huixia~

2023/11556 ~ Complete ~54:SYSTEM FOR MEASURING PROPORTIONS OF COMPONENTS OF COMPOSITE MATERIAL BASED ON GAMMA RAYS ~71:Southwest University, Southwest University, No. 2, Tiansheng Road, Beibei District, Chongqing, 400715, People's Republic of China ~72: LI, Jiaying~

2023/11562 ~ Complete ~54:IMPROVEMENTS IN STONE CRUSHING EQUIPMENT ~71:SUTHERLAND, Richard Keith, 26 Mona Vale Street, New Zealand ~72: SUTHERLAND, Richard Keith~ 33:NZ ~31:795915 ~32:21/12/2022

2023/11567 ~ Complete ~54:APPLICATION OF FLUOROPYRIDOXAL IN PREPARING MEDICINE FOR COPING WITH CANCER ~71:FIRST AFFILIATED HOSPITAL OF CHONGQING MEDICAL UNIVERSITY, No.1 Youyi Road, Yuzhong District, Chongqing, 400016, People's Republic of China ~72: LI Ruonan;LINGHU Hua~ 33:CN ~31:202211136057.5 ~32:19/09/2022

2023/11582 ~ Complete ~54:LITHIUM BATTERY POSITIVE ELECTRODE MATERIAL PRECURSOR, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:CHINA PETROLEUM &

CHEMICAL CORPORATION, 22 Chaoyangmen North Street, Chaoyang District,, People's Republic of China;SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, 1658 Pudong Bei Road, Pudong New Area, People's Republic of China ~72: CHEN, Fang;GAO, Huanxin;WANG, Biwei;ZHANG, Tongbao;ZHANG, Yu;ZHU, Ye~ 33:CN ~31:202110545464.0 ~32:19/05/2021

2023/11593 ~ Complete ~54:SYSTEMS AND METHODS FOR POWER GENERATION, TRANSMISSION, AMPLIFICATION AND/OR STORAGE ~71:GREEN LAB IP NOMINEE PTY LTD, Level 13, 60 Castlereagh Street, Australia ~72: EDMONDS, Glenn;FRENCH, Andrew;FRENCH, Eon~ 33:AU ~31:2021901797 ~32:16/06/2021;33:AU ~31:2022901379 ~32:23/05/2022

2023/11598 ~ Complete ~54:FORMING PROCESS FOR ULTRA-LARGE-DIAMETER ANNULAR REINFORCING MESH COMPONENT ~71:CCCC HIGHWAY BRIDGES NATIONAL ENGINEERING RESEARCH CENTER CO., LTD., Room 302,85,Deshengmenwai Street, Xicheng District, Beijing, 100088, People's Republic of China;CCCC SECOND HARBOR ENGINEERING CO., LTD., No.11 Jinyinhu Road, Dongxihu District, Wuhan City, Hubei, 430040, People's Republic of China;CCCC WUHAN HARBOUR ENGINEERING DESIGN AND RESEARCH CO., LTD., No.11 Jinyinhu Road, Dongxihu District, Wuhan City, Hubei, 430040, People's Republic of China ~72: BIN CHEN;CHANGWEN YU;CHENYANG FAN;DAOHUI PAN;DONGDONG LI;FEI YI;HAO XIA;HAO XIAO;HONG ZHANG;JIAN HUANG;MAOLIN CHENG;MING CHEN;MINGQING ZHU;QIFENG DONG;SHUANGQIAO YAN;TAO LI;TONGHENG TU;WEI TIAN;XIAOPING ZHANG;XIAOTAO HUA;XIAOYU JI;XIUCHENG LIU;XIULI YANG;XUEFENG WU;YIPENG ZHANG;YONGTAO ZHANG;ZHENGLIN GUAN;ZHIJIAN LENG;ZHIYAO FANG;ZHONGZHENG WU~ 33:CN ~31:202110661983.3 ~32:15/06/2021

2023/11544 ~ Provisional ~54:COMMUNICATIONS AND AI SYSTEM SOUTH AFRICA (FICAISSA) ~71:arthur gert nieklaassen, Endeman Street, Dawnpark, Boksburg, South Africa, South Africa;arthur gert nieklaassen, Endeman Street, Dawnpark, Boksburg, South Africa, South Africa ~72: arthur gert nieklaassen~ 33:ZA ~31:17/12/23 ~32:30/11/2023

2023/11547 ~ Provisional ~54:PEST CONTROL ~71:INSECT SCIENCE (PTY) LTD, 9 Industria Street, New Industrial area, Tzaneen 0850, Limpopo Province, SOUTH AFRICA, South Africa ~72: BOOYSEN, Petrus Johannes Gerhardus;STEYN, Vernon Murray;VAN NIEKERK, John Peter~

2023/11570 ~ Complete ~54:SYSTEMS AND METHODS FOR SIGNAL MODULATION OF A PLURALITY OF DOWNLINK SIGNALS REPRESENTATIVE OF A COMMUNICATION SIGNAL ~71:KRATOS INTEGRAL HOLDINGS, LLC, 10680 TREENA STREET, 6TH FLOOR, SAN DIEGO, CALIFORNIA 92131, USA, United States of America ~72: JARRIEL, Jeffrey, David;KING, Brandon, Gregory;STOLTENBERG, Matthew, James;SUTTON, Daniel, Joseph~

2023/11572 ~ Complete ~54:MINERAL POWDER PELLET DRYING DEVICE ~71:North China University of Science and Technology, #21 Bohai Road, Caofeidian Xincheng, Tangshan, People's Republic of China ~72: Li Jie;Li Yifan;Xue Tao;Yang Aimin;Yu Fuxing~ 33:CN ~31:202310552104.2 ~32:17/05/2023

2023/11576 ~ Complete ~54:ANTI-TGF-BETA ANTIBODY FORMULATIONS AND THEIR USE ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: BANGARI, Kiran Rana;LATYPOV, Ramil;MCCOY, Timothy;PATKE, Sanket~ 33:US ~31:63/212,473 ~32:18/06/2021

2023/11581 ~ Complete ~54:STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Aurélien BESSON;Laurence DOSDAT;Pascale SANZEY;Tarek KRIM;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2021/057035 ~32:02/08/2021

2023/11571 ~ Complete ~54:SYSTEMS AND METHODS FOR CHANNEL SIMULATION OF SIGNALS REPRESENTATIVE OF A COMMUNICATION SIGNAL ~71:KRATOS INTEGRAL HOLDINGS, LLC, 10680 TREENA STREET, 6TH FLOOR, SAN DIEGO, CALIFORNIA 92131, USA, United States of America ~72: JARRIEL, Jeffrey, David;KING, Brandon, Gregory;STOLTENBERG, Matthew, James;SUTTON, Daniel, Joseph~

2023/11575 ~ Complete ~54:COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Astrid GREGOIRE;Christian ALLELY;Matthieu AMBLARD;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2021/057033 ~32:02/08/2021

2023/11578 ~ Complete ~54:STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Aurélie BESSON;Laurence DOSDAT;Pascale SANZEY;Tarek KRIM;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2021/057036 ~32:02/08/2021

2023/11583 ~ Complete ~54:ANTIMICROBIAL PACKAGING ~71:SUPERIOR SPECIAL PROJECTS (PTY) LTD, Old Mill Road Nadene, South Africa ~72: Mark WILLIAMS~ 33:ZA ~31:2021/07306 ~32:29/09/2021

2023/11585 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INSECTS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: CHEN, Jeng Shong;HE, Chengkun;LI, Jianquan~ 33:US ~31:63/223,599 ~32:20/07/2021

2023/11548 ~ Complete ~54:A WATER QUALITY DETECTION DEVICE ~71:CHUZHOU UNIVERSITY, No. 2 Langya West Road, Chuzhou, Anhui Province, People's Republic of China ~72: He Shixing;Liu Fei;Lv Riqin;Yin Peifeng;Zhang Weiwei;Zhu Shuangjie~

2023/11566 ~ Complete ~54:APPARATUS AND METHOD FOR DETECTING HOLIDAYS IN LINERS ~71:SOLMAX INTERNATIONAL INC., 2801 Boul. Marie-Victorin, Canada ~72: YOUNGBLOOD, Jimmie Gordon, Jr.~ 33:WO ~31:PCT/IB2021/000399 ~32:02/06/2021

2023/11551 ~ Complete ~54:A VACUUM ISOTHERMAL FORGING PROCESS AND DEVICE SUITABLE FOR HIGH TEMPERATURE TITANIUM-BASED MATERIALS ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Changjiang ZHANG;Dong LIU;Fan PENG;Hong FENG;Kun LUO;Xiaojian LIANG~ 33:CN ~31:2022116429990 ~32:20/12/2022

2023/11558 ~ Complete ~54:A COAL GANGUE-BASED FOAMED CERAMIC AND ITS PREPARATION METHOD ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Peisheng REN;Xiaomin WANG;Yongzhen WANG~

2023/11577 ~ Complete ~54:METHOD AND APPLICATION OF BIOCHAR PREPARATION FROM BIOMASS USING FREEZE-THAW CYCLING ~71:Anhui University of Science and Technology, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Li Feiyue;Li Xiaoliang;Li Zhong;Meng Fanbin;Tu Debao;Wang Jianfei;Wu Wenge;Xie Yue;Zhao Ziren~

2023/11595 ~ Complete ~54:DETECTION DEVICE AND DETECTION SYSTEM ~71:TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION, 3-1-1 Kyobashi, Chuo-ku, Tokyo, 104-0031, Japan ~72: SHUZO IKEDA~

2023/11603 ~ Complete ~54:ELECTRONIC ATOMIZATION LIQUID COMPOSITION AND PACKAGING CONTAINER THEREOF ~71:ZHANGJIAGANG ALIEN NEW MATERIAL TECHNOLOGY CO., LTD, Room 402A, Building A, Emerging Industry Development Center, Zhangjiagang Free Trade Zone, Suzhou, People's Republic of China ~72: Lin ZHANG~ 33:CN ~31:202110695874.3 ~32:23/06/2021

2023/11574 ~ Complete ~54:COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Astrid GREGOIRE~ 33:IB ~31:PCT/IB2021/057034 ~32:02/08/2021

2023/11579 ~ Complete ~54:COMPOSITIONS FOR DELIVERY OF AN ELEMENT TO A PLANT AND METHODS OF MAKING SAME ~71:LUCENT BIOSCIENCES, INC., 207-1425 Marine Drive, West Vancouver, Canada ~72: GROSS, Peter;NOURMOHAMMADIAN, Farahnaz~ 33:US ~31:63/220,115 ~32:09/07/2021

2023/11604 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD., Room 101, 8th Floor, Building 12, No. 16, Xierqi West Road, Haidian District, People's Republic of China ~72: CHEN, Wei;CHEN, Yi-Wen;JHU, Hong-Jheng;KUO, Che-Wei;WANG, Xianglin;XIU, Xiaoyu;YAN, Ning;YU, Bing~ 33:US ~31:63/193,593 ~32:26/05/2021

2023/11587 ~ Complete ~54:ERK1/2 AND EGFR INHIBITORS COMBINATION THERAPY ~71:Erasca, Inc., 3115 Merryfield Row, Suite 300, SAN DIEGO 92121, CA, USA, United States of America ~72: BRAIL, Leslie Harris;LEW, Erin Denise;LIN, Wei;MARTIN, Leenus;OH, Joanne;SHOEMAKER, Robert Field;ZHANG, Jingchuan~ 33:US ~31:63/214,765 ~32:24/06/2021;33:US ~31:63/236,635 ~32:24/08/2021;33:US ~31:63/277,547 ~32:09/11/2021;33:US ~31:63/279,877 ~32:16/11/2021;33:US ~31:63/321,605 ~32:18/03/2022

2023/11592 ~ Complete ~54:AGROCHEMICAL COMPOSITIONS COMPRISING A WETTING AGENT ~71:Adama Makhteshim Ltd., P. O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: DAHAN, Yogev;PERETZ, Yossef~ 33:US ~31:63/213,235 ~32:22/06/2021

2023/11596 ~ Complete ~54:DOSAGE REGIMENS FOR ECUBECTEDIN ~71:PHARMA MAR, S.A., Polgono Industrial La Mina Avda. de los Reyes, 1 Colmenar Viejo, E-28770, Madrid, Spain ~72: ARTURO SOTO;CARMEN KAHATT;CRISTIAN FERNANDEZ;PILAR LARDELLI~ 33:EP ~31:21382455.0 ~32:19/05/2021

2023/11597 ~ Complete ~54:WEC CONTROLLER, METHOD AND SYSTEM ~71:ENI S.P.A., Piazzale Enrico Mattei 1, 00144, Roma, Italy ~72: DANIELE VANZAN;ELISA CAPELLO;GIOVANNI BRACCO;GIULIANA MATTIAZZO;MASSIMO ZAMPATO;MAURO BONFANTI~ 33:IT ~31:102021000016634 ~32:24/06/2021

2023/11602 ~ Complete ~54:COMPOUND OF REACTION OF ALKALOID AND PHENOL, ATOMIZATION LIQUID, CARTOMIZER AND ELECTRONIC ATOMIZER ~71:ZHANGJIAGANG ALIEN NEW MATERIAL TECHNOLOGY CO., LTD, Room 402A, Building A, Emerging Industry Development Center, Zhangjiagang Free Trade Zone, Suzhou, People's Republic of China ~72: Ting FENG~ 33:CN ~31:202110558047.X ~32:21/05/2021

2023/11543 ~ Provisional ~54:PROVISIONAL PATENT EXTENSION FOR CCTV MONITORING AI TRAINING METHODOLOGY ~71:Michael Smorenburg, 23 Ottawa Road Camps Bay, South Africa ~72: Michael Smorenburg~

2023/11545 ~ Provisional ~54:COMMUNICATIONS AND AI SYSTEM SOUTH AFRICA (FICAISSA) ~71:arthur gert nieklaassen, Endeman Street, Dawnpark, Boksburg, South Africa, South Africa;arthur gert nieklaassen, Endeman Street, Dawnpark, Boksburg, South Africa, South Africa ~72: arthur gert nieklaassen~ 33:ZA ~31:17/12/23 ~32:30/11/2023

2023/11588 ~ Complete ~54:BOLTING ASSEMBLY FOR CONE CRUSHER ~71:Sandvik SRP AB, Stationsplan 1, SVEDALA 23381, SWEDEN, Sweden ~72: DAUTOVIC, Sukrija;GUNNARSSON, Johan~ 33:EP ~31:21180522.1 ~32:21/06/2021

2023/11599 ~ Complete ~54:COMPOUNDS USEFUL IN THE TREATMENT OR PREVENTION OF A PRMT5-MEDIATED DISORDER ~71:ARGONAUT THERAPEUTICS LIMITED, The Magdalen Centre, Oxford Science Park, Robert Robinson Avenue, United Kingdom ~72: LA THANGUE, Nicholas;MORLEY, Andrew;MUNRO, Shonagh~ 33:GB ~31:2108383.7 ~32:11/06/2021

2023/11584 ~ Complete ~54:HIGH-TOUGHNESS ULTRAHIGH-STRENGTH STEEL AND MANUFACTURING METHOD THEREFOR ~71:CENTRAL IRON & STEEL RESEARCH INSTITUTE, No. 76, Xueyuan South Road, Haidian District, Beijing, 100081, People's Republic of China ~72: CHEN, Jiayan;DING, Yali;GAO, Qi;LIU, Geng;NING, Jing;SU, Jie;WANG, Ao;YANG, Zhuoyue~ 33:CN ~31:202111425641.8 ~32:26/11/2021

2023/11591 ~ Complete ~54:CLEANING COMPOSITION COMPRISING BACTERIAL SPORES ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: LANT, Neil Joseph;LATIMER, Katherine Esther~ 33:EP ~31:21186295.8 ~32:19/07/2021

2023/11564 ~ Complete ~54:THREE-WAY PIPE FITTING PROCESSING DEVICE ~71:Hebei Century New Star Pipe Industry Co., Ltd, Buzhai, Mengcun Hui Autonomous County, Cangzhou City, Hebei Province, People's Republic of China ~72: Fan Xinglong~ 33:CN ~31:202311678095.8 ~32:08/12/2023

2023/11569 ~ Complete ~54:SYSTEMS AND METHODS FOR POST-DETECT COMBINING OF A PLURALITY OF DOWNLINK SIGNALS REPRESENTATIVE OF A COMMUNICATION SIGNAL ~71:KRATOS INTEGRAL HOLDINGS, LLC, 10680 TREENA STREET, 6TH FLOOR, SAN DIEGO, CALIFORNIA 92131, USA, United States of America ~72: JARRIEL, Jeffrey, David;KING, Brandon, Gregory;STOLTENBERG, Matthew, James;SUTTON, Daniel, Joseph~

2023/11594 ~ Complete ~54:A PLURALITY OF TASQUINIMOD PARTICLES AND USE THEREOF ~71:ACTIVE BIOTECH AB, Scheelevgen 22, 223 63, Lund, Sweden ~72: HANS WÄNNMAN~ 33:EP ~31:21175623.4 ~32:25/05/2021

2023/11549 ~ Complete ~54:A THERMOPLASTIC POLYURETHANE/PHOSPHOGYPSUM COMPOSITE MATERIAL AND A PREPARATION METHOD THEREOF AND ITS APPLICATION ~71:Guizhou Minzu University, Dongjia Weir in Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China;Wengfu (Group) Co., LTD, Guiyang City and Fuquan City Horse Farm Ping Office, Niuchang Town, Guiyang City, Guizhou Province, 550002, People's Republic of China ~72: Daohai ZHANG;Guilan LIU;Lianjun SHI;Qianlin CHEN;Tian XIE~

2023/11553 ~ Complete ~54:PEDAL REHABILITATION INSTRUMENT WITH SOUND WAVE THERAPY FUNCTION ~71:The Second People's Hospital of Lishui, No. 69 North Ring Road, Liandu District, Lishui City, Zhejiang Province, People's Republic of China ~72: WU Shaochang~

2023/11555 ~ Complete ~54:AN APPARATUS FOR MONITORING AND CONTROLLING WANDERING ANIMALS TO ENHANCE ROAD SAFETY ~71:Amol Anand Phatak, C 801, Aashray Apartments, 117/2/4/B-1, Near old IMS School, Shriram Chowk, Jule Solapur,, Solapur, MAHARASHTRA, 413007, India;Avinash Kashinath Lavnis, 584, South Kasba, Solapur, Solapur, MAHARASHTRA, 413007, India;Dr. Shrikant Jahagirdar, Nagesh Karajagi Orchid College of Engineering & Technology, Solapur, MAHARASHTRA, 413002, India;Dr. Vinayak Krishnaji Patki, Nagesh Karajagi Orchid College of Engineering & Technology, Solapur, MAHARASHTRA, 413002, India;Girish Jivaji Kulkarni, Nagesh Karajagi Orchid College of Engineering & Technology, Solapur, MAHARASHTRA, 413002, India ~72: Amol Anand Phatak;Avinash Kashinath Lavnis;Dr. Shrikant Jahagirdar;Dr. Vinayak Krishnaji Patki;Girish Jivaji Kulkarni~

2023/11559 ~ Complete ~54:AN OPTIMIZED ESTIMATION METHOD FOR THE MAINTENANCE RESOURCE REQUIREMENTS OF ELECTRONIC DEVICES, A CONTROL DEVICE, AND A READABLE STORAGE MEDIUM

~71:Southwest University, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Dong Tao;Li Jinhui;Lyu Meining;Qiu Junyi;Wang Jie;You Fengming~ 33:CN ~31:202311435233X ~32:31/10/2023

2023/11565 ~ Complete ~54:COMPOSITION AND METHOD FOR SYNTHESIS OF NATURAL MOSQUITO REPELLENT PRODUCT FROM SOYABEAN CAKE ~71:Dr. Amrut Gunwantrao Gaddamwar, Department of Chemistry, Amolkachand Mahavidyalaya, Godhani Road Yavatmal, Maharashtra, 445001, India;Dr.Vijay Hariram Masand, Department of Chemistry, Vidyabharati Mahavidyalaya, Camp road Amravati, Maharashtra, 444604, India;Magdi Elsayed Abdelsalam Zaki, Chemistry Department- Imam Mohammad ibn Saud Islamic University- Riyadh-KSA, Saudi Arabia;Sami Abdul Aziz Al-Hussain, Chemistry Department- Imam Mohammad ibn Saud Islamic University-Riyadh-KSA, Saudi Arabia ~72: Dr. Amrut Gunwantrao Gaddamwar;Dr.Vijay Hariram Masand;Magdi Elsayed Abdelsalam Zaki;Sami Abdul Aziz Al-Hussain~

2023/11554 ~ Complete ~54:AN AUTOMATIC CHESTNUT DEHUSKING DEVICE AND DEHUSKING METHOD ~71:Hebei Normal University of Science & Technology (, No.360, West Section of Hebei Street, Qinhuangdao, Hebei Province, People's Republic of China ~72: Chen Lidong;Cheng Hui;Li Guofang;Ren Xiaoguang;Yin Degang;Zheng Wanzhong~ 33:CN ~31:2023101354163 ~32:20/02/2023

2023/11557 ~ Complete ~54:DEVICE FOR ASSISTING PATIENTS TO RECOVER COGNITION BY SIMULATING FISHING ENVIRONMENT ~71:The Second People's Hospital of Lishui, No. 69 North Ring Road, Liandu District, Lishui City, Zhejiang Province, People's Republic of China ~72: YE Shiwei~

2023/11561 ~ Complete ~54:CONTACT MIXED CULTURE METHOD OF GLIAL CELLS AND NEURONS ~71:GUIZHOU MEDICAL UNIVERSITY, Department of Pathology, Affiliated Hospital of Guizhou Medical University, No. 28 Guiyi Street, Yunyan District, Guiyang City, People's Republic of China ~72: AI, Fujun;LIU, Yanjie;ZHOU, Xiao~

2023/11586 ~ Complete ~54:CELL BASED MULTILEVEL CONVERTER WITH MULTIPLE OPERATING MODES AND ASSOCIATED CONTROL METHOD ~71:Innomotics GmbH, Vogelweiherstraße 1-15, NÜRNBERG 90441, GERMANY, Germany ~72: MIHALACHE, Liviu~

2023/11590 ~ Complete ~54:SYSTEM AND METHOD FOR POSITION AND ORIENTATION DETECTION OF A DOWNHOLE DEVICE ~71:Aziwell AS, Sunnlandsvegen 2, TRONDHEIM 7032, NORWAY, Norway ~72: BORG, Eirik;CHRISTIANSEN (Deceased), Bjørn;RASMUSSEN, Tobias~ 33:NO ~31:20210892 ~32:09/07/2021

2023/11546 ~ Provisional ~54:MANGAUNG MARATHON ~71:Nkosinathi Singonzo, 435 Moshoeshoe Road, South Africa;Tankiso Seabo, 7017 Mohale Street, South Africa ~72: Nkosinathi Singonzo;Tankiso Seabo~

2023/11560 ~ Complete ~54:IMMEDIATE RELEASE FIXED-DOSE COMBINATION OF MEMANTINE AND DONEPEZIL ~71:TECNIMEDE- SOCIEDADE TÉCNICO-MEDICINAL, SA, RUA DA TAPADA GRANDE, N°2, ABRUNHEIRA, 2710-089 SINTRA, PORTUGAL, Portugal ~72: OLIVEIRA MACHUCO ESTEVENS, Maria, Catarina;PARDAL FILIPE, Augusto, Eugénio;SILVA MARQUES DA COSTA, Ricardo Manuel;SILVA SERRA, João, Pedro~ 33:PT ~31:115557 ~32:31/05/2019

2023/11563 ~ Complete ~54:STILLING VESSEL FOR SUBMERGED COMBUSTION MELTER ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: DAVID SOLEY;SHANE T RASHLEY~ 33:US ~31:16/590,068 ~32:01/10/2019

2023/11568 ~ Complete ~54:COSMETIC COMPOSITION COMPRISING AT LEAST ONE FATTY AMINE, AT LEAST 6% BY WEIGHT OF AT LEAST ONE SOLID FATTY SUBSTANCE AND AT LEAST ONE LIQUID FATTY SUBSTANCE ~71:L'OREAL, 14, rue Royale, France ~72: LE CHAUX, Virginie;MILLET, Estelle;TOULOUZAN, Cécile~ 33:FR ~31:2107907 ~32:22/07/2021

2023/11580 ~ Complete ~54:STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Aurélie BESSON;Christian ALLELY;Laurence DOSDAT;Pascale SANZEY;Tarek KRIM~ 33:IB ~31:PCT/IB2021/057038 ~32:02/08/2021

2023/11601 ~ Complete ~54:ELECTRONIC CIGARETTE USED IN CONJUNCTION WITH MOUTH AND NOSE ~71:ZHANGJIAGANG ALIEN NEW MATERIAL TECHNOLOGY CO., LTD, Room 402A, Building A, Emerging Industry Development Center, Zhangjiagang Free Trade Zone, Suzhou, People's Republic of China ~72: Lin ZHANG~ 33:CN ~31:202111118288.9 ~32:24/09/2021

- APPLIED ON 2023/12/19 -

2023/11623 ~ Complete ~54:HIGHWAY PAVEMENT LEVELING EQUIPMENT AND USING METHOD THEREOF ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HU Guoping;LI Hui;LIU Jiawei;PENG Lanshi;ZHANG Huiyuan;ZHANG Yongcun~

2023/11612 ~ Complete ~54:A METHOD FOR PREPARING A HIGHLY COMPATIBLE TACKIFIER FOR SILICONE RUBBER ~71:Xinnaqi Material Technology Jiangsu Co., Ltd., 3/F, Building B, Kechuang Park, No.36 Huada Road, Zhangjiagang Free Trade Zone, Suzhou City, Jiangsu Province, 215600, People's Republic of China ~72: Lina HU;Shoubin XU;Yue YU~

2023/11620 ~ Complete ~54:DIRECT POWER COMPENSATION SYSTEM FOR OIL RIG MICROGRIDS ~71:HARBIN INSTITUTE OF TECHNOLOGY, No.92 Xidazhi St., Nangang Harbin, People's Republic of China; HIT ROBOT GROUP, Jingbo Road, Dalian North Road, Pingfang District, Harbin, People's Republic of China ~72: DUAN, Jiangdong;FAN, Shaogui;LI, Yijia;SUN, Li;WANG, Luxiao;XIAO, Qian;ZHAO, Fang;ZHAO, Ke~ 33:CN ~31:202311522393.8 ~32:15/11/2023

2023/11625 ~ Complete ~54:PRECISE PESTICIDE APPLICATION SYSTEM AND METHOD FOR TREE ROOT ~71:Jiquan ZHANG, Hanjiaba Community, Chengguan Town, Wenxian County, Longnan City, People's Republic of China ~72: Jiquan ZHANG~

2023/11626 ~ Complete ~54:DENSITY ADJUSTMENT DEVICE ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: BOTHA, Marius;DE VILLIERS-KOK, Kari~

2023/11636 ~ Complete ~54:STACK OF FUEL CELL CELLS AND FUEL CELL COMPRISING SUCH A STACK ~71:Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, 75 Quai d'Orsay, PARIS 75007, FRANCE, France ~72: ANDRE, Johan;SIRAC, Denis~ 33:FR ~31:2105419 ~32:25/05/2021

2023/11647 ~ Complete ~54:BONE CONDUCTION HEARING AID ~71:SOUNDUCT, 127 boulevard Auguste Blanqui, 75013, Paris, France ~72: JEAN-PHILIPPE MARIE DE CHASTENAY~ 33:FR ~31:FR2105313 ~32:20/05/2021

2023/11614 ~ Complete ~54:MULTI-SCALE CONTINUOUS CALCULATION SYSTEM FOR MESO-MECHANICAL PROPERTIES OF ENERGETIC MATERIAL ~71:Harbin Institute of Technology, Shenzhen, Harbin Institute of Technology Campus, Shenzhen University Town, Taoyuan Street, Nanshan District, Shenzhen City, Guangdong Province, 518055, People's Republic of China ~72: GE, Siyu;GUO, Zaoyang;JIANG, Lanlan;LI, Dongfeng;LIANG, Lai;LIANG, Xudong~

2023/11637 ~ Complete ~54:NOVEL ANTITHROMBOTIC ANTIBODY ~71:Shanghai Synvida Biotechnology Co. Ltd., Building C, No.888, Huanhu West 2nd Road, Lin-gang Special Area, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 201303, CHINA (P.R.C.), People's Republic of China ~72: FAN, Xuemei;LIU, Junling;SUN, Tianyao~ 33:CN ~31:202110639032.6 ~32:08/06/2021

2023/11644 ~ Complete ~54:METHOD, ARRANGEMENT AND MACHINE FOR FULL FACE REAMING ~71:BERGTEAMET AB, Fraktgatan 2, 936 31, Boliden, Sweden ~72: MAGNUS BERGKVIST~ 33:SE ~31:2150660-5 ~32:25/05/2021

2023/11648 ~ Complete ~54:METHODS AND SYSTEMS FOR PREPARATION OF MONONUCLEAR-PLATELET RICH FIBRIN MATRIX, AND COMPOUNDS THEREOF ~71:PRP CONCEPTS, INC., 125 Half Mile Road Middletown, New Jersey, 07701, United States of America ~72: RICHARD J CARROLL~ 33:US ~31:63/193,889 ~32:27/05/2021

2023/11628 ~ Complete ~54:METHOD AND APPARATUS FOR MANAGEMENT OF POWER IN AN INDUSTRIAL GAS PRODUCTION FACILITY ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID HUGHES;DAVID M ESPIE;GRAEME RICHARD WILSON;KEVIN WRIGHT;NICOLAAS GILLES VAN LUIJK~ 33:US ~31:18/085,675 ~32:21/12/2022

2023/11631 ~ Complete ~54:PUMP STATION-LID JOINT MULTI-OBJECTIVE OPTIMIZATION METHOD BASED ON DOA ALGORITHM ~71:Hebei Institute of Water Resources Science (Hebei Dam Safety Technology Center, Hebei Levee Sluice Technology Center), 310 Taihua Street, Shijiazhuang City, Hebei Province, 050000, People's Republic of China;Hohai University, No. 1, Xikang Road, Gulou District, Nanjing City, Jiangsu Province, 210000, People's Republic of China;Jiangsu Yuzhi River Basin Management Technology Research Institute Co.Ltd., Room 601, No. 9, Shuiyougang, Gulou District, Nanjing City, Jiangsu Province, 210008, People's Republic of China ~72: Chen Jiajun;Huo Litao;Li Huayue;Lian Qiuyan;Luan Qinghua;Sun Lei;Wang Boxin;Wang Wenqiang;Zhao Jiayi~ 33:CN ~31:202311511291.6 ~32:14/11/2023

2023/11632 ~ Complete ~54:METHOD FOR PROCESSING STEEL SLAG BASED ON LIBRARY INFORMATION SERVICE ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 21, Bohai Avenue, Caofeidian New City,, Tangshan, Hebei, 063000, People's Republic of China ~72: LAN, Tian~

2023/11613 ~ Complete ~54:A PREPARATION METHOD FOR SILICONE OIL AND ITS APPLICATION ~71:Xinnaqi Material Technology Jiangsu Co., Ltd., 3/F, Building B, Kechuang Park, No.36 Huada Road, Zhangjiagang Free Trade Zone, Suzhou City, Jiangsu Province, 215600, People's Republic of China ~72: Lina HU;Shoubin XU;Yue YU~

2023/11629 ~ Complete ~54:APPARATUS AND PROCESS TO PROVIDE COOLING WATER FOR AMMONIA AND OR HYDROGEN PRODUCTION ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: GRAEME RICHARD WILSON;MATTHEW WILLIAM AKHURST;NICOLAS JOHN HARYETT~ 33:US ~31:18/085,690 ~32:21/12/2022

2023/11649 ~ Complete ~54:METHOD AND SYSTEM FOR AUTOMATICALLY CAPTURING AND EXTRACTING DATA FROM IMAGES OF AGRICULTURAL FIELD CROPS AND WEEDS USING MACHINE LEARNING PROCESSES ~71:CROPTIMISTIC TECHNOLOGY INC., P.O. Box 608 Naicam, Saskatchewan, S0K 2Z0, Canada ~72: ABDUL BAIS;CORWYN WILLNESS;DEREK STANLEY RUDE;MUHAMMED HAMZA ASAD;STUART HASSALL~ 33:US ~31:63/192,521 ~32:24/05/2021

2023/11605 ~ Provisional ~54:MOHALE DMC RA FITTING METHOD ~71:SONTI DAVID MOHALE, 401 Management Hse, 38 MELLE STREET, South Africa ~72: SONTI DAVID MOHALE~ 33:ZA ~31:1 ~32:18/12/2023

2023/11618 ~ Complete ~54:AN INTELLIGENT ANTI-REFLECTION STRUCTURE WITH ADJUSTABLE BANDS AND FREQUENCY DOMAINS, AND ITS PREPARATION METHOD ~71:Zhengzhou University of Aeronautics, No. 15 Wenyuan West Road, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Cui Jiehu;He Jiajun;Liang Bo;Wang Shuxia;Zhang Mengwen~ 33:CN ~31:2023109405515 ~32:28/07/2023

2023/11635 ~ Complete ~54:(R) -GLUTARIMIDE CRBN LIGANDS AND METHODS OF USE ~71:BEIGENE SWITZERLAND GMBH, Aeschengraben 27, Switzerland ~72: HAN, Songzhe;HUO, Changxin;LEI, Bailin;LIU, Huaqing;WANG, Zhiwei~ 33:CN ~31:PCT/CN2021/101281 ~32:21/06/2021;33:CN ~31:PCT/CN2021/142802 ~32:30/12/2021

2023/11640 ~ Complete ~54:BLOOD COLLECTION KIT WITH BLOOD COLLECTION DEVICES OF MULTIPLE SIZES AND ASSOCIATED SIZING SYSTEMS AND METHODS ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: ALTHOFF, Charles Peter;TORRIS, Anthony V.;WENTZELL, Scott;YAKHNICH, Vlad~ 33:US ~31:63/216,230 ~32:29/06/2021

2023/11651 ~ Complete ~54:AN ELECTRICAL SOCKET ASSEMBLY WITH AN IMPROVED CONTACT ELEMENT ~71:PANASONIC LIFE SOLUTIONS INDIA PRIVATE LIMITED, 3rd Floor, B wing I- Think Techno Campus Pokhran, India ~72: AGLAWE, Abhijit;GAIKWAD, Akshay;KUMAR, Pankaj~ 33:IN ~31:202121024767 ~32:03/06/2021

2023/11606 ~ Provisional ~54:FOOTBALL ELEVEN ~71:Romeo Mthembu, 10687 CHAKA STREET ZONE 7B SEBOKENG, South Africa ~72: Romeo Nhlanhla Mthembu~

2023/11607 ~ Provisional ~54:METHOD AND APPARATUS FOR THE PRODUCTION OF FINE FIBERS ~71:THE STELLENBOSCH NANOFIBER COMPANY (PTY) LTD, 7 Marconi Road, South Africa ~72: COATES, Megan Patricia;D'SOUZA, Sarah;DAVIDS, Dean Samuel James;MIRFIN, Tayla Michele;SMIT, Anton Eugene;STONE, Justin Marc;WAGENAAR, Stefan;WATKINS, Zane Kenrick~

2023/11608 ~ Provisional ~54:ANTI-THEFT SOLAR PANEL MOUNTING BRACKET ~71:NIENHUIS, Jan, Balster, 646 WINDSOR ROAD, GARSFONTEIN EAST, 0060, SOUTH AFRICA, South Africa ~72: NIENHUIS, Jan, Balster~

2023/11641 ~ Complete ~54:COMPONENT FOR AN ARTICLE AND AN ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid;HODGSON, Matthew~ 33:GB ~31:2108785.3 ~32:18/06/2021

2023/11627 ~ Complete ~54:TRAFFIC LIGHT MANAGEMENT SYSTEM ~71:DYNAMITE SENSATIONAL INNOVATION (PTY) LTD, 16057 Mathibe Ledwaba Street Mamelodi East, South Africa ~72: MALOBOLA Siyabonga~ 33:ZA ~31:2022/10803 ~32:30/09/2022

2023/11616 ~ Complete ~54:HIGH-POWER AND HEAVY-LOAD BACK-TO-BACK PLANETARY GEAR TEST PLATFORM ~71:NO.703 Research Institute of CSSC, No. 35, Honghu Road, Qunli Development Zone, Harbin City, People's Republic of China ~72: CHANG, Shan;FU, Lin;JIANG, Lidong;YUE, Yanjong~ 33:CN ~31:202310666673X ~32:07/06/2023

2023/11611 ~ Complete ~54:A STAGGERED BROKEN-LINE STEPPED SPILLWAY ~71:Zhejiang University of Water Resources and Electric Power, 508 Xuefu Street, Economic and Technological Development Zone, Hangzhou City, Zhejiang Province, 310018, People's Republic of China ~72: Feng Xie;Fuqing Bai;Jiakai Mei;Jing Li;Peisheng Qiu;Qian Mao;Xiujun Hu;Yu Zhou;Yuan Guo;Yuanyuan Wang;Zhan Shu;Zhichao Hu~

2023/11646 ~ Complete ~54:METHOD AND DEVICE FOR PREPARING ALL-VANADIUM REDOX FLOW BATTERY ELECTROLYTE ~71:ENERFLOW TECHNOLOGY CO., LTD., 1256 Dongfeng East St. High-Tech District Weifang, Shandong 261000, People's Republic of China ~72: JIN WANG;XIAOHAO ZHENG~ 33:CN ~31:202110574565.0 ~32:26/05/2021

2023/11615 ~ Complete ~54:A DEEP LEARNING-BASED IMAGE PROCESSING METHOD AND DEVICE ~71:Dongguan City University, No.1 Wenchang Road, Liaobu Town, Dongguan City, Guangdong Province, People's Republic of China ~72: Ji Chongxing;Niu Yi~

2023/11610 ~ Provisional ~54:J-CRED AI PATENT ~71:Thoriso Rangata, Unit 4 Leogem Business Park, 44 Richards Drive, South Africa ~72: Thoriso Rangata~

2023/11624 ~ Complete ~54:A TEXTILE DIPPING GLUE CURING TREATMENT DEVICE ~71:Anhui Polytechnic University, No. 8, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Changlong Li;Lei Zhou;Zhen Wang~

2023/11639 ~ Complete ~54:METHOD OF PURIFYING IMMUNOGLOBULIN G AND USES THEREOF ~71:CSL Behring AG, Wankdorfstrasse 10, BERN 3014, SWITZERLAND, Switzerland ~72: ANAND, Roopsee;ANDERS, Katrin;BOEREMA, David;DOLLINGER, Peter;HOLLER, Laura;NEUENFELDT, Martin;POLATYNSKA, Magdalena;SCHULZE, Norbert;WILKA, Heike Nicole~ 33:AU ~31:2021902332 ~32:29/07/2021;33:US ~31:63/227,329 ~32:29/07/2021;33:US ~31:63/365,530 ~32:31/05/2022

2023/11619 ~ Complete ~54:A METHOD OF LIFTING BALLASTLESS TRACK AND A METHOD OF SETTLING ADJUSTMENT ~71:China Railway NO.3 Engineering Group Co., Ltd., No.269 Yingze Street, Yingze District, Taiyuan, Shanxi, People's Republic of China;China Railway Third Group No.2 Engineering Co., Ltd., No.269 Yingze Street, Yingze District, Taiyuan, Shanxi, People's Republic of China ~72: Chenghong Liu;Tiesuo Guan;Xuele Li;Yingmei Wang;Yubo Chen~ 33:CN ~31:2023110051475 ~32:10/08/2023

2023/11645 ~ Complete ~54:GRINDING TOOL AND METHOD FOR PRODUCING A GRINDING TOOL ~71:LUKAS-ERZETT GMBH & CO. KG, Gebrüder-Lukas-Straße 1, 51766, Engelskirchen, Germany ~72: MARKUS SEILER~ 33:DE ~31:10 2021 114 052.8 ~32:31/05/2021

2023/11650 ~ Complete ~54:AN ELECTRICAL SOCKET ASSEMBLY ~71:PANASONIC LIFE SOLUTIONS INDIA PRIVATE LIMITED, 3rd Floor, B wing I- Think Techno Campus Pokhran, India ~72: AGLAWE, Abhijit;GAIKWAD, Akshay;KUMAR, Pankaj~ 33:IN ~31:202121024766 ~32:03/06/2021

2023/11621 ~ Complete ~54:SUPERCAPACITOR ACTIVE EQUALIZATION SYSTEM AND METHOD USING SOC AS AN EQUALIZATION INDEX ~71:HARBIN INSTITUTE OF TECHNOLOGY, No.92 Xidazhi St.,Nangang Harbin, People's Republic of China;HIT ROBOT GROUP, Jingbo Road, Dalian North Road, Pingfang District, Harbin, People's Republic of China ~72: DUAN, Jiangdong;FAN, Shaogui;LI, Yijia;SUN, Li;WANG, Luxiao;XIAO, Qian;ZHAO, Fang;ZHAO, Ke~ 33:CN ~31:202311522392.3 ~32:15/11/2023

2023/11630 ~ Complete ~54:THEFT DETERRENT MIXED METAL SNE CABLE ~71:ABERDARE CABLES (PTY) LTD, Group Operations Centre, 181A Barbara Road, ELANDSFONTEIN 1410, Gauteng Province, SOUTH AFRICA, South Africa ~72: SCHOLTZ, Hendrik Paul;THULASEE, Vishal Roychand Bharath;WANG, Jian~

2023/11643 ~ Complete ~54:ANTI-CEA AND ANTI-CD137 MULTISPECIFIC ANTIBODIES AND METHODS OF USE ~71:BeiGene Switzerland GmbH, Aeschengraben 27, BASEL 4051, SWITZERLAND, Switzerland ~72: CHEN, Xin;LI, Jie;LI, Xuehui;LI, Zhuo;QU, Liang;SONG, Jing;SUN, Jian;WANG, Penghao;XIE, Yuanyuan;ZHANG, Tong;ZHOU, Xiaosui;ZHU, Lin~ 33:IB ~31:2021/095113 ~32:21/05/2021;33:IB ~31:2022/085625 ~32:07/04/2022;33:IB ~31:2022/088172 ~32:21/04/2022

2023/11617 ~ Complete ~54:MICROGRID ARCHITECTURE FOR SHIPBOARD NUCLEAR POWER PLANT BASED ON SUPERCAPACITOR ~71:HARBIN INSTITUTE OF TECHNOLOGY, No.92 Xidazhi St.,Nangang Harbin, People's Republic of China;HIT ROBOT GROUP, Jingbo Road, Dalian North Road, Pingfang District, Harbin, People's Republic of China ~72: DUAN, Jiangdong;FAN, Shaogui;LI, Yijia;SUN, Li;WANG, Luxiao;XIAO, Qian;ZHAO, Fang;ZHAO, Ke~ 33:CN ~31:202311522394.2 ~32:15/11/2023

2023/11633 ~ Complete ~54:ROADBED WATER AND SOIL COMBINED SURCHARGE PRELOADING SYSTEM ~71:CHINA RAILWAY 19 BUREAU GROUP CO., LTD., No. 19 Ronghua South Road, Beijing Economic and Technological Development Area, Beijing, 100176, People's Republic of China;CHINA RAILWAY 19TH BUREAU GROUP THIRD ENGINEERING CO., LTD., No. 36, Shenbei Road, Shenbei New District, Shenyang, Liaoning, 110136, People's Republic of China ~72: ZHAO, Licai~ 33:CN ~31:202110581504.7 ~32:27/05/2021

2023/11718 ~ Complete ~54:MUC16 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: HELEN SABZEVARI;RUTUL R SHAH~ 33:US ~31:62/680,297 ~32:04/06/2018

2023/11609 ~ Provisional ~54:SOLAR PANEL MOUNTING POSTS AND MOUNTING SYSTEM ~71:NIENHUIS, Jan, Balster, 646 WINDSOR ROAD, GARSFONTEIN EAST, 0060, SOUTH AFRICA, South Africa ~72: NIENHUIS, Jan, Balster~

2023/11622 ~ Complete ~54:LASER-INDUCED BREAKDOWN SPECTRUM DETECTION SYSTEM ~71:YANCHENG TEACHERS UNIVERSITY, No. 2 South Road, Hope Avenue, Yancheng City, Jiangsu Province, 224007, People's Republic of China ~72: CHEN Xiaobo;CHEN Ze;HU Xiaoyan;KONG Youchao;LIU Jianli;LIU Weiwei;YANG Liangliang;ZHONG Shengcai~ 33:CN ~31:2023104681523 ~32:27/04/2023

2023/11634 ~ Complete ~54:A REAL-TIME MONITORING METHOD BASED ON USER BEHAVIOR AND RELATED DEVICE ~71:Shenzhen Rontex Technology Co., Ltd., Floor 17, Phase 2, Overseas Chinese Scholars Venture Building, No.46, Gao Xin Nan Huan Road, Gao Xin Community, Yue Hai Street, Nan Shan District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: LIU, Xianghua~ 33:CN ~31:CN202210934568.5 ~32:04/08/2022

2023/11642 ~ Complete ~54:SURFACE SPATULA ~71:Jacek OLEJNIK, RAMISZÓW 36C, Poland ~72: Jacek OLEJNIK~ 33:PL ~31:P.437968 ~32:24/05/2021

2023/11638 ~ Complete ~54:GENOMIC EDITING OF RBM20 MUTATIONS ~71:The Board of Regents of the University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: BASSEL-DUBY, Rhonda;NISHIYAMA, Takahiko;OLSON, Eric N.~ 33:US ~31:63/218,221 ~32:02/07/2021;33:US ~31:63/335,647 ~32:27/04/2022

- APPLIED ON 2023/12/20 -

2023/11672 ~ Complete ~54:TUNNEL EXCAVATION STRUCTURE, TUNNEL EXCAVATION METHOD, AND TUNNEL CONSTRUCTION METHOD ~71:CHINA RAILWAY CITY DEVELOPMENT AND INVESTMENT GROUP CO., LTD., China Railway Excellence Center, No. 377, Ningbo Road East Section, Tianfu New District, Chengdu, Sichuan, 610218, People's Republic of China;CHINA RAILWAY TUNNEL GROUP BEIJING CTG

CONSTRUCTION CO., LTD., Yard 9, Guangqumenwai Street, Chaoyang District, Beijing, 100022, People's Republic of China;CHINA RAILWAY TUNNEL GROUP CO., LTD., No. 2, West Side of Gongye 4th Road, Mingzhuwan Starting Area, Nansha District, Guangzhou, Guangdong, 511458, People's Republic of China;CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., No. 86, Zhonghuan West Road, (Airport Economic Zone) Pilot Free Trade Zone, Tianjin, 300308, People's Republic of China;SOUTHWEST JIAOTONG UNIVERSITY, No. 999, Xi'an Road, Pidu District, Chengdu, Sichuan, 611756, People's Republic of China ~72: BOWEN JIN;CHAO SU;CHENCHUANG ZHOU;FENGRONG CHEN;GUOJUN DIAO;HUI JIANG;JIANLUO HE;JIANPING FENG;JIMENG FENG;LIANGJUN CHEN;NENG LIU;QINGCHENG JIANG;SHAOBO WANG;SHIHANG XU;TIEQIANG XING;WENLONG ZHENG;XIAO CHEN;XIAONING ZHONG;YAHUI WEI;YANLING LIU;YONG ZENG;YULING JIANG;YUQIANG ZHANG;ZHENGGANG LIU~ 33:CN ~31:202310271055.5 ~32:20/03/2023

2023/11674 ~ Complete ~54:FLOAT ASEMBLY FOR A LEVEL CONTROL VALVE ~71:DE KLERK, Nico, 2 Politician Street, South Africa;PÖHL, Etienne Johan, 2 Politician Street, South Africa ~72: DE KLERK, Nico;PÖHL, Etienne Johan~ 33:ZA ~31:2022/08543 ~32:01/08/2022

2023/11664 ~ Complete ~54:POWER DISTRIBUTION WITHIN AN ELECTRIC MACHINE ~71:Tau Motors, Inc., 1104 Main St., REDWOOD CITY 94063, CA, USA, United States of America ~72: BAGGET SWINT, Ethan;OWEN, Michael Parker;PENNINGTON III, Walter Wesley;PREINDL, Matthias;RUBIN, Matthew J.;STEVENSON, Gregory Gordon~ 33:US ~31:63/059,929 ~32:31/07/2020

2023/11679 ~ Complete ~54:USE OF SGLT-2 INHIBITORS FOR THE PREVENTION AND/OR TREATMENT OF RENAL DISEASES IN NON-HUMAN MAMMALS ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: KROH, Carla;LANG, Ingo Ulrich;MATALLO, José~ 33:EP ~31:21188321.0 ~32:28/07/2021

2023/11689 ~ Complete ~54:RECYCLABLE PAPER PACKAGING LAMINATE HAVING A THIN BARRIER FILM AND GOOD TEAR-OPEN PROPERTIES ~71:CONSTANTIA PIRK GMBH & CO. KG, PIRKMÜHLE 14-16, 92712 PIRK, GERMANY, Germany ~72: EGER, Frank;FISCHER, Andreas;GEITNER, Werner;GREFENSTEIN, Achim;SCHECK, Matthias;STEIN, Tobias~ 33:AT ~31:A50451/2021 ~32:02/06/2021

2023/11694 ~ Complete ~54:SHOE PROTECTOR DEVICE AND APPLICATOR ~71:Trainer Armour Limited, 15 Hazelton Road, Marlbrook, BROMSGROVE B61 0JG, WORCESTERSHIRE, UNITED KINGDOM, United Kingdom ~72: CHANCELLOR, Andrew~ 33:GB ~31:2107528.8 ~32:27/05/2021

2023/11702 ~ Complete ~54:ERK1/2 AND SHP2 INHIBITORS COMBINATION THERAPY ~71:Erasca, Inc., 3115 Merryfield Row, Suite 300, SAN DIEGO 92121, CA, USA, United States of America ~72: BRAIL, Leslie Harris;LEW, Erin Denise;LIN, Wei;MARTIN, Leenus;OH, Joanne;SHOEMAKER, Robert Field;ZHANG, Jingchuan~ 33:US ~31:63/214,769 ~32:24/06/2021;33:US ~31:63/277,550 ~32:09/11/2021;33:US ~31:63/280,521 ~32:17/11/2021;33:US ~31:63/321,615 ~32:18/03/2022

2023/11710 ~ Complete ~54:DIALYSIS MACHINE AND CORRESPONDING METHOD ~71:PHYSIDIA, 11-13, Bd des Bretonnières, 49124, Saint-Barthélémy d'Anjou, France ~72: ERIC VINCENT;VÉLIANA TODOROVA~ 33:FR ~31:FR2105337 ~32:21/05/2021;33:FR ~31:FR2105339 ~32:21/05/2021

2023/11715 ~ Complete ~54:WIND TURBINE WITH ROTATIONAL AXIS PERPENDICULAR TO THE WIND FLOW ~71:AIRDE PTE LTD, #04/01-03 Thong Teck Building, 15 Scotts Road , Singapore, 228218, Singapore ~72: IAN GORDON~ 33:GB ~31:2107681.5 ~32:28/05/2021

2023/11666 ~ Complete ~54:METHOD FOR DETECTING WATER-FLOWING FRACTURE ZONE HEIGHT IN MINING OVERLYING STRATA BASED ON STRESS MONITORING ~71:Beijing Window Technology Co., Ltd, No. 59 Zhongshan Street, Tongzhou District, Beijing, Minhui Street, Tianjia District, Huainan City, Anhui Province, 101199, People's Republic of China;China Coal Xinji Energy Co.,Ltd, Minhui Street, Tianjia District, Huainan City, Anhui Province, 232033, People's Republic of China ~72: Ding Feng;Guo Jingzhong;He Heng;Hong Shibao;Li Yongjun;Liu Limu;Liu Qingbo;Liu Yude;Ni Xianjie;Sun Maoru;Wang Xiaoping;Yang Yuanzhong;Zhang Dianfei;Zhang Xun~ 33:CN ~31:202311632917.9 ~32:28/11/2023

2023/11671 ~ Complete ~54:APPARATUS FOR THE PRODUCTION OF FILAMENTS ~71:REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK, Spicher Straße 46, 53844, Troisdorf, Germany ~72: STEPHAN GERHARZ~ 33:DE ~31:10 2022 134 399.5 ~32:21/12/2022;33:EP ~31:22 215 646.5 ~32:21/12/2022

2023/11681 ~ Complete ~54:OPERATION SYSTEM AND OPERATION METHOD FOR VIRTUAL SPACE OR ONLINE MEETING SYSTEM ~71:IZAWA Yuto, 5-16-8, Nukuikitamachi, Koganeishi, Japan ~72: IZAWA Yuto~ 33:JP ~31:2022-015984 ~32:03/02/2022

2023/11686 ~ Complete ~54:STRAIN FOR PRODUCING HIGHLY CONCENTRATED L-GLUTAMIC ACID, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BONG, Hyun-Ju;HEO, Jung Ok;KWON, Nara;LEE, Ah Reum;LEE, Jin Nam~ 33:KR ~31:10-2021-0085738 ~32:30/06/2021

2023/11693 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: DRAAK, Johannes Wilhelmus;ETTES, Wilhelmus Gerardus Maria;LULOFS, Klaas Jakob~ 33:EP ~31:21175922.0 ~32:26/05/2021

2023/11695 ~ Complete ~54:PLANT BASED FOAMING CREAMER ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BORTOLIN, Marina;WOOSTER, Timothy James~ 33:EP ~31:21176879.1 ~32:31/05/2021

2023/11716 ~ Complete ~54:INTRANET PENETRATION TEST CONTROL METHOD AND APPARATUS AND SAAS SERVER ~71:BEIJING KNOWNSEC INFORMATION TECHNOLOGY CO., LTD., Room 311501, Unit 1, Building 5, No. 1 Yard, Futong East Avenue, People's Republic of China ~72: ZHAO, Dianle~ 33:CN ~31:202211647878.5 ~32:21/12/2022

2023/11653 ~ Provisional ~54:VAPORIZABLE LIQUID COMPOSITION ~71:ROSSOUW, Melandri, 1372 Leloko Lifestyle Estate, Kosmos, South Africa ~72: ROSSOUW, Melandri~

2023/11652 ~ Provisional ~54:A MOBILE SOFTWARE APPLICATION WHICH MEASURES AND CHARACTERIZES THE USERS' KEY PERFORMANCE INDICES FOR BATCH AND CONTINUOUS PROCESSES, SPORTING AND ENTERTAINMENT EVENTS ~71:Simphiwe Lionel Khuzwayo, 33 Brink Street, South Africa ~72: Simphiwe Lionel Khuzwayo~

2023/11656 ~ Provisional ~54:CLC FLASHBRICK ~71:A.R. MAHOMED ATTORNEYS, 233 ROSE AVENUE, LENASIA, South Africa ~72: MONL FRAMES PTY LTD~

2023/11665 ~ Complete ~54:POWER DISTRIBUTION WITHIN AN ELECTRIC MACHINE ~71:Tau Motors, Inc., 1104 Main St., REDWOOD CITY 94063, CA, USA, United States of America ~72: BAGGET SWINT, Ethan;OWEN, Michael Parker;PENNINGTON III, Walter Wesley;PREINDL, Matthias;RUBIN, Matthew J.;STEVENSON, Gregory Gordon~ 33:US ~31:63/059,929 ~32:31/07/2020

2023/11667 ~ Complete ~54:PAVING DEVICE AND PAVING METHOD FOR ASPHALT MIXTURE PAVEMENT WITH PHOTOCATALYTIC MODIFIER ~71:Lishui Traffic Construction Development Co., Ltd., No.262, Dayang Road, Liandu District, Lishui City, Zhejiang Province, People's Republic of China ~72: Ma Zhongxin;Xu Yidong~ 33:CN ~31:202310291982.3 ~32:23/03/2023

2023/11680 ~ Complete ~54:A METHOD OF SUBJECTING A BIOMASS FEEDSTOCK TO HYDROLYSIS ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: HUIZENGA, Pieter;SIGAUD, Julien~ 33:EP ~31:21185790.9 ~32:15/07/2021

2023/11688 ~ Complete ~54:NOVEL MDTH VARIANT AND METHOD FOR PRODUCING O-PHOSPHOSERINE, CYSTEINE, AND DERIVATE OF CYSTEINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: CHOI, Jin-Geun;JUNG, Hwi-Min;LEE, Jin Nam;PARK, Hye Min;SIM, Hee-jin~ 33:KR ~31:10-2021-0075859 ~32:11/06/2021

2023/11706 ~ Complete ~54:METHOD AND SYSTEM FOR CONDUCTING ORE PRESORTING BASED ON HIERARCHICAL ARRAYED INTELLIGENT SORTING ~71:HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD, Buliding 6, Small And Micro Enterprises Industrial Park, Tianzihu Town, Anji County, Huzhou city, People's Republic of China ~72: GUO, Jin;TONG, Xiaolei~ 33:CN ~31:202110774607.5 ~32:08/07/2021

2023/11711 ~ Complete ~54:CHIP MODULE AND METHOD OF FORMING SAME ~71:ACT IDENTITY TECHNOLOGY LIMITED, Room 24A, 9/F., Well Fung Industrial Centre, 68 Ta Chuen Ping Street, Kwai Chung, New Territories, Hong Kong, People's Republic of China ~72: GANG CHEN~ 33:US ~31:63/222,560 ~32:16/07/2021

2023/11735 ~ Complete ~54:BIG DATA-BASED COMPUTER CONSULTING SERVICE PLATFORM ~71:Hebei Chemical And Pharmaceutical College, No.88 Fangxing Road, Yuhua District, Shijiazhuang City, Hebei Province, 050026, People's Republic of China ~72: WANG, Yue~

2023/11676 ~ Complete ~54:SAFE TRANSPORTATION SYSTEM OPERATIONS ~71:MCNICHOLAS, Daniel, 36 BROOK LANE, PALOS PARK, IL 60464, USA, United States of America ~72: MCNICHOLAS, Daniel~ 33:US ~31:17/335,127 ~32:01/06/2021

2023/11683 ~ Complete ~54:PHARMACEUTICAL SALTS OF A CHK-1 INHIBITOR ~71:PHARMAENGINE, INC., 11F, 10 MINSHENG EAST ROAD, SEC. 3, TAIPEI, TAIWAN 10480, People's Republic of China;SENTINEL ONCOLOGY LIMITED, 181 SCIENCE PARK, MILTON ROAD, CAMBRIDGE CAMBRIDGESHIRE CB4 0GJ, UNITED KINGDOM, United Kingdom ~72: MAJOR, Meriel;NORTHEN, Julian, Scott;PARKER, Jake;TRAVERS, Stuart~ 33:GB ~31:2107924.9 ~32:03/06/2021

2023/11685 ~ Complete ~54:GERANYLGERANYL PYROPHOSPHATE SYNTHASE VARIANT AND METHOD OF PRODUCING TETRATERPENE, PRECURSOR THEREOF, AND MATERIAL HAVING TETRATERPENE AS PRECURSOR USING THE SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: HA, Cheol Woong;LEE, Dong Pil;LEE, Peter;PARK, Hye Min~ 33:KR ~31:10-2021-0074819 ~32:09/06/2021

2023/11691 ~ Complete ~54:REINFORCED FLEXIBLE POLYMER MATERIAL STRIP, METHOD OF MANUFACTURING SAME AND THREE-DIMENSIONAL CELLULAR STRUCTURE MADE USING SAME ~71:AZARKH, Mikhail, Hashizaf Street 86, Israel ~72: AZARKH, Mikhail;CHEREVATIY, Vladislav Gennadievich~ 33:RU ~31:2021114447 ~32:21/05/2021

2023/11697 ~ Complete ~54:COMPOSITIONS WITH ETHOFUMESATE AND A SAFENER ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: AULER,

Thomas;BARTLETT, Mark;CANALES, Robert;PARSONS, Chris;TOSSENS, Herve~ 33:EP ~31:21177454.2
~32:02/06/2021

2023/11713 ~ Complete ~54:PROCESS FOR PRODUCING COOKABLE, FIBROUS MEAT ANALOGS WITH DIRECTIONAL FREEZING ~71:NEW SCHOOL FOODS INC., 25 Springhurst Avenue Toronto, Ontario M6K 1B1, Canada ~72: AUKE DE VRIES;CHRISTOPHER BRYSON;CHRISTOPHER MARK GREGSON;DERICK ROUSSEAU;RAPHAEL DE HENAU~ 33:US ~31:17/326,567 ~32:21/05/2021;33:US ~31:17/666,930 ~32:08/02/2022

2023/11734 ~ Complete ~54:ROAD MAINTENANCE PAVEMENT JOINT FILLING EQUIPMENT ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HU Guoping;LI Hui;LIU Jiawei;PENG Lansi;ZHANG Huiyuan;ZHANG Yongcun~

2023/11657 ~ Complete ~54:PASSIVELY HEATED THERMAL BATTERY ~71:DIEHL DEFENCE GMBH & CO. KG., ALTE NUßDORFER STR. 13, 88662 ÜBERLINGEN, GERMANY, Germany;DIEHL ENERGY PRODUCTS GMBH, FISCHBACHSTRASSE 20, 90552 RÖTHENBACH a.d. PEGNITZ, GERMANY, Germany ~72: CLEMENT, Dominik;KORTHALS, Tobias;KUHN, Thomas;PREIß, Walter~ 33:DE ~31:10 2022 004 875.2 ~32:22/12/2022

2023/11668 ~ Complete ~54:PREFABRICATED STEEL BAR BINDING MOULD FOR PIERS ~71:China Railway No.3 Engineering Group Co., Ltd, No.269, Yingze street, Yingze District, Taiyuan City, Shanxi Province, 030001, People's Republic of China;China Railway Third Bureau Group No.4 Engineering Co., Ltd, No.25, Xinjian Road, Sanjiadian, Mentougou District, Beijing, 102300, People's Republic of China ~72: Cao Yanhua;Chen Yamin;Duan Jiangtao;Gu Junhai;Liang Zhanxi;Men Qiang;Nie Fei;Song Xiaoliang;Sun Dongyang;Tu Zhi;Wang Gang;Xu Longfei;Xue Zemin;Yu Chunsheng;Zhang Tao~

2023/11673 ~ Complete ~54:PORTABLE CHARGER DEVICE FOR TELEHANDLER ~71:MANITOU ITALIA S.R.L., Via Cristoforo Colombo 2, Castelfranco Emilia (Modena), 41013, Italy ~72: MARCO IOTTI~ 33:IT ~31:102022000026715 ~32:23/12/2022

2023/11677 ~ Complete ~54:FATIGUE LIFE OPTIMIZED MODULAR BUCKET ASSEMBLY ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: FAYVILLE, Nicholas;KANNIAPPAN, Gopalakrishnan;LARIMORE, Derek, D.;WORTH, David~ 33:US ~31:17/353,243 ~32:21/06/2021

2023/11687 ~ Complete ~54:ENVIRONMENTALLY FRIENDLY COMPOSITION FOR TREATING MINERAL SUBSTRATES ~71:EVONIK OPERATIONS GMBH, RELINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: GÜZELSAHIN, Mustafa;LJESIC, Spomenko;MARTENS-KRUCK, Susanne Christine;ZEISEL, Steffen~ 33:EP ~31:21176149.9 ~32:27/05/2021

2023/11690 ~ Complete ~54:A SYSTEM AND METHOD FOR FACILITATING RULE-BASED PARTIALLY ONLINE AND OFFLINE PAYMENT TRANSACTIONS ~71:NATIONAL PAYMENTS CORPORATION OF INDIA, 1001A, B Wing, 10th Floor, The Capital, Bandra-Kurla Complex, Bandra (East), India ~72: DUBEY, Ashutosh;GAURAV, Nishant;KHAN, Arif;PALAGIRI, Sateesh~ 33:IN ~31:202121023338 ~32:25/05/2021

2023/11700 ~ Complete ~54:A COMPONENT FOR AN ARTICLE FOR USE IN AN AEROSOL PROVISION SYSTEM ~71:British American Tobacco Exports Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;HESFORD, Matthew;KUESTER, William;SPENDLOVE, David;WAN, Peter;WINTER, Dinah~ 33:GB ~31:2109113.7 ~32:24/06/2021

2023/11707 ~ Complete ~54:FLUIDIZED BED REACTOR, AND DEVICE AND METHOD FOR PREPARING LOW-CARBON OLEFIN ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China ~72: CAO, Jing;GAO, Pan;LI, Xiaohong;PENG, Fei;QI, Guozhen;WANG, Yanxue;YU, Zhinan;ZONG, Hongyuan~ 33:CN ~31:202110697978.8 ~32:23/06/2021

2023/11714 ~ Complete ~54:SYSTEMS AND METHODS FOR SOUNDING REFERENCE SIGNAL ENHANCEMENT ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;KE YAO;MENG MEI;SHUJUAN ZHANG~

2023/11659 ~ Complete ~54:A DISPOSABLE TABLE COVER ~71:HUAINING YAQI PACKAGING MATERIALS CO., LTD, BAOTAI INDUSTRIAL PARK NO. 7 (NORTH) FACTORY, NO. 002 YUESHAN AVENUE, INDUSTRIAL PARK, HUAINING COUNTY, People's Republic of China ~72: WANG, Yaqi~

2023/11704 ~ Complete ~54:FASTENER ASSEMBLY FOR USE IN CORROSIVE ENVIRONMENTS ~71:SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED, 65 Epping Road North South Wales 2113, Australia ~72: MANN, Simon;WIELTSCH, Andreas~ 33:AU ~31:2021901882 ~32:23/06/2021

2023/11708 ~ Complete ~54:METHOD AND SYSTEM FOR PERFORMING INTELLIGENT SORTING BASED ON DYNAMIC ADJUSTMENT OF THRESHOLD ~71:HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD, Buliding6, Small And Micro Enterprises Industrial Park, Tianzihu Town, Anji County, Huzhou city, People's Republic of China ~72: GUO, Jin;TONG, Xiaolei~ 33:CN ~31:202110774603.7 ~32:08/07/2021

2023/11698 ~ Complete ~54:SPORTS SURFACE, ITS USE AND ITS METHOD OF MANUFACTURING ~71:Ten Cate Thiolon B.V., G. van der Muelenweg 2, NIJVERDAL 7443 RE, THE NETHERLANDS, Netherlands ~72: HEERINK, Hein Anton;KOLKMAN, Niels Gerhardus;SETHUNATH, Salil;VOGEL, Michael Rene;YOUNG, Colin~ 33:NL ~31:2028688 ~32:09/07/2021

2023/11658 ~ Complete ~54:INITIATION COMPONENT OF AN LE-EFI INITIATION MODULE ~71:DIEHL DEFENCE GMBH & CO. KG., ALTE NUßDORFER STR. 13, 88662 ÜBERLINGEN, GERMANY, Germany ~72: KUGLER, Dietmar;MARX, Felicitas;SCHMITZ, Benjamin~ 33:DE ~31:10 2022 004 814.0 ~32:20/12/2022

2023/11662 ~ Complete ~54:A TOPICAL MEDICINAL LIQUOR FOR TREATING BONE PAIN AND A PREPARATION METHOD THEREOF ~71:Song Luo, No. 225, West Gate of Zhoucheng Town, Binchuan County, Dali Bai Autonomous Prefecture, Yunnan Province, 671605, People's Republic of China ~72: Panyun Feng;Song Luo~

2023/11670 ~ Complete ~54:METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE, FOR PERFORMING DEBLOCKING FILTERING BY DETERMINING BOUNDARY STRENGTH, AND METHOD FOR TRANSMITTING BITSTREAM ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: HYEONG MOON JANG;SANGHEON LEE~ 33:US ~31:62/994,831 ~32:25/03/2020

2023/11678 ~ Complete ~54:METHODS OF TREATING PARKINSON'S DISEASE AND/OR LEWY BODY DISEASE OR DISORDER(S) ~71:ATHIRA PHARMA, INC., 18706 North Creek Parkway, Suite 104, United States of America ~72: CHURCH, Kevin;HUA, Xue;KAWAS, Leen;MOEBIUS, Hans J.;WALKER, William~ 33:US ~31:PCT/US2021/042974 ~32:23/07/2021

2023/11701 ~ Complete ~54:A COMPONENT FOR AN ARTICLE FOR USE IN AN AEROSOL PROVISION SYSTEM ~71:British American Tobacco Exports Limited, Globe House, 1 Water Street, LONDON WC2R 3LA,

UNITED KINGDOM, United Kingdom ~72: DURMAN, Rosie;HESFORD, Matthew;KUESTER, William;SPENDLOVE, David;WAN, Peter;WINTER, Dinah~ 33:GB ~31:2109117.8 ~32:24/06/2021

2023/11696 ~ Complete ~54:METHOD FOR DETERMINING COVERAGE LAYER CELL, ELECTRONIC DEVICE, AND COMPUTER-READABLE MEDIUM ~71:ZTE Corporation, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: ZHAN, Yong~ 33:CN ~31:202110727284.4 ~32:29/06/2021

2023/11705 ~ Complete ~54:LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS ~71:SUZHOU ABOGEN BIOSCIENCES CO., LTD., B1-501, 218 Xinghu Ave, Biobay, Suzhou Industrial Park Suzhou, People's Republic of China ~72: WANG, Xiulian;YING, Bo~ 33:CN ~31:PCT/CN2021/095520 ~32:24/05/2021;33:CN ~31:PCT/CN2021/122704 ~32:08/10/2021;33:CN ~31:202210010389.2 ~32:06/01/2022;33:CN ~31:PCT/CN2022/071251 ~32:11/01/2022

2023/11709 ~ Complete ~54:VELOCITY OF DETONATION MEASUREMENT ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: KRUGER, Michiel Jacobus;MAURISSENS, Daniel August Julien Louis;PETTED, Brian E.;YATES, Marinus~ 33:ZA ~31:2021/04220 ~32:21/06/2021;33:ZA ~31:2022/06186 ~32:03/06/2022

2023/11699 ~ Complete ~54:A METHOD FOR MODULATING PLANT ADAPTATION TRAITS ~71:CRAG (Centre de Recerca en Agrigenòmica), Edifici CRAG, Campus UAB Bellaterra, (Cerdanyola del Vallés), BARCELONA 08193, SPAIN, Spain ~72: CAÑO-DELGADO, Ana Isabel;GUPTA, Aditi;LOZANO-ELENA, Fidel;RICO-MEDINA, Andrés~ 33:EP ~31:21382498.0 ~32:03/06/2021

2023/11703 ~ Complete ~54:PROTECTION OF BIOLOGICAL SPECIES FROM DEGRADATION ~71:SISAF LTD, 3 Huxley Road, Surrey Research Park, United Kingdom ~72: SAFFIE-SIEBERT, Roghieh Suzanne;SUTERA, Flavia~ 33:GB ~31:2110645.5 ~32:23/07/2021

2023/11654 ~ Provisional ~54:POWER MONITORING DEVICE ~71:SOMERSET DYNAMICS (PTY) LTD, Section 2 Parc du Links, Niblick Way, South Africa ~72: COELHO, Carlos Nelson Serra;DU TOIT, Ruan Christiaan;FAUSTMANN, Alexander;PORTER, Kyle Alexander~

2023/11717 ~ Provisional ~54:NU AGE PREGNANCY TEST LOLLIPOP ~71:Felicia Palesa Mhlanga, 401 Hanorahof, 477 Edmond Street, Arcadia, South Africa ~72: FELICIA PALESA MHLANGA~

2023/11655 ~ Provisional ~54:WOOD FILLER COMPOSITION ~71:STEPHANOU, Andreas, 3 Calders Road, Bedfordview, South Africa ~72: STEPHANOU, Andreas~

2023/11661 ~ Complete ~54:MECHANICAL MINING CONSTRUCTION FOR THIN TO MEDIUM-THICK OREBODY AND MINING METHOD THEREOF ~71:BEIJING GENERAL RESEARCH INSTITUTE OF MINING & METALLURGY TECHNOLOGY GROUP, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, People's Republic of China ~72: HUANG, Dan;LI, Yuxuan;LIU, Guangsheng;WANG, Yong;WANG, Zhenyu;YANG, Xiacong;ZHENG, Zhijie~ 33:CN ~31:202310000507.6 ~32:03/01/2023

2023/11669 ~ Complete ~54:THEFT RESISTANT SOLAR END BRACKET ~71:KVM Assets (Pty) Ltd, 39E Paterson Road, North End, South Africa ~72: KINGWILL, Kayne Bremner~

2023/11682 ~ Complete ~54:ELECTROCHEMICAL METAL DEPOSITION SYSTEM AND METHOD ~71:NTH CYCLE, INC., 100 CUMMINGS CENTER, #451C, BEVERLY, MASSACHUSETTS 01915, USA, United States of America ~72: JENNINGS, Emily;MOORE, Christopher;O'CONNOR, Megan;VECITIS, Chad~ 33:US ~31:63/195,567 ~32:01/06/2021;33:US ~31:63/273,840 ~32:29/10/2021

2023/11692 ~ Complete ~54:CELL, BATTERY PACK, AND ELECTRICITY-CONSUMPTION DEVICE
~71:XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., 201-1, Comprehensive Building 5, No. 11, Butang Middle Road, Industrial Base Of Xiamen Torch High Tech Zone (Tongxiang),, People's Republic of China ~72: ZHOU, Wenyang~ 33:CN ~31:202211237137.X ~32:08/10/2022

2023/11660 ~ Complete ~54:A SYSTEM AND A METHOD FOR GESTURE CONTROLLED OUTSIDE REAR VIEW MIRRORS OF A VEHICLE ~71:Mahindra & Mahindra Limited, Mahindra Research Valley, Mahindra World City, Plot No: 41/1, Anjur P.O., India ~72: KAMATH; Pavan;MEHATA; Puneet;MUNIYANDI; Kartik Kumar;SHETTY; Shreshtha~ 33:IN ~31:202241075572 ~32:26/12/2022

2023/11663 ~ Complete ~54:METHOD OF MECHANICAL EXCAVATION AND SUPPORT IN A BACKFILL
~71:BEIJING GENERAL RESEARCH INSTITUTE OF MINING & METALLURGY TECHNOLOGY GROUP, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, People's Republic of China ~72: GUO, Lijie;HUANG, Dan;LI, Yuxuan;LIU, Guangsheng;WANG, Zhenyu;YANG, Xiaocong;ZHENG, Zhijie~ 33:CN ~31:202310048500.1 ~32:31/01/2023

2023/11675 ~ Complete ~54:MULTIPLE PRODUCTS FROM BRASSICA ~71:BIOREFINERY ROYALTIES B.V., Nieuwwijkstraat 37, Netherlands ~72: DERKSEN, Johannes Theodorus Petrus;ZWART, Lourens~ 33:EP ~31:21179555.4 ~32:15/06/2021

2023/11684 ~ Complete ~54:PREPARATION OF A CHK1 INHIBITOR COMPOUND ~71:PHARMAENGINE, INC., 11F, 10 MINSHENG EAST ROAD, SEC. 3, TAIPEI, TAIWAN 10480, People's Republic of China;SENTINEL ONCOLOGY LIMITED, 181 SCIENCE PARK, MILTON ROAD, CAMBRIDGE CAMBRIDGESHIRE CB4 0GJ, UNITED KINGDOM, United Kingdom ~72: CHUBB, Richard;LONDESBROUGH, Derek, John;MAJOR, Meriel;TRAVERS, Stuart~ 33:GB ~31:2107932.2 ~32:03/06/2021

2023/11712 ~ Complete ~54:ANTIMALARIAL ENDOPEROXIDE FOR THE TREATMENT OF MYELOYDYSPLASTIC SYNDROME ~71:THE SCRIPPS RESEARCH INSTITUTE, 10550 North Torrey Pines Road, La Jolla, California, 92037, United States of America ~72: DANIEL KREMER;MICHAEL J BOLLONG;PETER G SCHULTZ;SIDA SHAO~ 33:US ~31:63/202,036 ~32:24/05/2021

- APPLIED ON 2023/12/21 -

2023/11729 ~ Provisional ~54:PROCUREMENT SYSTEM FOR THE CONSTRUCTION INDUSTRY
~71:BENNETT, Craig Warren, 2a Linaria Drive, Vincent Heights, EAST LONDON 5247, Eastern Cape, SOUTH AFRICA, South Africa ~72: BENNETT, Craig Warren~

2023/11720 ~ Provisional ~54:HYDROGEN CAPTURE MEDIUM FLUIDIZED BED CONTROL IN HYDROGEN STORAGE APPLICATIONS ~71:HYDROGEN TECHNOLOGY MAURITIUS, Rue de l'Institut, 3rd Floor, Ebene Skies, Ebene, MAURITIUS, Mauritius ~72: ASH, Gregory John~

2023/11732 ~ Provisional ~54:WIRELESS ELECTROBIPOLAR REACTOR ~71:EMMANUEL IHEANYICHUKWU IWUOHA, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;KEFILWE VANESSA MOKWEBO, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;SAMANTHA FIONA DOUMAN, SensorLab (University of the Western Cape Sensor Laboratories), South Africa ~72: EMMANUEL IHEANYICHUKWU IWUOHA;KEFILWE VANESSA MOKWEBO;SAMANTHA FIONA DOUMAN~

2023/11761 ~ Complete ~54:COMPOUNDS AND METHODS FOR REDUCING IFNAR1 EXPRESSION
~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: KAMME, Fredrik, Carl~ 33:US ~31:63/212,454 ~32:18/06/2021

2023/11772 ~ Complete ~54:SODIUM N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLATE POLYMORPHIC FORM A ~71:Novo Nordisk A/S, Novo Allé, BAGSVÆRD 2880, DENMARK, Denmark ~72:DAMHOLT, Zacharias Brimnes Visby;VILHELMSEN, Thomas Kvistgaard~ 33:EP ~31:21186179.4 ~32:16/07/2021

2023/11776 ~ Complete ~54:NOVEL THERAPEUTIC DELIVERY MOIETIES AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72:ANTONELLIS, Patrick Joseph;LACKNER, Gregory Lawrence;WILSON, Takako~ 33:US ~31:63/214,555 ~32:24/06/2021

2023/11793 ~ Complete ~54:RECOVERY OF NICKEL AND COBALT FROM LI-ION BATTERIES OR THEIR WASTE ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72:LENNART SCHEUNIS;RYOHEI YAGI~ 33:EP ~31:21176046.7 ~32:26/05/2021

2023/11803 ~ Complete ~54:BASKET LOCKING MECHANISM ~71:WUXI JULI HEAVY INDUSTRY CO., LTD., 28 Hongyue Road, Hongshan Machine Photoelectric Industrial Park, New District Wuxi, People's Republic of China ~72:WANG, Fengliang;ZHANG, Fei~ 33:CN ~31:202111468841.1 ~32:04/12/2021

2023/11805 ~ Complete ~54:MOUNTING CONNECTING FRAME FOR GRAPHIC IMAGE PROCESSING DEVICE ~71:ANQING NORMAL UNIVERSITY, No. 128 Lingnan Road, Daguan District, Anqing City, People's Republic of China ~72:AI, Liefu;LI, Bohan;LIU, Deyang;LIU, Kui;SHI, Peicheng;WANG, Yuanzhi;WEI, Jinzhan;WU, Peng;WU, Qiong;ZHANG, Chaolong;ZHANG, Shugang;ZHANG, Shuyong;ZHANG, Xiaoying~ 33:CN ~31:202211038009.2 ~32:26/08/2022

2023/11809 ~ Complete ~54:IL-17A BINDING PEPTIDES AND MEDICAL USES THEREOF ~71:DOMPE' FARMACEUTICI S.P.A., Via S. Martino della Battaglia, Italy ~72:ALLEGRETTI, Marcello;ARAMINI, Andrea;BECCARI, Andrea;GEMEI, Marica;MANTELLI, Flavio~ 33:EP ~31:18186029.7 ~32:27/07/2018

2023/11802 ~ Complete ~54:LADLE WITH A DUAL-PATH LIFTING ARM TYPE AUTOMATIC ARGON GAS JOINT ~71:WUXI JULI HEAVY INDUSTRY CO., LTD., 28 Hongyue Road, Hongshan Machine Photoelectric Industrial Park, New District Wuxi, People's Republic of China ~72:HUA, Zhijian~ 33:CN ~31:202111332349.1 ~32:11/11/2021

2023/11725 ~ Provisional ~54:GRINDER ARRANGEMENT ~71:A.P.S. Plastics (Pty) Ltd., CNR of Silverstone & Kyalami Drive, South Africa ~72:Herzel SABAN~

2023/11737 ~ Complete ~54:INTELLIGENT PEOPLE TRANSPORT SYSTEM BESIDE MINE ROADWAY ~71:Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic of China ~72:CHEN Bingqian;DOU Litong;HUANG Kaifeng;LI Dong;LI Fenghui;YU Yang~

2023/11744 ~ Complete ~54:SYSTEM AND METHOD FOR PERFORMING TENANT PROVISIONING ~71:APPVIEWX INC., 222 Broadway, FI 19 - New York, United States of America ~72:PR, SunilKumar;R, Ragunathan~ 33:US ~31:63,435,177 ~32:23/12/2022

2023/11746 ~ Complete ~54:ENHANCED SECURITY DOOR HANDLE ASSEMBLY WITH INTEGRATED PADLOCK FEATURE FOR STUDENT ACCOMMODATION ~71:MALLUM,SANICK JOSEPH, 43 OAKLAND HILL ROAD, South Africa ~72:MALLUM, SANIC JOSEPH;WYNESS, KEITH~ 33:ZA ~31:2022/13790 ~32:21/12/2022

2023/11767 ~ Complete ~54:BIFIDOBACTERIUM LONGUM TRANSITIONAL MICROORGANISMS, COMPOSITIONS AND USES THEREOF ~71:Société des Produits Nestlé S.A., 55, avenue

Nestlé; VEVEY CH-1800, SWITZERLAND, Switzerland;The Broad Institute, Inc., 415 Main Street, CAMBRIDGE 02142, MA, USA, United States of America;The General Hospital Corporation, 55 Fruit Street, BOSTON 02114, MA, USA, United States of America ~72: DUBOUX, Stéphane;NGOM-BRU, Catherine;SAKWINSKA, Olga;SIEGWALD, Lisa;VATANEN, Tommi;VLAMAKIS, Hera;XAVIER, Ramnik~ 33:US ~31:63/216,127 ~32:29/06/2021

2023/11780 ~ Complete ~54:SUGAR REDUCED CEREAL EXTRACT ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: HAAS, Stefan Walter;JAIN, Vishist Kumar;TEOH, Hooi Khim;YONG, Kelvin~ 33:EP ~31:21177074.8 ~32:01/06/2021

2023/11788 ~ Complete ~54:NUCLEIC ACID VECTOR COMPOSITIONS ~71:SISAF LTD, 3 Huxley Road, Surrey Research Park, United Kingdom ~72: SAFFIE-SIEBERT, Roghieh Suzanne;TORABI-POUR, Nasrollah;WELSH, Michael~ 33:GB ~31:2110646.3 ~32:23/07/2021

2023/11723 ~ Provisional ~54:ROOF ARRANGEMENT FOR A SPORT COURT ~71:STUART, Andrew John Arthur, 5 Gerald Street, Newton Park, South Africa ~72: STUART, Neil Arthur Gordon~

2023/11728 ~ Provisional ~54:KICKING AID FOR USE IN SPORTS ~71:ANTONIE DU TOIT MALAN, 41 Heerenzicht Estate, Durbanville, 7550, South Africa ~72: ANTONIE DU TOIT MALAN~

2023/11730 ~ Provisional ~54:TAMXISENS (TAMOXIFEN-BREAST-CANCER-DRUG SENSOR) ~71:Emmanuel Iheanyichukwu Iwuoha, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;Usisipho Feleni, SensorLab (University of the Western Cape Sensor Laboratories), South Africa ~72: Emmanuel Iheanyichukwu Iwuoha;Usisipho Feleni~

2023/11764 ~ Complete ~54:PACKAGING SYSTEM AND METHOD ~71:BLOM, Gert Frederick, Shylock 30, South Africa ~72: BLOM, Gert Frederick~ 33:ZA ~31:2021/04765 ~32:08/07/2021

2023/11773 ~ Complete ~54:TABLET COMPRISING A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID ~71:Novo Nordisk A/S, Novo Allé, BAGSVÅRD 2880, DENMARK, Denmark ~72: CHRISTENSEN, Isabell Vargas;VILHELMOSEN, Thomas Kvistgaard~ 33:EP ~31:21185861.8 ~32:15/07/2021

2023/11775 ~ Complete ~54:PROCESS FOR THE PREPARATION OF A CYP11A1 INHIBITOR AND INTERMEDIATES THEREOF ~71:Orion Corporation, Orionintie 1, ESPOO 02200, FINLAND, Finland ~72: KARJALAINEN, Oskari;KARJOMAA, Miika~ 33:FI ~31:20215736 ~32:23/06/2021

2023/11782 ~ Complete ~54:GENETICALLY-ENGINEERED BACTERIAL STRAINS FOR IMPROVED FIXATION OF NITROGEN ~71:Pivot Bio, Inc., 2910 Seventh Street, BERKELEY 94710, CA, USA, United States of America ~72: ESKIYENENTURK, Bilge Ozaydin;JOHNSON, Jenny;RYU, Min-Hyung;WONG, Leland~ 33:US ~31:63/218,043 ~32:02/07/2021

2023/11785 ~ Complete ~54:METHOD FOR PRODUCING ELECTRICITY BY MEANS OF AN INSTALLATION INTENDED TO BE PLACED IN A BODY OF WATER ~71:Technip Energies France, 2126 boulevard de la Défense Immeuble, ORIGINE - CS 10266, NANTERRE CEDEX 92400, FRANCE, France ~72: GURDZIEL, Pierre-Emmanuel;LE DEVEHAT, Renaud;ZUELGARAY, Philippe~ 33:FR ~31:2105862 ~32:03/06/2021

2023/11800 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING COLD OF CHILDREN ~71:HEBEI YILING MEDICINE RESEARCH INSTITUTE CO., LTD., No.238 Tianshan Street, Hi-Tech Development Zone, Shijiazhuang City, Hebei, 050035, People's Republic of China ~72: ZHENHUA JIA~ 33:CN ~31:202110607803.3 ~32:01/06/2021;33:CN ~31:202210365366.3 ~32:08/04/2022

2023/11804 ~ Complete ~54:SELF-REGULATING ARGON BLOWING JOINT ~71:WUXI JULI HEAVY INDUSTRY CO., LTD., 28 Hongyue Road, Hongshan Machine Photoelectric Industrial Park, New District Wuxi, People's Republic of China ~72: WANG, Fengliang;ZHANG, Fei~ 33:CN ~31:202111468842.6 ~32:04/12/2021

2023/11742 ~ Complete ~54:MICRONEEDLE ARRAY ~71:CHONGQING MEDICAL AND PHARMACEUTICAL COLLEGE, No.82 Daxuecheng Middle Road, Shapingba District, People's Republic of China ~72: GAN, Linling;LIN, Fengyun;ZHANG, Huimei~ 33:CN ~31:202310765619.0 ~32:26/06/2023

2023/11747 ~ Complete ~54:AN ARMOURED SINGLE CORE ELECTRICAL CABLE ~71:ABERDARE CABLES (PTY) LTD, Group Operations Centre, 181A Barbara Road, ELANDSFONTEIN 1410, Gauteng Province, SOUTH AFRICA, South Africa ~72: SCHOLTZ, Hendrik Paul;THULASEE, Vishal Roychand Bharath;WANG, Jian~

2023/11751 ~ Complete ~54:ENERGY MANAGEMENT SYSTEM IN AN ELECTRIC TELEHANDLER ~71:MANITOU ITALIA S.R.L., Via Cristoforo Colombo 2, Castelfranco Emilia (Modena), 41013, Italy ~72: MARCO IOTTI~ 33:IT ~31:102022000026844 ~32:27/12/2022

2023/11760 ~ Complete ~54:DOSE REGIMEN FOR LONG-ACTING GLP1/GLUCAGON RECEPTOR AGONISTS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BERGSTRAND, Jan Per Martin;DESCH, Michael;HENNIGE, Anita Magdalena;SCHOELCH, Corinna Isabel;THAMER, Claus~ 33:EP ~31:21188741.9 ~32:30/07/2021

2023/11766 ~ Complete ~54:SALTS OF A PI3KDELTA INHIBITOR, CRYSTALLINE FORMS, METHODS OF PREPARATION, AND USES THEREFORE ~71:BeiGene Switzerland GmbH, Aeschengraben 27, BASEL 4051, SWITZERLAND, Switzerland ~72: CAI, Xiaopeng;LI, Jing;WANG, Zhiwei;YU, Xiaosong~ 33:IB ~31:2021/096509 ~32:27/05/2021

2023/11768 ~ Complete ~54:INCREASING RELIABILITY OF THE GEOLOCATION OF A TERMINAL BASED ON ONE OR MORE IDENTIFIERS OF NEIGHBOURING TRANSMITTING DEVICES ~71:UnaBiz, 425, Rue Jean Rostand, LABEGE 31670, FRANCE, France ~72: BOITE, Julien;ISSON, Olivier;MARTY, Renaud;ZUNIGA, Juan Carlos~ 33:FR ~31:2106964 ~32:29/06/2021

2023/11774 ~ Complete ~54:PITTING AND CUTTING PROCESS OF FRUIT, IN PARTICULAR PEACHES, AND THE CORRESPONDING CUTTING BLADES AND MULTI-LANE MACHINE ~71:CRESCENZO, Biagio, Via San Gregorio VII, 1, SALERNO 84125, ITALY, Italy;CTI FoodTech S.r.l., Via San Gregorio VII, 1, SALERNO 84131, ITALY, Italy ~72: CRESCENZO, Alessandro;CRESCENZO, Biagio~ 33:IT ~31:102021000016646 ~32:24/06/2021

2023/11778 ~ Complete ~54:IMPROVED METHOD FOR DETERMINING THE SEX OF A CHICK ~71:Egg-Chick Automated Technologies, Rue Alfred Nobel, Zone Industrielle du Vern, LANDIVISIAU 29400, FRANCE, France ~72: BOUKAMCHA, Hamdi;CHAPELET, Thierry~ 33:FR ~31:2107408 ~32:08/07/2021

2023/11786 ~ Complete ~54:IMPROVED PROP ASSEMBLIES ~71:R.J. Goldspink Pty Limited, 3 Cook Place, MUDGEE 2850, NSW, AUSTRALIA, Australia ~72: BLATTMANN, Lee;GOLDSPINK, Robert;SY, Billy~ 33:AU ~31:2021901580 ~32:26/05/2021

2023/11789 ~ Complete ~54:TEMPERATURE COMPENSATION METHOD AND APPARATUS BASED ON DIRECT CURRENT CHARGING BASE ~71:JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD., No. 1801, Unit 1, Building 13, Wanlongshuiwan (One), Chaofan Street, High-Tech Development Zone, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110839832.2 ~32:23/07/2021

2023/11794 ~ Complete ~54:MOLTEN SALT NUCLEAR REACTOR CORE ~71:COPENHAGEN ATOMICS A/S, Maskinvej 5 2860 Søborg, Denmark ~72: ASLAK STUBSGAARD;THOMAS JAM PEDERSEN~ 33:DK ~31:PA202170280 ~32:31/05/2021;33:DK ~31:PA202170281 ~32:31/05/2021;33:DK ~31:PA202170282 ~32:31/05/2021

2023/11798 ~ Complete ~54:STABLE LIQUID PHARMACEUTICAL COMPOSITIONS HAVING HIGH DRUG LOADINGS OF MEDIUM CHAIN TRIGLYCERIDES AND METHODS RELATED THERETO ~71:CERECIN INC., 44 Cook Street, Suite 100-71, Denver, Colorado, 80206, United States of America ~72: AIKUN JULIE LIU;BENJAMIN BOYD;MURALI NAIR C K BALACHANDRAN;SAMUEL T HENDERSON;THOMAS KAASGAARD~ 33:US ~31:63/192,826 ~32:25/05/2021

2023/11733 ~ Provisional ~54:INDIUM-NANOKESTERITE PVC ~71:Emmanuel Iheanyichukwu Iwuoha, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;Sodiq Tolulope Yussuf, SensorLab (University of the Western Cape Sensor Laboratories), South Africa ~72: Emmanuel Iheanyichukwu Iwuoha;Sodiq Tolulope Yussuf~

2023/11719 ~ Provisional ~54:COOKING ~71:Richard Douglas Chadwick, 120 West RD North, South Africa ~72: Richard Douglas Chadwick~

2023/11722 ~ Provisional ~54:A METHOD FOR MANUFACTURING PACKAGING MATERIAL ~71:PIENAAR, Zahné, 15 BRIDGE STREET, ROSEBANK, CAPE TOWN, 7700, SOUTH AFRICA, South Africa;VAN SCHALKWYK, Leanne, 36 NOORDWAL-OOS ST, STELLENBOSCH, 7600, SOUTH AFRICA, South Africa ~72: PIENAAR, Zahné;VAN SCHALKWYK, Leanne~

2023/11743 ~ Complete ~54:BLOOD STORAGE SYSTEM AND WORKING METHOD THEREOF ~71:CHONGQING MEDICAL AND PHARMACEUTICAL COLLEGE, No.82 Daxuecheng Middle Road, Shapingba District, People's Republic of China ~72: LI, Shunping;TIAN, Yunbo;XU, Yongzhu;ZHANG, Huimei;ZHANG, Mingyong~ 33:CN ~31:202310962185.3 ~32:31/07/2023

2023/11748 ~ Complete ~54:TUBULAR FLUX-CORED ELECTRODE AND PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD., No. 149 Kexue Avenue, Zhengzhou Hi-tech Industries Development Zone, Zhengzhou, Henan, 450001, People's Republic of China ~72: HAIYAN ZHANG;JIAXU DUAN;WEI WEI;WEI YANG;XU WANG;ZHANQI GAO;ZHIQUAN HUANG~ 33:CN ~31:2023106801604 ~32:08/06/2023

2023/11753 ~ Complete ~54:STABLE SYSTEM FOR INDUSTRIAL CONTROL HOST INTEGRATED INTO SHIP SYSTEMS ~71:MINGPAI TECHNOLOGY GROUP CO., LTD, 2nd Floor, Fusion Building, No. 687 Fusion Road, Huangdao District, Qingdao City, People's Republic of China ~72: Hongfeng CHEN;Wei REN~ 33:CN ~31:2022116563044 ~32:22/12/2022

2023/11756 ~ Complete ~54:METHOD AND SYSTEM FOR ANALYZING RISK DEGREE OF FLASH FLOOD DITCH BASED ON COMPREHENSIVE FEATURES OF MICRO-DRAINAGE BASIN ~71:China Institute of Water Resources and Hydropower Research, 1 Yuyuantan South Road, Haidian District, BEIJING 100038, CHINA (P.R.C.), People's Republic of China ~72: LIU, Qi;LIU, Ronghua;SUN, Chaoxing;TU, Yong;ZHAI, Xiaoyan;ZHANG, Cheng;ZHANG, Hongbin;ZHANG, Xiaolei;ZHOU, Rong~ 33:CN ~31:2022116836183 ~32:27/12/2022

2023/11759 ~ Complete ~54:HIGH CONCENTRATION PHOTOVOLTAIC-THERMAL MODULES AND ASSOCIATED COMPONENTRY FOR COMBINED HEAT AND POWER SOLAR SYSTEMS ~71:1930106 ONTARIO LIMITED, 242 Maki Avenue Sudbury, Canada;C.K. HOWARD SALES AGENCY LTD., 415 Paddy Lake Road Sudbury, Canada ~72: LEDUC, Gilles~ 33:US ~31:63/192,386 ~32:24/05/2021

2023/11763 ~ Complete ~54:TRANSACTION SYSTEM AND METHOD ~71:VENTER, Johannes Petrus, 13 Bali on Leith, 82 Leith Road, South Africa ~72: VENTER, Johannes Petrus~ 33:ZA ~31:2021/05445 ~32:30/01/2022

2023/11770 ~ Complete ~54:TISSUE CULTURE VESSEL FOR PREPARATION OF COMPRESSED HYDROGEL SKIN GRAFTS AND RELATED METHODS AND SYSTEMS ~71:CUTISS AG, Grabenstrasse 11, SCHLIEREN 8952, SWITZERLAND, Switzerland ~72: ARNET, Roman;BEYER, Christian;COEN, Charles;DITTRICH, Anna-Lena;GRAF, Siegfried;HOLENSTEIN, Claude Nicolas;KRASNOPOLSKI, Krzysztof;LEDROIT, Diane;RONFARD, Vincent;SCHMID, Noa;WEDER, Gilles~ 33:US ~31:63/212,662 ~32:20/06/2021;33:US ~31:63/240,360 ~32:02/09/2021

2023/11783 ~ Complete ~54:SYSTEM AND METHOD FOR PRODUCTION OF HOT BRIQUETTED IRON (HBI) CONTAINING FLUX AND/OR CARBONACEOUS MATERIAL ~71:Midrex Technologies, Inc., 3735 Glen Lake Dr., Suite 400, CHARLOTTE 28208, NC, USA, United States of America ~72: ASTORIA, Todd;HATAKEYAMA, Taiji;MICHISHITA, Haruyasu~ 33:US ~31:63/213,307 ~32:22/06/2021;33:US ~31:17/843,013 ~32:17/06/2022

2023/11791 ~ Complete ~54:THREAT INTELLIGENCE SYSTEM AND THREAT INTELLIGENCE MODEL TRAINING METHOD ~71:BEIJING KNOWNSEC INFORMATION TECHNOLOGY CO., LTD., Room 311501, Unit 1, Building 5, No. 1 Yard, Futong East Avenue, People's Republic of China ~72: WANG, Huan;YUE, Yongpeng~ 33:CN ~31:202211578471.1 ~32:09/12/2022

2023/11795 ~ Complete ~54:HALLUCINOGEN-FATTY ACID COMBINATION ~71:MINDSET PHARMA INC., 217 Queen Street West, Suite 401 Toronto, Ontario, M5V 0R2, Canada ~72: ABDELMALIK SLASSI;GUY ANDREW HIGGINS;JOSEPH ARAUJO;JOSEPH GABRIELE~ 33:US ~31:63/202,081 ~32:26/05/2021

2023/11724 ~ Provisional ~54:AN INLET STEM AND PRESSURE REGULATOR FOR A PRESSURE VESSEL ~71:REBELLO, Glenton William, 708 Old Pretoria Main Road, Wynberg, SANDTON 2090, SOUTH AFRICA, South Africa ~72: BENNETT, Travis;REBELLO, Glenton William~

2023/11727 ~ Provisional ~54:ALLOY PRODUCED BY ADDITIVE MANUFACTURING ~71:CSIR, Scientia, Pretoria 0002, SOUTH AFRICA, South Africa;Tshwane University of Technology, Arcadia Campus, 175 Mandela Drive, Arcadia, PRETORIA 0083, Gauteng Province, SOUTH AFRICA, South Africa ~72: PITAYNA, Sisa Lesley;POPOOLA, Olawale Muhammed;POPOOLA, Patricia Abimbola Idowu;RAJI, Sadiq Abiola;TLOTLENG, Monnamme~

2023/11731 ~ Provisional ~54:TB-INTERFERONSENS ~71:EMMANUEL IHEANYICHUKWU IWUOHA, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;ONYINYECHI VIVIAN UHUO, SensorLab (University of the Western Cape Sensor Laboratories), South Africa;SAMANTHA FIONA DOUMAN, SensorLab (University of the Western Cape Sensor Laboratories), South Africa ~72: EMMANUEL IHEANYICHUKWU IWUOHA;ONYINYECHI VIVIAN UHUO;SAMANTHA FIONA DOUMAN~

2023/11740 ~ Complete ~54:A DUST SUPPRESSION SYSTEM FOR PRODUCTIVE DUST CONTROL AT UNDERGROUND LOADING AND CRUSHING POINTS ~71:Taiyuan University of Science and Technology, No. 66 West Middle Ring Road, Wanbailin District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Hao Yongjiang;Zhao Zhenbao;Zhe Handong~ 33:CN ~31:2023233264683 ~32:07/12/2023

2023/11745 ~ Complete ~54:SYSTEM AND METHOD FOR ENABLING DYNAMIC REGROUPING OF ICONS ON A GUI WITHOUT REQUIRING RECONFIGURATION ~71:APPVIEWX INC., 222 Broadway, FI 19 - New York, United States of America ~72: BHAVANAM, Kotilinga Reddy;RAMASWAMY, Narmadha;SHANMUGAM, Gowthamkumar;SUNDARARAJAN, Indhuja~ 33:US ~31:63,435,161 ~32:23/12/2022

2023/11752 ~ Complete ~54:HARDFACING LAYER PREPARATION METHOD AND DEVICE ~71:ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD., No. 149 Kexue Avenue, Zhengzhou Hi-tech Industries Development Zone, Zhengzhou, Henan, 450001, People's Republic of China ~72: HAIYAN ZHANG;JIAXU DUAN;WEI WEI;WEI YANG;XU WANG;ZHANQI GAO;ZHIQUAN HUANG~ 33:CN ~31:2023106801746 ~32:08/06/2023

2023/11755 ~ Complete ~54:COATED PRODUCT ~71:Venator Materials UK Limited, Titanium House, Hanzard Drive, Wynyard Park, STOCKTON-ON-TEES TS22 5FD, DURHAM, UNITED KINGDOM, United Kingdom ~72: EDWARDS, John L.;ROBB, John;TEMPERLEY, John~ 33:GB ~31:1502250.2 ~32:11/02/2015

2023/11762 ~ Complete ~54:EDGE COATING OF SUBSTRATES, ESPECIALLY PLATE-SHAPED SUBSTRATES ~71:JOWAT SE, Ernst-Hilker-Straße 10-14, Germany ~72: BENZ, Ina;GÖRDER, Tim;TERFLOTH, Christian~ 33:DE ~31:10 2021 117 136.9 ~32:02/07/2021;33:DE ~31:10 2021 120 894.7 ~32:11/08/2021;33:DE ~31:10 2021 122 622.8 ~32:01/09/2021

2023/11769 ~ Complete ~54:NOVEL RNA THERAPEUTICS AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BELLINGER, Melissa Ann;BEYER, Thomas Patrick;CHENG, Christine Chih-Tao;EGGEN, MariJean;LACKNER, Gregory Lawrence;MILES, Rebecca Ruth;WANG, Jibo~ 33:US ~31:63/214,555 ~32:24/06/2021;33:US ~31:63/214,584 ~32:24/06/2021

2023/11779 ~ Complete ~54:AN INCRETIN ANALOG FOR USE IN GLYCEMIC CONTROL AND WEIGHT MANAGEMENT ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: COSKUN, Tamer;MILICEVIC, Zvonko;URVA, Shweta~ 33:US ~31:63/213,956 ~32:23/06/2021

2023/11801 ~ Complete ~54:AZOLE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: MING XU;THOMAS FRANCIS PAHUTSKI JR~ 33:US ~31:63/214,420 ~32:24/06/2021

2023/11721 ~ Provisional ~54:A DISPLACEMENT ASSEMBLY ~71:JOUBERT, Louis, Hoogenhout, 26 SONNEDOU, WELGEVONDEN, STELLENBOSCH, 7600, SOUTH AFRICA, South Africa ~72: JOUBERT, Louis, Hoogenhout~

2023/11739 ~ Complete ~54:SIMULATION METHOD OF RESIDUAL VOID POSITION IN ROCK STRATA IN COAL MINING SUBSIDENCE AREA ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China;Zhejiang College of Construction, Gaojiaoyuan, Xiaoshan District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: FAN Zhezhe;FU Hao;LIU Jiawei;PAN Junkui;PENG Lanshi;SUN Chen;WANG Kun~

2023/11749 ~ Complete ~54:CEMENTING MATERIAL BASED ON CALCINED CLAY AND PREPARATION METHOD THEREFOR ~71:CBMI CONSTRUCTION CO., LTD., No.7 Xingfu Road, Fengrun District, Tangshan, Hebei, 064000, People's Republic of China;CHINA BUILDING MATERIALS ACADEMY CO., LTD., No. 1, Guanzhuangdongli, Chaoyang District, Beijing, 100024, People's Republic of China ~72: BIN WANG;JIAYUAN YE;KAI LUO;LAIGOU TONG;WENSHENG ZHANG;XIAO ZHI;XUEHONG REN;YING TAO~ 33:CN ~31:202311407617.0 ~32:27/10/2023

2023/11750 ~ Complete ~54:TELEHANDLER WITH AUTOMATIC RECOGNITION OF ENERGY SOURCES ~71:MANITOU ITALIA S.R.L., Via Cristoforo Colombo 2, Castelfranco Emilia (Modena), 41013, Italy ~72: MARCO IOTTI~ 33:IT ~31:102022000026838 ~32:27/12/2022

2023/11757 ~ Complete ~54:APPLICATION OF A RED-BILLED GULL IFN-GAMMA GENE AND ITS ENCODED RECOMBINANT PROTEIN ~71:Yunnan Agricultural University, No.95, Jinhei Street, Panlong District, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: Feiyan Dai;Gang Duan;Hua Chang;Xun Xiang~ 33:CN ~31:202311302008.9 ~32:10/10/2023

2023/11758 ~ Complete ~54:A UNIDIRECTIONAL FUEL NOZZLE FOR IMPROVING FUEL ATOMIZATION IN A CARBURETOR OR SIMILAR APPARATUS ~71:BERNARDO, Rommel, 174 E. DELA PAZ STREET, SAN ROQUE MARIKINA, 1801 (PH), MARIKINA, Philippines ~72: BERNARDO, Rommel~ 33:PH ~31:12021050239 ~32:25/05/2021

2023/11771 ~ Complete ~54:DEPLETION OF ACTIVATED HEPATIC STELLATE CELLS (HSCS) AND USES THEREOF ~71:Laekna Therapeutics Shanghai Co., Ltd., 5th Floor, 987 Cailun Road, Zhangjiang, SHANGHAI 201203, PUDONG, CHINA (P.R.C.), People's Republic of China ~72: GU, Xiang-Ju Justin;LU, Chris Xiangyang;ZHANG, Minhua;ZHANG, Ruipeng~ 33:IB ~31:2021/104201 ~32:02/07/2021

2023/11777 ~ Complete ~54:LIGAND-DRUG CONJUGATE AND USE THEREOF ~71:Coherent Biopharma (Suzhou), Limited, C36-2F No. 218 Xinghu Street, Industrial Park, SUZHOU 215123, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: BU, Tingting;GU, Longjun;HUANG, Baohua Robert;MAO, Shengfei;QIAN, Gang;SHAO, Jun;TAN, Wei;WANG, Guitao;WANG, Zhongbo~ 33:IB ~31:2021/102377 ~32:25/06/2021

2023/11784 ~ Complete ~54:METHOD FOR INSPECTING, AS THEY PASS, EGGS PLACED IN CONTAINERS ~71:Egg-Chick Automated Technologies, Rue Alfred Nobel Zone Industrielle du Vern, LANDIVISIAU 29400, FRANCE, France ~72: L HARIDON, Devan;TRUBUIL, Laura~ 33:FR ~31:2105779 ~32:01/06/2021

2023/11792 ~ Complete ~54:ENERGY-EFFICIENT PYROMETALLURGICAL PROCESS FOR TREATING LI-ION BATTERIES ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: LENNART SCHEUNIS~ 33:EP ~31:21176046.7 ~32:26/05/2021

2023/11796 ~ Complete ~54:BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF ~71:NIHON NOHYAKU CO., LTD., 19-8, Kyobashi 1-chome Chuo-ku, Tokyo, 1048386, Japan ~72: HIROKAZU FUJIHARA;KOSUKE FUKATSU;RYOSUKE TANAKA;SHUNSUKE FUCHI~ 33:JP ~31:2021-092795 ~32:02/06/2021;33:JP ~31:2022-021145 ~32:15/02/2022

2023/11799 ~ Complete ~54:IMPROVED HYBRID SMELTING SYSTEM ~71:EESTECH EUROPE HOLDINGS BV, Kingsfordweg 151, 1043 GR Amsterdam, Netherlands ~72: CHAD DANIEL LEHMAN;MURRAY JAMES BAILEY~ 33:GB ~31:2108524.6 ~32:15/06/2021

2023/11807 ~ Provisional ~54:SECURITY LOCKING DEVICE ~71:TJAART STEFANUS PETRUS VAN DER WALT, 151 Markus St Pretoria, South Africa ~72: TJAART STEFANUS PETRUS VAN DER WALT~

2023/11808 ~ Provisional ~54:SOLAR HEATING LAPA ~71:ANNA JOHANNA VAN DER WALT, 151 Markus St Villieria Pretoria, South Africa ~72: ANNA JOHANNA VAN DER WALT~

2023/11726 ~ Provisional ~54:DEVICE FOR A HOT WATER TANK ~71:POWEROPTIMAL (PTY) LTD, 88 12th Avenue, South Africa ~72: GOEDHART, Andrew Peregrin~

2023/11736 ~ Complete ~54:SYSTEM FOR ACQUIRING WATER SAMPLE OF WETLAND BASED ON UNMANNED AERIAL VEHICLE (UAV) ~71:Hainan Academy of Forestry Sciences (Hainan Academy of Mangrove Research), No. 141, Guilinxia Road, Qiongsan District, Haikou City, Hainan Province, 571199,

People's Republic of China ~72: CHEN Xiaohua;CHEN Yiqing;CHEN Zongzhu;LEI Jinrui;LI Yuanling;WU Tingtian~ 33:CN ~31:202211668553.5 ~32:24/12/2022

2023/11738 ~ Complete ~54:BLIND DETECTION ALGORITHM OF UAV FREQUENCY HOPPING SIGNAL BASED ON ADAPTIVE MORPHOLOGY ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Bilu Luo;Junwei Zhang;Naijia Xiao;Xiaoji Wei;Yanjun Ji;Yongqi Wang~

2023/11741 ~ Complete ~54:BI-INJECTION MOLDED HOUSING OF A LOCKING CAP FOR A PHARMACEUTICAL VIAL ~71:A. RAYMOND ET CIE, 113 COURS BERRIAT, 38000 GRENOBLE, FRANCE, France ~72: HAMADENE, Sofien~ 33:FR ~31:FR2300929 ~32:01/02/2023

2023/11754 ~ Complete ~54:METHOD AND SYSTEM FOR CONTINUOUSLY MONITORING HEIGHT OF WATER DIVERSION FISSURE ZONE UNDERGROUND IN REAL TIME ~71:HUANENG COAL TECHNOLOGY RESEARCH CO., LTD, 299 Indigo Factory, Fengtai District, People's Republic of China;HUANENG QINGYANG COAL POWER CO., LTD. HETAOYU COAL MINE, 299 Indigo Factory, Fengtai District, People's Republic of China ~72: FENG, Laihong;GU, Leiyu;HAO, Jiaoyang;HU, Bing;JIAO, Jianjun;LIANG, Gelong;YANG, Xiaoquan;YIN, Caiyun;ZHOU, Quanchao~ 33:CN ~31:2023106516018 ~32:02/06/2023

2023/11765 ~ Complete ~54:FAT COMPOSITION AND WATER-IN-OIL EMULSION ~71:Bunge Finland OY, Raisionkaari 55, RAISIO 21200, FINLAND, Finland;Bunge Lodens Crocklaan B.V., Hogeweg 1, WORMERVEER 1521AZ, THE NETHERLANDS, Netherlands;Walter Rau Lebensmittelwerke GmbH, Münsterstrasse 9-11, HILTER AM TEUTOBURGER WALD 49176, GERMANY, Germany ~72: DONG, Jiajia;MA, Jun;MULDER, Hendrikus;PIISPA, Eija Marjatta;SIEKER, Ina~ 33:EP ~31:21175725.7 ~32:25/05/2021

2023/11781 ~ Complete ~54:AMINO ACID HYDRATION FORMULATION AND METHOD OF USE ~71:The Coca-Cola Company, One Coca-Cola Plaza, NW, ATLANTA 30313, GA, USA, United States of America ~72: GAJULA, Dattatreya;KARAVA, Nilesh Bansilal;REN, Haiyu;SHI, Yu~ 33:US ~31:63/194,567 ~32:28/05/2021

2023/11787 ~ Complete ~54:REGENERATIVE POLYPEPTIDES AND USES THEREOF ~71:JUVENA THERAPEUTICS, INC., 640 Galveston Drive, Redwood City, United States of America ~72: LI, Zhihua;MAI, Thach;O'CONNELL, Jeremy;YOUSEF, Hanadie~ 33:US ~31:63/259,088 ~32:21/06/2021

2023/11790 ~ Complete ~54:C2 SERVER IDENTIFICATION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND READABLE STORAGE MEDIUM ~71:BEIJING KNOWNSEC INFORMATION TECHNOLOGY CO., LTD., Room 311501, Unit 1, Building 5, No. 1 Yard, Futong East Avenue, People's Republic of China ~72: LI, Yanjun;WANG, Yixiong~ 33:CN ~31:202211539414.2 ~32:02/12/2022

2023/11797 ~ Complete ~54:BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF ~71:NIHON NOHYAKU CO., LTD., 19-8, Kyobashi 1-chome Chuo-ku, Tokyo, 1048386, Japan ~72: HIROKAZU FUJIHARA;KOSUKE FUKATSU;RYOSUKE TANAKA~ 33:JP ~31:2021-092798 ~32:02/06/2021;33:JP ~31:2022-021150 ~32:15/02/2022

2023/11806 ~ Complete ~54:ANTIBACTERIAL COLORED SPUN YARN AND COLOR SPINNING PROCESS THEREOF ~71:ANHUI HANLIAN TOP DYED MELANGE YARN CO., LTD., No. 22 Yongxing West Road, Industrial Park, Lixin County, Bozhou City, People's Republic of China ~72: HOU, Shuai;JI, Kang;ZHANG, Heng;ZHANG, Yi;ZHENG, Yang~

- APPLIED ON 2024/01/02 -

2024/00092 ~ Complete ~54:ANTIMICROBIAL WOUND DRESSING ~71:MEDTRADE PRODUCTS LIMITED, Electra House, Crewe Business Park, United Kingdom ~72: HOGGARTH, Andrew~ 33:GB ~31:2107893.6 ~32:02/06/2021

2024/00094 ~ Complete ~54:FORMULATION OF MICROPARTICLES BASED ON POLYPHENOLIC COMPOUNDS CAPABLE OF SCAVENGING FREE RADICALS PRESENT IN POLLUTED AIR AND IN SMOKE ~71:EMAMI, Iman, 95 Avenue de Paris, 92320, CHATILLON, France ~72: EMAMI, Iman~ 33:FR ~31:2105378 ~32:24/05/2021

2024/00104 ~ Complete ~54:METHOD FOR EVALUATING WATER RICHNESS OF BOTTOM AQUIFER OF CENOZOIC LOOSE LAYER OF COAL MINE ~71:HUAINAN NORMAL UNIVERSITY, Dongshan West Road, Huainan, Anhui, 232038, People's Republic of China ~72: Dong LI;Fenghui LI;Kaifeng HUANG;Keliang ZHAN;Litong DOU;Yaoshan BI~ 33:CN ~31:2023113908790 ~32:25/10/2023

2024/00111 ~ Complete ~54:TREATMENT OF PD-L1 NEGATIVE OR LOW EXPRESSING CANCER WITH ANTI-ICOS ANTIBODIES ~71:KYMAB LIMITED, The Bennet Building (B930), Babraham Research Campus, United Kingdom ~72: DEANTONIO, Cecilia;NEWTON, Anthea;PALU, Cintia Cristina;QUARATINO, Sonia;SAINSON, Richard Charles Alfred;WAKE, Matthew Stephen~ 33:GB ~31:2107994.2 ~32:04/06/2021

2024/00117 ~ Complete ~54:BENZOTHIA(DI)AZEPINE COMPOUNDS AND THEIR USE AS BILE ACID MODULATORS ~71:Albireo AB, Arvid Wallgrens backe 20, GÖTEBORG 413 46, SWEDEN, Sweden ~72: GILLBERG, Per-Göran;KULKARNI, Santosh S.;STARKE, Ingemar~ 33:IN ~31:202111024711 ~32:03/06/2021

2024/00121 ~ Complete ~54:SYNERGY BETWEEN MIXTURES OF ISOTHIOCYANATES AND COMMERCIAL FUNGICIDES ~71:AgroSustain SA, Rue de Lausanne 64, RENENS 1020, SWITZERLAND, Switzerland ~72: DUBEY, Olga;DUBEY, Sylvain;GUIGNARD, Florian;PEDRAZZETI, Matteo~ 33:EP ~31:21183776.0 ~32:05/07/2021

2024/00004 ~ Provisional ~54:MOBILE VOICE CALL ADVERTISING ~71:Winter zozì, 145 second street, South Africa ~72: winter zozì~

2024/00007 ~ Provisional ~54:MOTOR/GENERATOR WITH AXIALLY ARRANGED PHASES ~71:IGNJATOVIC, Dragan, 4A Leentjiesklip Crescent, Waterfront, LANGEBAAN 7357, Western Cape, SOUTH AFRICA, South Africa ~72: IGNJATOVIC, Dragan~

2024/00009 ~ Complete ~54:HIGHWAY CRACK TREATMENT DEVICE ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: HU Guoping;LI Hui;LIU Jiawei;PENG Lansì;ZHANG Huiyuan;ZHANG Yongcun~

2024/00013 ~ Complete ~54:FILM-WINDING STUBBLE-COLLECTING DEVICE FOR RECYCLING RESIDUAL FILMS ~71:Tarim University, 1487 East Tarim Dadao, Alar City, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: AN Jing;LIU Yang;NIU Hao;TANG Yurong;ZHANG Hong;ZHANG Yongcheng~ 33:CN ~31:202310478526X ~32:28/04/2023

2024/00014 ~ Complete ~54:APPARATUS AND METHOD FOR PERFORMING MAGNETIC SEPARATION ~71:MMS METALS (PTY) LTD, 2 Graniet Street, Wilkoppies, South Africa ~72: LE ROUX, Charles Roberts~ 33:ZA ~31:2022/13909 ~32:22/12/2022

2024/00019 ~ Complete ~54:A PORTABLE CIRCUIT TESTING INSTRUMENT ~71:Zhejiang Technical Institute of Economics, No.66 Xuezheng Street, Baiyang Street, Qiantang District, Hangzhou, Zhejiang, 310018, People's

Republic of China ~72: HAONAN YU;JIABO YU;JIANJUN XU;TENGFEI XIANG;YU WU;YU ZHANG;ZHENGKAI WANG;ZIYUN YAO;ZUNSHENG XIAO~

2024/00021 ~ Complete ~54:LINK11 SIGNAL IDENTIFICATION METHOD BASED ON CUMULATIVE AUTOCORRELATION ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Chunfang Gao;Wenhong Xiao;Xiaoji Wei;Yanjun Ji;Yifan Chen~

2024/00025 ~ Complete ~54:WEARABLE PASSIVE LICE ELIMINATOR ~71:Noam Drori, 5 Hadror St, Yavne, 81531, Israel ~72: Noam Drori~ 33:US ~31:63/436,882 ~32:04/01/2023

2024/00030 ~ Complete ~54:APPLICATION OF BACTROCERA DORSALIS INTESTINAL BACTERIA IN PREPARING BACTROCERA DORSALIS ATTRACTANT ~71:Institute of Microbiology, Jiangxi Academy of Sciences (Jiangxi Institute of Watershed Ecology), No. 7777 Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: DENG, Tao;GU, Bintao;LI, Ya;LIU, Lan;WANG, Hongxiu;YANG, Chunhua;ZHANG, Hongyu;ZHANG, Zhihong~

2024/00032 ~ Complete ~54:APPLICATION OF TUSC5 GENE ASSOCIATED WITH INTRAMUSCULAR FAT CONTENT IN DUROC PIGS ~71:Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, No.23788 Gongye North Road, Licheng District, Jinan, Shandong Province, People's Republic of China;Zhejiang University, No.866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: GUO Jianfeng;LI Jingxuan;SHAN Tizhong;WANG Jiyong;WANG Yanping;ZHAO Xueyan~

2024/00042 ~ Complete ~54:A METHOD FOR EXTRACTING AND MANAGING INFORMATION OF SURFACE UNEVEN DEFORMATION OF AIRPORT IN RECLAMATION AREA ~71:Southwest Jiaotong University, No. 111, North Section 1, Second Ring Road, Jinniu District, Chengdu, Sichuan, 610031, People's Republic of China ~72: Age SHAMA;Anmengyun LIU;Guoxiang LIU;Jichao LV;Rui ZHANG;Runqing ZHAN;Ting WANG;Xin BAO~

2024/00113 ~ Complete ~54:ADJUVANTED INACTIVATED RECOMBINANT RABIES VIRUS VECTORED CORONAVIRUS VACCINE FORMULATIONS ~71:BHARAT BIOTECH INTERNATIONAL LIMITED, Genome Valley, Turkapally, Shameerpet, India ~72: BRUNDA, Ganneru;ELLA, Krishna Murthy;MULUGU, Narasimha Reddy;VADREVVU, Krishna Mohan;VELLIMEDU KANNAPPA, Srinivas~ 33:IN ~31:202141021918 ~32:31/05/2021

2024/00122 ~ Complete ~54:NOVEL PHARMACEUTICAL SALTS AND POLYMORPHIC FORMS OF AN ERBB AND BTK INHIBITOR ~71:Dizal (Jiangsu) Pharmaceutical Co., Ltd., No.199 Liangjing Road, Zhangjiang Hi-Tech Park, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: CHANG, Shih-Ying;GUO, Qinghai;JIANG, Jianan;TSUI, Honchung;YANG, Zhenfan;ZENG, Qingbei;ZHANG, Xiaolin;ZHENG, Jun-Cheng~ 33:IB ~31:2021/110048 ~32:02/08/2021

2024/00126 ~ Complete ~54:CRISPR-TRANSPOSON SYSTEMS FOR DNA MODIFICATION ~71:THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 412 Low Memorial Library, 535 West 116th Street, New York, New York, 10027, United States of America ~72: ALEJANDRO CHAVEZ;GEORGE DAVIS LAMPE;REBECA TERESA KING DAVIDSON;SAMUEL HENRY STERNBERG;SANNE EVELINE KLOMPE~ 33:US ~31:63/197,889 ~32:07/06/2021;33:US ~31:63/211,631 ~32:17/06/2021;33:US ~31:63/236,337 ~32:24/08/2021;33:US ~31:63/284,837 ~32:01/12/2021

2024/00053 ~ Complete ~54:AN OBSERVATION DEVICE AND METHOD FOR MEASURING THE ABSOLUTE CONVERGENCE OF A TUNNEL'S SURFACE ~71:North China Institute of Science and Technology, NO.467 Xueyuan Street, Sanhe City, Langfang City, Hebei Province, People's Republic of China;State Energy Group Ningxia Coal Industry Co., Ltd. Shicao Village Coal Mine, Yongli Village, Ningdong Town, Lingwu City, Yinchuan

City, Ningxia Hui Autonomous Region, People's Republic of China ~72: Guo Jingzhong;Hu Yajun;Liu Yude;Wang Hu;Wei Qiming;Yang Yuanzhong;Yang Zongquan;Zhang Hailong~

2024/00062 ~ Complete ~54:IDENTIFICATION METHOD FOR SALT TOLERANCE OF SOYBEANS AT GERMINATION STAGE ~71:Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, No. 12 Zhongguancun South Street, Haidian District, Beijing, 100081, People's Republic of China ~72: GUAN, Rongxia;LIU, Xinyue;QIU, Lijuan~

2024/00063 ~ Complete ~54:PREFABRICATED NON-COMBINED SANDWICH ELECTRIC HEATING HEAT PRESERVATION WALLBOARD ~71:Shenyang Jianzhu University, 25 Hunnan Middle Road, Hunnan District, Shenyang City, Liaoning Province, 110168, People's Republic of China ~72: LIU, Lin~

2024/00086 ~ Complete ~54:METHOD OF WATER-PRESERVED COAL MINING IN LIGHT-COLOURED CLAY AREA ~71:China University of Mining and Technology, No. 1, Daxue Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;Liupanshui Normal University, 288 Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China;Shaanxi Yulin Energy Group Yushen Coal Power Co., Ltd., No. 223 Yulin People's Building, Mingzhu Avenue, High-tech Zone, Yulin City, Shaanxi Province, 719000, People's Republic of China ~72: BAI, Ruhong;FAN, Limin;GAO, Ying;LI, Bo;LI, Tao;LI, Xiaolong;LIU, Ningping;SUN, Kui;SUN, Qiang;XIAO, Siyou~ 33:CN ~31:2023115418495 ~32:17/11/2023

2024/00093 ~ Complete ~54:FRUIT SORTING APPARATUS AND METHOD ~71:REEMOON TECHNOLOGY CO., LTD., 9, Shuanglong Avenue, High Tech Zone, Xinfeng County Ganzhou, People's Republic of China ~72: LIU, Haitao;ZHU, Er;ZHU, Yi~ 33:CN ~31:202110747514.3 ~32:02/07/2021

2024/00098 ~ Complete ~54:GREENHOUSE WITH WATER RECIRCULATION SYSTEM ~71:SICHUAN AGRICULTURAL UNIVERSITY, No. 211 Huimin Road, Wenjiang District, Chengdu, Sichuan, 611130, People's Republic of China ~72: GUO Kexin;HUANG Xiaole;JIANG Chengyao;LI Mengyao;LIU Xinyuan;LU Wei;YIN Junwei;ZHENG Yangxia~ 33:CN ~31:202210390954.2 ~32:14/04/2022

2024/00102 ~ Complete ~54:INDUCTOR ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, People's Republic of China ~72: CUI, Yingchun;LI, Runchao;WANG, Hong;YANG, Peng;ZHOU, Jingxuan;ZHOU, Wei~ 33:CN ~31:202110766403.7 ~32:07/07/2021

2024/00106 ~ Complete ~54:SMART PILL DISPENSER PRESCRIPTION TREATMENT SYSTEM ~71:10XBETA, Bldg. 128 New Lab, 19 Morris Ave., United States of America ~72: KRUGER, Frederick Zacharias~ 33:US ~31:63/218,704 ~32:06/07/2021

2024/00109 ~ Complete ~54:ANTI-CD40 ANTIBODY, ANTIGEN-BINDING FRAGMENT AND MEDICAL USE THEREOF ~71:JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., No. 7 Kuntunshan Road, Economic and Technological Development Zone, People's Republic of China;SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., No. 1288 Haike Road, Zhangjiang Town, People's Republic of China ~72: LIAO, Cheng;LIN, Kan;LIN, Yuan;SU, Lu~ 33:CN ~31:202110722124.0 ~32:28/06/2021

2024/00114 ~ Complete ~54:INFLUENZA VIRUS-BASED ISOLATED RECOMBINANT VIRUS ~71:FEDERAL STATE BUDGETARY SCIENTIFIC INSTITUTION 'INSTITUTE OF EXPERIMENTAL MEDICINE', d. 12, Acad. Pavlov Street, Russian Federation;JOINT STOCK COMPANY 'BIOCAD', vn. ter.g. poselok Strelna, ul. Svyazi, d. 38, str.1, pomesch. 89, Russian Federation ~72: ALEKSANDROV, Aleksei Aleksandrovich;DORONIN, Aleksandr Nikolaevich;IAKOVLEV, Pavel Andreevich;ISAKOVA-SIVAK, Irina Nikolayevna;MATIUSHENKO, Viktoriia Arkadiyevna;MOROZOV, Dmitry Valentinovich;NETEREBSKII, Bogdan Olegovich;NISKANEN, Sergei Andreevich;OSTROUKHOVA, Tatiana Urevna;RUDENKO, Larisa

Georgievna;SHEUDZHEN, Timur Mugdinovich;STEPANOVA, Ekaterina Alekseevna;USTIUGOV, Iakov Iurevich;VLADIMIROVA, Anna Konstantinovna~ 33:RU ~31:2021121139 ~32:16/07/2021

2024/00120 ~ Complete ~54:APIXABAN FILM PRODUCT AND USES THEREOF ~71:TAHO Pharmaceuticals Ltd., 3F, No. 550, Ruiguang Rd., Neihu Dist., TAIPEI CITY 11492, TAIWAN (R.O.C.), Taiwan, Province of China ~72: LEE, Catherine;LU, Tachien~ 33:US ~31:63/208,134 ~32:08/06/2021

2024/00002 ~ Provisional ~54:FIDGETING DEVICE ~71:AGATHAGELOU, Andrea Peter, 9 Lynburn Road, South Africa ~72: AGATHAGELOU, Andrea Peter;BECKER, Leslie~

2024/00011 ~ Complete ~54:FULLY-ASSEMBLED THREADED STEEL PIPE UHPC COMBINED PILE FOUNDATION ~71:Xiangtan University, Xiangtan University, No. 27, Yanggutang, Yuhu District, Xiangtan City, Hunan Province, 411105, People's Republic of China ~72: WU, Wenpeng;XU, Fu;ZHANG, Chao~

2024/00036 ~ Complete ~54:A SORTING AND CONVEYING DEVICE FOR LOGISTICS SUPPLY CHAINS ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou, People's Republic of China ~72: Qiao Pengliang;Wang Wenjuan;Xiao Lianying;Zhang Hanfang~

2024/00048 ~ Complete ~54:FILTER DEVICE AND 2K NEGATIVE PRESSURE HEAT EXCHANGER THEREOF ~71:Institute of Modern Physics, Chinese Academy of Sciences, 509 Nanchang Rd, Chengguan District, Lanzhou,, People's Republic of China ~72: Dajun FAN;Hailin SU;Hengjuan ZHANG;Jun WEN;Junhui ZHANG;Liming ZHU;Peng ZHANG;Tao JIN;Xianjin WANG;Xiaofei NIU;Yanan LI;Yonghui YANG;Yongping HU~ 33:CN ~31:202311108065.3 ~32:31/08/2023

2024/00056 ~ Complete ~54:WEIGHT MEASURING APPARATUS ~71: TSAO, Yu-Min, 7F., No. 81, Xiao 3rd Rd., Ren'ai Dist., Taiwan (R.O.C) ~72: TSAO, Yu-Min~ 33:ROC ~31:112200766 ~32:19/01/2023;33:ROC ~31:112117389 ~32:10/05/2023

2024/00069 ~ Complete ~54:AN AUTOMATED SOLDERING STAND ASSISTS USER IN HIGH FIDELITY SOLDERING ~71:DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;JAIN, Ronit Manish, 3, NAPIER ROAD, SHOLAPUR BAZAR, PULGATE, PUNE, MAHARASHTRA, 411040, India;LENKA, Arpita Manoj, 11, OM ANKITA APARTMENTS, MANIYASHA SOCIETY, MANINAGAR EAST, AHMEDABAD, GUJARAT, 380008, India;NATH, Deepa Soumik, SCHOOL OF ECE, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: JAIN, Ronit Manish;LENKA, Arpita Manoj;NATH, Deepa Soumik~

2024/00078 ~ Complete ~54:BRIDGE TRANSIENT VIBRATION TESTING DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, New District, Pingdingshan City, People's Republic of China ~72: GAO, Fashun;HUA, Pei;LI, Yajie;MU, Jingjing;ZHANG, Xiaoguo;ZHANG, Zilu~

2024/00083 ~ Complete ~54:AN ANTIOXIDANT HIGHLAND PEDIOCOCCUS PENTOSACEUS TYR-2, ITS CELL-FREE EXTRACT, AND APPLICATIONS ~71:LANZHOU UNIVERSITY, No. 222 South Tianshui Road, Lanzhou, People's Republic of China ~72: HUANG, Xiaodan;LI, Bin;LONG, Danfeng;PANG, Miao;SUN, Haiqing;ZHANG, Ying;ZHAO, Tingting~ 33:CN ~31:2023111865767 ~32:14/09/2023

2024/00001 ~ Provisional ~54:A PROPAGATION TRAY ASSEMBLY ~71:DICK, James Quinton Cameron, 5 Cape Robin Crescent, South Africa;WRIGHT, Brennan Kevin, Spilo Business Park, Cnr Drommedaris and Skoenmaker Street, South Africa ~72: DICK, James Quinton Cameron;WRIGHT, Brennan Kevin~

2024/00008 ~ Complete ~54:METHOD FOR MICROSEISMIC EVENT LOCATING IN LAYERED STRATA
~71:Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic
of China ~72: BI Yaoshan;DOU Litong;HUANG Kaifeng;LI Dong;LI Fenghui;ZHAN Keliang~

2024/00023 ~ Complete ~54:METHOD FOR MAINTAINING STABILITY OF SURROUNDING ROCKS BY
DOWNWARD PASTE FILLING OF PRESSED COAL UNDER WATER BODY BASED ON DIGITAL TWIN
~71:China PingMei ShenMa Group, Ping'an Avenue, Xinhua District, Pingdingshan City, Henan Province,
People's Republic of China;Henan University of Urban Construction, Longxiang Avenue, Xincheng District,
Pingdingshan City, Henan Province, People's Republic of China ~72: FENG Yanan;HU Guoping;LI Hui;LI
Peng;LIU Jiawei;XIA Yingzhi;ZHANG Huiyuan~

2024/00035 ~ Complete ~54:ROADWAY LAYOUT METHOD OF FULLY MECHANIZED CAVING FACE IN
EXTRA-THICK COAL SEAM ~71:Shandong Chengtong Intelligent Equipment Co., Ltd, No. 6 Zhongbaoyan
Avenue, Industrial Park, Shuiguo Town, Shizhong District, Zaozhuang City, Shandong Province, People's
Republic of China;Zaozhuang University, Zaozhuang University, No.1 Bei'an Road, Shizhong District,
Zaozhuang City, Shandong Province, People's Republic of China ~72: FU Liangliang;SONG Meijiao;WANG
Haohao;WU Xinghui;ZHANG Shengpeng;ZHENG Libao~

2024/00050 ~ Complete ~54:NOVEL DEVICE FOR ARTIFICIAL BREEDING OF CHIROPTERA ~71:Jishou
University, No. 120, Renmin South Road, Jishou City, Hunan, 416000, People's Republic of China ~72: LI,
Jinmei;LIAO, Jinping;LIU, Zhixiao;ZHANG, Gefei~

2024/00057 ~ Complete ~54:A PHOTOVOLTAIC MICROGRID CONTROL SYSTEM ~71:Jiamusi University,
No.258 Xuefu St., Xiangyang District, Jiamusi, Heilongjiang, 154007, People's Republic of China ~72: Jia MA~

2024/00065 ~ Complete ~54:WINDSHIELD WASHER RESERVOIR ~71:TSAO, Yu-Min, 7F., No. 81, Xiao 3rd
Rd., Ren'ai Dist., Taiwan (R.O.C) ~72: TSAO, Yu-Min~ 33:ROC ~31:112117386 ~32:10/05/2023

2024/00077 ~ Complete ~54:DEVICE FOR DISPLAYING AND PRESERVING INTANGIBLE CULTURAL
HERITAGE ~71:Hunan City University, 518 Yingbin Road, Yiyang City, Hunan Province, People's Republic of
China ~72: ZHANG Qinghua~

2024/00082 ~ Complete ~54:METHOD FOR OBTAINING RAPID PROPAGATION TISSUE CULTURE OF
DENDROBIUM OFFICINALE ~71:Guizhou Normal University, School of Life Sciences, Guizhou Normal
University, Huaxi University City, Gui'an New District, Guiyang City, Guizhou Province, 550025, People's
Republic of China ~72: FENG Rui;LIU Jie;LIU Xing;MING Dan;YI Yin~

2024/00087 ~ Complete ~54:NEURAL NETWORK ACCELERATOR ~71:SYNTHARA AG, Dammstrasse 16,
6300, Zug, Switzerland ~72: NAIR, Manu Vijayagopalan~ 33:EP ~31:21182210.1 ~32:28/06/2021

2024/00096 ~ Complete ~54:RECOMBINANT PROTEINS, COMPOSITIONS AND METHODS OF
STABILIZATION THEREOF ~71:UNICHEM LABORATORIES LTD, Unichem Bhavan, Prabhat Estate Off. S. V.
Road, Jogeshwari, Mumbai, Maharashtra 400102, India ~72: IYAPPAN, Saravanakumar;JOG, Sunil;MISHRA,
Vivek;SATHE, Dhananjay~ 33:IN ~31:202121030619 ~32:08/07/2021

2024/00100 ~ Complete ~54:NEW SOLVENT-BASED DILUANT FOR GLASS SLURRY AND PREPARING
METHOD ~71:Huangshan Jingtemei New Material Co., Ltd., Industrial Park, Huangshan District, Huangshan City,
Anhui Province, 245702, People's Republic of China ~72: JIANG, Qian;ZHANG, Zhao~ 33:CN
~31:202311027843.6 ~32:16/08/2023

2024/00107 ~ Complete ~54:REAL-TIME TEMPERATURE DETECTION METHOD FOR POWER BATTERY PACK ~71:Xiamen Yudian Automation Technology Co., Ltd., Yudian Tech. Bldg., NO.17 North Huoju Rd, Huoju Park, Huoju Hi-tech District, Xiamen, People's Republic of China ~72: Yu ZHOU~ 33:CN ~31:202211255274.6 ~32:13/10/2022

2024/00089 ~ Complete ~54:VETERINARY VACCINE COMPOSITION AGAINST PARASITIC WORMS, METHOD FOR TREATING AND PREVENTING INFECTION BY PARASITIC WORMS, AND USE ~71:FABP BIOTECH DESENVOLVIMENTO EM BIOTECNOLOGIA LTDA., Rua Lasar Segall 100/114a, Joá, 22611-100, Brazil;FUNDAÇÃO OSWALDO CRUZ, Av. Brasil 4365, Manguinhos 21045-900, Brazil ~72: RAMOS, Celso, Raúl, Romero;SOUSA, Gabriel, Limaverde, Soares, Costa;TENDLER, Miriam~ 33:BR ~31:1020210129530 ~32:29/06/2021

2024/00090 ~ Complete ~54:FIXTURE DEVICE FOR PUNCHING MACHINE ~71:JILIN INSTITUTE OF CHEMICAL TECHNOLOGY, No.45 Chengde Street, Longtan District, Jilin, Jilin, People's Republic of China ~72: YOU Bo~ 33:CN ~31:2022111130624 ~32:14/09/2022

2024/00095 ~ Complete ~54:YARROWIA LIPOLYTICA GENETICALLY ENGINEERED BACTERIUM CAPABLE OF PRODUCING B-ELEMENE AND CONSTRUCTION METHOD THEREFOR, AND METHOD FOR PREPARING B-ELEMENE ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, 21 Bohai Road, Caofeidian Xincheng Tangshan, People's Republic of China ~72: LIU, Shuncheng;XU, Longxing;YUAN, Lijie~ 33:CN ~31:202310774091.3 ~32:28/06/2023;33:WO ~31:PCT/CN2023/103738 ~32:29/06/2023

2024/00101 ~ Complete ~54:SAFETY PIN LOCKING DEVICE FOR WORKPIECE TURNOVER AND WORKPIECE TURNOVER SYSTEM ~71:XUZHOU XCMG MINING MACHINERY CO., LTD., No.169 Heping Avenue, Economic and Technological Development Zone, Xuzhou, Jiangsu, 221100, People's Republic of China ~72: CHEN, Zhuo;DU, Ning;QIAO, Kuipu;QIN, Hongyi;TANG, Zhiming;WANG, Zhou;YAO, Xijiang;ZHANG, Jieshan;ZHAO, Ming~ 33:CN ~31:202110760727.X ~32:06/07/2021

2024/00105 ~ Complete ~54:CARBON REMOVAL FROM SEAWATER AND OTHER LIQUIDS USING PHOTOACTIVE COMPOUNDS ~71:UNIVERSITY OF WASHINGTON, 1100 NE Campus Parkway, Suite 200, United States of America ~72: GAGNON, Alex;SACHS, Julian~ 33:US ~31:63/215,029 ~32:25/06/2021;33:US ~31:63/265,515 ~32:16/12/2021;33:US ~31:63/363,844 ~32:29/04/2022

2024/00110 ~ Complete ~54:ANTI-BLOCKING SYSTEM AND ANTI-BLOCKING METHOD BASED ON SPLIT RING ROUND-ROBIN HEATING FOR ROTARY HEAT EXCHANGER ~71:ZHEJIANG XINGHE INTELLIGENT DEVELOPMENT TECHNOLOGY CO., LTD., No. 6-1, Xiangeun Industrial Zone, Dongyuar Town, Qingtian County Lishui, People's Republic of China ~72: SHEN, Xiannian;SHI, Weiwei;WEI, Hongqi~ 33:CN ~31:202111005676.6 ~32:30/08/2021

2024/00006 ~ Provisional ~54:A PUBLIC SECTOR SYSTEMS INNOVATION: THE ROYAL BLUEPRINT SYSTEM ~71:Nolusizo Ngubane, KHOMO ROAD, South Africa;ROYALBLUEPRINT (PTY). LTD, 13 Robinson street, 13 Robinson street, South Africa ~72: Nolusizo F. Ngubane~

2024/00010 ~ Complete ~54:FIBROUS COMPOSITE MULTILAYER FORWARD OSMOSIS MEMBRANE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Huadian Water Equipment (Tianjin) Co., Ltd., No. 10 Yuanjing Road, Wuqing Development Zone, Wuqing District, Tianjin, 301799, People's Republic of China;Tianjin University, No. 92 Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China ~72: DING, Hui;XUN, Hongmin;YE, Shurong;ZHANG, Mengling;ZHAO, Dan;ZHAO, Rui~

2024/00012 ~ Complete ~54:HYBRIDIZATION METHOD CAPABLE OF IMPROVING SEED SETTING RATE OF DENDROBIUM CANDIDUM ~71:Guizhou Normal University, School of Life Sciences, Guizhou Normal University,

Huaxi University City, Gui'an New District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: GU Yunying;LIU Jie;LIU Xing;QIU Xiangting~

2024/00020 ~ Complete ~54:METHOD FOR CONFIGURING THE NUMBER OF DETECTING INSTRUMENTS ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Dong Tao;Li jinhui;Lyu Meining;Qiu Junyi;Wang Jie~ 33:CN ~31:2023114360285 ~32:31/10/2023

2024/00024 ~ Complete ~54:EXTREME LEARNING MACHINE BASED METHOD FOR EVALUATING OPERATION STATE OF RAILWAY RELAY ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No. 111 Shenliao West Road, Shenyang Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Shuxin Liu;Yang Liu~

2024/00031 ~ Complete ~54:OPEN-TYPE DETECTION DEVICE AND METHOD FOR STEEL WIRE ROPE ~71:ZHANG, Zanguo, Room 261, No. 13, Xinjian Lane 1, Pingchuan District, Baiyin City, Gansu Province, 730900, People's Republic of China ~72: ZHANG, Zanguo~ 33:CN ~31:2023115066655 ~32:13/11/2023

2024/00043 ~ Complete ~54:AN ANTI-FREEZING AND ANTI-SLIDING DEVICE FOR MINE RAMP ~71:Kunming University of Science and Technology, No.727 Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650031, People's Republic of China ~72: Baozhu LI;Guangzhu CAO;Ronggao QIN;Ruoyo MAO;Yanfeng LU;Yi QIANG~

2024/00058 ~ Complete ~54:A POWER SUPPLY SYSTEM AND CONTROL METHOD FOR A SHIP ~71:Jiamusi University, No.258 Xuefu St., Xiangyang District, Jiamusi, Heilongjiang, 154007, People's Republic of China ~72: Jia MA~

2024/00071 ~ Complete ~54:A LIGHTPATH ROUTING AND WAVELENGTH ASSIGNMENT SYSTEM FOR TRANSLUCENT OPTICAL NETWORKS ~71:PANTHA KANTI NATH, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR, HAILAKANDI ROAD, CACHAR, ASSAM, PIN - 788010, India ~72: PANTHA KANTI NATH~

2024/00026 ~ Complete ~54:RATIO-TYPE ELECTROCHEMICAL SENSOR BASED ON MOF DUAL-SIGNAL PROBE, AND PREPARATION METHOD AND DETECTION METHOD THEREOF ~71:Henan University of Animal Husbandry and Economy, No. 6, Longzihu North Road, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: CUI, Liwei;LIU, Juntao;MA, Zhiwei;WANG, Huafen;XU, Jun;ZHANG, Jiexiang~

2024/00041 ~ Complete ~54:SCANNING PEN FOR ENGLISH TRANSLATION ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou, Anhui, People's Republic of China ~72: Cui Zhang;Haiyan Gu~

2024/00047 ~ Complete ~54:APPARATUS AND METHOD FOR MECHANICAL MIXING OF MEAT PRODUCTS ~71:EBERHARDT GMBH, Eichendorffstrasse 5, Germany ~72: EBERHARDT, Kevin~ 33:DE ~31:102023102322.5 ~32:31/01/2023

2024/00060 ~ Complete ~54:CADMIUM TELLURIDE PHOTOVOLTAIC PHOTOTHERMAL COMPONENT WITH HIGH HEAT DISSIPATION PERFORMANCE AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN Xueyi;LI Qingxiao;LIN Binna;LIU Shijie;WANG Chaoyong;WANG Jina;XU Kaidong;YANG Tong;ZHANG Xinhui;ZHAO Wenbo;ZHAO Yiming~

2024/00072 ~ Complete ~54:SYSTEM AND METHOD FOR EVALUATING ANTILEPTIC ACTIVITIES BY DRUG REPURPOSING AND CHEMOTHERAPY WITH DRUG RESCUED MOLECULES ~71:ELAVARASAN KANDASAMY, SIVARAJ SIDDHA MEDICAL COLLEGE AND HOSPITAL SALEM TAMILNADU, 636307, India;ESWARAN THANGARAJU, TSM JAIN COLLEGE OF TECHNOLOGY, MELUR VILLAGE POST, KALLAKURICHI DISTRICT - 606201, India;KOTA SESA BRAHMA SREE KRISHNA SASANKA, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, DEOGHAR PANCHAYAT TRAINING INSTITUTE, DABURGRAM JASIDIH, DEOGHAR, JHARKHAND INDIA, PIN - 814142, India;MEENALOTCHINI GURUNTHALINGAM, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR, TATIBANDH,G E ROAD, CHHATTISGARH -492099, India;PRAKASH SRINIVASAN TIMIRI SHANMUGAM, SENIOR TOXICOLOGIST, AVANOS MEDICAL, INC, GEORGIA, United States of America;PUGAZHENTHAN THANGARAJU, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR, TATIBANDH,G E ROAD, CHHATTISGARH -492099, India;SAJITHA VENKATESAN, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR, TATIBANDH,G E ROAD, CHHATTISGARH - 492099, India;SREE SUDHA TANGUTURI YELLA, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, DEOGHAR PANCHAYAT TRAINING INSTITUTE, DABURGRAM JASIDIH, DEOGHAR, JHARKHAND, PIN - 814142, India;TAMILSELVAN THANGARAJU, SHRI RAMASAMY MEMORIAL UNIVERSITY 5TH MILE, TADONG GANGTOK - 737 102, EAST SIKKIM, India;VIJAYAKUMAR ARUMUGAM RAMAMURTHY, DEPARTMENT OF PHARMACOLOGY FACULTY OF PHARMACY SREE BALAJI MEDICAL COLLEGE AND HOSPITAL BIHER,CHENNAI TAMILNADU 600044, India ~72: ELAVARASAN KANDASAMY;ESWARAN THANGARAJU;KOTA SESA BRAHMA SREE KRISHNA SASANKA;MEENALOTCHINI GURUNTHALINGAM;PRAKASH SRINIVASAN TIMIRI SHANMUGAM;PUGAZHENTHAN THANGARAJU;SAJITHA VENKATESAN;SREE SUDHA TANGUTURI YELLA;TAMILSELVAN THANGARAJU;VIJAYAKUMAR ARUMUGAM RAMAMURTHY~

2024/00081 ~ Complete ~54:METHOD FOR VEGETATIVE PROPAGATION OF SUPERIOR PLANTS OF AQUILARIA SINENSIS OF QI-NAN GERMPASMS ~71:INSTITUTE OF TROPICAL FORESTRY, CHINESE ACADEMY OF FORESTRY, No. 682, Guangshan 1st Road, Longdong Street, Tianhe District, Guangzhou City, People's Republic of China ~72: HU, Bing;LI, Xiangyang;LU, Zhaohua;ZENG, Bingshan~

2024/00015 ~ Complete ~54:CONTROL METHOD OF TANK LEACH PROCESS OF HIGH SOLID CONTENT SLURRY CONTAINING COARSE PARTICLES ~71:Beijing Research Institute of Chemical Engineering and Metallurgy, No. 145 Jiukeshu, Tongzhou District, Beijing, People's Republic of China ~72: JIA Xiumin;LIU Hui;LIU Jinlin;LIU Zhongchen;QUE Weimin;SHI Liuyin;SU Xuebin;XIANG Qiulin;ZHONG Pingru~ 33:CN ~31:2022116831207 ~32:27/12/2022

2024/00022 ~ Complete ~54:HYDRAULIC COLLAPSIBLE ROTARY STAND FOR WIRELINE CORING UNDERGROUND DRILL RIG ~71:CHIFENG HAO FENG DRILLING CO., LTD., Feihua Street, Shenzhou Road East, High-Tech Industrial Park, People's Republic of China ~72: BAI, Ruifeng~ 33:CN ~31:2023113341501 ~32:13/10/2023

2024/00033 ~ Complete ~54:METHOD, SYSTEM, APPARATUS AND MEDIUM FOR EVALUATING HIGH GROUND STRESS STATE OF ROCK MASS ~71:SHAOXING UNIVERSITY, No.508 Huancheng West Road, Shaoxing City, Zhejiang Province, 312000, People's Republic of China ~72: GUO Pengfei;LI Bo;SHA Peng;WU Faquan~

2024/00052 ~ Complete ~54:AN EFFECTIVE MINING TUNNEL APPARATUS RESISTANT TO MINING PRESSURE AND ROCK STRATA CONTROL ~71:North China Institute of Science and Technology, NO.467 Xueyuan Street, Sanhe City, Langfang City, Hebei Province, People's Republic of China;State Energy Group Ningxia Coal Industry Co., Ltd. Shicao Village Coal Mine, Yongli Village, Ningdong Town, Lingwu City, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: Guo Jingzhong;Hu Yajun;Liu Yude;Wang Hu;Wei Qiming;Yang Yuanzhong;Yang Zongquan;Zhang Hailong~

2024/00064 ~ Complete ~54:NUMERICAL SIMULATION METHOD FOR INSTANTANEOUS EVOLUTION OF HVOF THERMAL SPRAYING COMBUSTION FLAME FLOW OF LIQUID FUEL BASED ON EULER-LAGRANGE ~71:University of Science and Technology Liaoning, No.189 Qianshan Middle Road, Lishan District, Anshan City, Liaoning Province, 114051, People's Republic of China ~72: Chang LI;Han SUN;Lei FENG;Pengfei LIU;Siyu LI;Xing HAN~

2024/00070 ~ Complete ~54:A REGENERATOR SITE SELECTION SYSTEM IN OPTICAL NETWORKS ~71:PANTHA KANTI NATH, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR, HAILAKANDI ROAD, CACHAR, ASSAM, PIN - 788010, India ~72: PANTHA KANTI NATH~

2024/00085 ~ Complete ~54:EFFICIENT ISOLATING AGENT FOR FIRE POLISHING OF BOROSILICATE GLASS BEADS ~71:China Building Materials Academy Co.,Ltd., No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, People's Republic of China;China National Building Material Group Co.,Ltd., Building 2, Guohai Plaza, No. 17 Fuxing Road, Haidian District, Beijing, 100084, People's Republic of China ~72: CUI, Zhu;DAI, Changyou;JIAO, Yunjie;QI, Jianping;YANG, Debo;ZHAO, Yongxiang;ZHU, Yongchang~

2024/00127 ~ Complete ~54:ESTER COMPRISING HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DOUGLAS JOHN HIBAN;TEANOOSH MOADDEL;THOMAS ALAN KWAN;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:21183528.5 ~32:02/07/2021

2024/00003 ~ Provisional ~54:THIS SEEKS TO PATENT TRILLION DOLLAR COMPANIES, RIGHTS ~71:Amram Micaiah Mofomme, 888 Block C, South Africa ~72: Amram Micaiah Mofomme~ 33:CN ~31:1 ~32:26/06/2023;33:EP ~31:1 ~32:26/06/2023;33:OA ~31:1 ~32:26/06/2023;33:RU ~31:1 ~32:26/06/2023;33:TP ~31:1 ~32:26/06/2023;33:WO ~31:1 ~32:26/06/2023

2024/00037 ~ Complete ~54:COMPUTER CONTROL EARLY WARNING SYSTEM ~71:Zhengzhou University of Technology, No. 18 of Yingcai Street, Huiji District, Zhengzhou City, Henan Province, People's Republic of China ~72: Chenxian GUO;Guoli KONG;Jianhang ZENG;Jihai HUANG;Minchuan WANG;Zhifu ZHU~ 33:CN ~31:2023234364890 ~32:15/12/2023

2024/00049 ~ Complete ~54:GUIDANCE EQUIPMENT FOR COLLEGE STUDENTS' INNOVATION AND ENTREPRENEURSHIP ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DU Yabing;GUO Xiaoran;LIU Jian;MU Xi;QIN Tianli;WANG Judong;WANG Sijia;WEN Haolin~

2024/00055 ~ Complete ~54:ORGANIC PHOTOVOLTAIC MATERIAL BASED ON PERYLENE DIMIDE AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Wei;LIU Zhiqing~

2024/00066 ~ Complete ~54:IDENTIFICATION METHOD FOR QINGKE PLANT HEIGHT TRAITS ~71:Northwest Institute of Plateau Biology, Chinese Academy of Sciences, No. 23, Xinning Road, Xining City, Qinghai Province, 810008, People's Republic of China;Qinghai University, No. 251, Ningda Road, Xining City, Qinghai Province, 810016, People's Republic of China ~72: LI, Xin;SHEN, Yuhu;WANG, Handong;WANG, Lei;XU, Jinqing~

2024/00017 ~ Complete ~54:SAFETY LIGHT CLUSTER FOR A VEHICLE ~71:Frank PRONK, Corfu Close 1, Calypso Beach Estate, Langebaan, Western Cape, South Africa ~72: Frank PRONK~ 33:ZA ~31:2023/02176 ~32:22/02/2023

2024/00028 ~ Complete ~54:ENVIRONMENTAL MONITORING EQUIPMENT SUPPORT AND ENVIRONMENTAL MONITORING VEHICLE ~71:South China University of Technology, No. 381 Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510000, People's Republic of China ~72: OU, Runhua~

2024/00039 ~ Complete ~54:A PRODUCTION EQUIPMENT, PREPARATION METHODS, AND APPLICATIONS OF CARBON SINK ALGAE LIQUID BASED ON PHOTOSYNTHETIC GREEN ALGAE ALGAE ~71:Chinese Academy of Agricultural Sciences Institute of Agricultural Environment and Sustainable Development, No.12 Zhongguancun South Street, Haidian District, Beijing, People's Republic of China;Chongzuo microalgae life science co., ltd, No.101, Building 13, Plot 2, Taiping Ancient City Commercial Plaza, Taiping Road, Jiangzhou District, Chongzuo City, Guangxi Zhuang Autonomous Region, People's Republic of China;Dezhou difulai biology science and technology co., ltd, Floor 3, Technology Incubation Center, Science and Technology Innovation Pioneer Park, Shizhong Street, Leling City, Dezhou City, Shandong Province, People's Republic of China;Jiujiang difulai agriculture science and technology development co., ltd, Pengze County Modern Agriculture Demonstration Park Processing Zone, Jiujiang City, Jiangxi Province, People's Republic of China;Microalgae Age (Jilin) Ecological Agriculture Technology Co., Ltd., No.2 Wenti Road, Helong City, Jilin Province, People's Republic of China;Nanjing Qian Yan Rong he microalgae biotechnology group co., ltd, Room 1003, Building 01, No.118 Olympic Sports Center Street, Jianye District, Nanjing, Jiangsu, People's Republic of China;National Agricultural Technology Extension Service Center, Building 20, Maizidian Street, Chaoyang District, Beijing, People's Republic of China;Shanxi ao gan LV yuan industry technology co., ltd, 300 meters north of Jiangxian Health Hospital, Gujiang Town, Jiangxian County, Yuncheng City, Shanxi Province, People's Republic of China;Shanxi yiyuanfang science and technology development co., ltd, meters north of Red Cross Hospital in Gujiang Town, Jiang County, Yuncheng City, Shanxi Province, People's Republic of China;Yuncheng difulai biology science and technology development co., ltd, 300 meters north of Jiangxian Red Cross Hospital, Gujiang Town, Jiangxian County, Yuncheng City, Shanxi Province, People's Republic of China ~72: Fan Dapeng;Harahiro;Hu Beijuan;Ji Wei;Kong Fantao;Li Shifeng;Li Yingchun;Liu Yu tong;Liu Yuhua;Lu Qunwei;Qin Kangxi;Wang Juanping;Wang Kangjie;Wang Yafan;Wu Yong;Yu Guilan;Zhang Meiping;Zhao Kun;Zhu Zhu~

2024/00045 ~ Complete ~54:AN EXTRACTION METHOD FOR BURNED AREA BASED ON DUAL-POLARIZATION SAR REMOTE SENSING IMAGE ~71:Southwest Jiaotong University, No. 111, North Section 1, Second Ring Road, Jinniu District, Chengdu, Sichuan, 610031, People's Republic of China ~72: Age SHAMA;Guoxiang LIU;Jichao LV;Renzhe WU;Rui ZHANG;Ruikai HONG;Xin BAO;Xu HE~

2024/00068 ~ Complete ~54:A BRAKE SYSTEM SAFETY DEVICE FOR ELECTRIC VEHICLES ~71:BONDAR, Shrihari Mahadeo, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO. 124, EX- SERVICEMAN COLONY, PAUD ROAD KOTHRUD PUNE, MAHARASHTRA, 411038, India;DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;MAHESHWARI, Kunj, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO. 124, EX- SERVICEMAN COLONY, PAUD ROAD KOTHRUD PUNE, MAHARASHTRA, 411038, India;MALVIYA, Ayush, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO. 124, EX- SERVICEMAN COLONY, PAUD ROAD KOTHRUD PUNE, MAHARASHTRA, 411038, India;PAREKH, Vyom, SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO. 124, EX- SERVICEMAN COLONY, PAUD ROAD KOTHRUD PUNE, MAHARASHTRA, 411038, India ~72: BONDAR, Shrihari Mahadeo;MAHESHWARI, Kunj;MALVIYA, Ayush;PAREKH, Vyom~

2024/00074 ~ Complete ~54:A DYNAMIC PREDICTION METHOD AND DEVICE FOR MINE WATER INFLOW ~71:North China Institute of Science and Technology, NO.467 Xueyuan Street, Sanhe City, Langfang City, Hebei Province, People's Republic of China;Shaanxi Xunyi Qinggangping mining Co., LTD, Qinggangping coal mine, Qingyuan Town, Xunyi County, Xianyang City, Shaanxi province, People's Republic of China ~72: Chen

Yinde;Cui Yuping;Gao Bingqiang;Guo Jingzhong;Liu Jun;Liu Yude;Niu Yongshou;Sun Dayong;Tang Ruishan;Wang Jing;Wu Jing;Yang Yuanzhong;Zhang Haiwei;Zhang Lixin~ 33:CN ~31:202310593317X ~32:24/05/2023

2024/00080 ~ Complete ~54:RAPID SEEDLING GROWING METHOD FOR POLYGONATUM KINGIANUM SEEDS ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, NO. 23788, GONGYE NORTH ROAD, LICHENG DISTRICT, JINAN CITY, People's Republic of China;SHANDONG TAISHANGHUANGJING BIOTECHNOLOGY CO., LTD, NATIONAL MODERN AGRICULTURAL INDUSTRIAL PARK, NORTH 180 METERS OF JIUNVFENG ROAD, DAIYUE ECONOMIC DEVELOPMENT ZONE, DAIYUE DISTRICT, TAI'AN CITY, People's Republic of China ~72: CHEN, Shujun;HAN, Jinlong;SUN, Jiabo;WANG, Dan;WANG, Jianghui;WANG, Qian;WANG, Yue;ZHAO, Yanxia~

2024/00034 ~ Complete ~54:SILICON-CARBON NEGATIVE ELECTRODE MATERIAL FOR LITHIUM ION BATTERY AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHANG Linlin;DANG Liyun;GUO Yan;HU Jiyong;LIU Jiachun;XUE Fei;ZHANG Jia~39;ni;ZHANG Shuaiguo;ZHENG Fangye~

2024/00051 ~ Complete ~54:METHOD, DEVICE AND ELECTRONIC DEVICE FOR DETERMINING FAULTS OF ROTATING MACHINERY ~71:Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No.149 Science Avenue, Zhengzhou High-tech Industrial Development Zone, Henan Province, 450001, People's Republic of China ~72: Guan Tengfei;Guo Penghui;He Guanjie;Hou Nai;Li Zhisheng;Liu Jian;Xu Wenbo;Yan Shidang~ 33:CN ~31:202211718150.7 ~32:29/12/2022

2024/00054 ~ Complete ~54:AN EFFICIENT SOLID-LIQUID SEPARATION DEVICE ~71:Gansu Agricultural University, No. 1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Fangxin WAN;Guojun MA;Lizeng PENG;Qi LUO;Xiaobin MOU;Xiaopeng HUANG;Xiaoping YANG;Yanrui XU;Zepeng ZANG~

2024/00076 ~ Complete ~54:DEWATERING DEVICE FOR TEXTILE FABRICS ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: ZHOU Fen~

2024/00084 ~ Complete ~54:A NOVEL ANTIOXIDANT HIGHLAND LACTICASEIBACILLUS PARACASEI TDM-2 AND ITS CELL-FREE EXTRACT AND APPLICATIONS ~71:LANZHOU UNIVERSITY, No. 222 South Tianshui Road, Lanzhou, People's Republic of China ~72: FENG, Yan;HUANG, Xiaodan;LI, Bin;LIU, Wei;XIN, Di~ 33:CN ~31:2023103010818 ~32:24/03/2023

2024/00099 ~ Complete ~54:COLLEGE STUDENT INNOVATION AND ENTREPRENEURSHIP CREDIT MANAGEMENT SYSTEM AND METHOD BASED ON BLOCKCHAIN TECHNOLOGY ~71:DALIAN UNIVERSITY, No.10 Xuefu Street, Economic and Technological Development Zone, Dalian, Liaoning, 116622, People's Republic of China ~72: LAN, Jian;LV, Zikun;WANG, Qiang;WANG, Xieyong;XIA, Hongchun;XIE, Jingwei~ 33:CN ~31:202111106019.0 ~32:22/09/2021

2024/00108 ~ Complete ~54:A GROUP OF B7H3 MONOCLONAL ANTIBODIES AND MEDICAL USE THEREOF ~71:INNOLAKE BIOPHARMA (HANGZHOU) CO., LTD., Room 1210, Building No.1, Heda Pharma Town, No. 291 Fucheng Road, Xiasha, Qiantangxin District, Hangzhou, People's Republic of China ~72: CHEN, Junyong;CHEN, Rulei;LI, Zhongliang;QIU, Junzhuan;SUN, Jian;SUN, Kai;WANG, Zhensheng;XIA, Mingde~ 33:CN ~31:202110639996.0 ~32:09/06/2023

2024/00112 ~ Complete ~54:ORAL COMPOSITION COMPRISING A MDM2-ANTAGONIST FOR CANCER THERAPY ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: GENG, Junxian;GREMLER, Rolf;LAHMAR, Mehdi Mourad;PEREZ-PITARCH, Alejandro;ROHRBACHER, Maren~ 33:EP ~31:21190294.5 ~32:09/08/2021;33:EP ~31:22156077.4 ~32:10/02/2022;33:EP ~31:22175571.3 ~32:25/05/2022

2024/00116 ~ Complete ~54:SOLID CLEANSING COMPOSITIONS AND METHODS FOR THE SAME ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: ESPINOSA, Reina;HERNANDEZ, Roberto;MORALES, Sara;ROMERO, Jesus Ivan~ 33:US ~31:63/220,101 ~32:09/07/2021

2024/00119 ~ Complete ~54:NEODEGRADER-ANTI-CD33 ANTIBODY CONJUGATES ~71:Bristol-Myers Squibb Company, Route 206 & Province Line Road, LAWRENCEVILLE 08540, NJ, USA, United States of America;Orum Therapeutics, Inc., 2F, 281-25, Munji-ro Yuseong-gu, DAEJEON 34050, REPUBLIC OF KOREA, Republic of Korea ~72: BAI, Chen;FISHKIN, Nathan;PARK, Peter U.~ 33:US ~31:63/202,272 ~32:03/06/2021;33:US ~31:63/282,588 ~32:23/11/2021

2024/00125 ~ Complete ~54:DEVULCANIZING ADDITIVE, RELATIVE METHOD OF DEVULCANIZATION AND DEVULCANIZED PRODUCT ~71:RUBBER CONVERSION S.R.L., Via della Meccanica, 17, I-37139 Verona, Italy ~72: FILIPPO FOCESATO COLOMBANI~ 33:IT ~31:102021000014606 ~32:04/06/2021

2024/00123 ~ Complete ~54:A REUSABLE TEST DEVICE ~71:PHARMISTA TECHNOLOGIES AB, c/o Smile Incubator, Scheelevägen 2, Sweden ~72: MATTSSON, Alice Anna Lovisa;PORTER, Robert Andrew~ 33:SE ~31:2150868-4 ~32:02/07/2021

2024/00088 ~ Complete ~54:CATALYST AND APPLICATION THEREOF ~71:ZHOU, Xueming, Chenshan Village, Wenling, 317527, People's Republic of China ~72: ZHOU,Xueming~ 33:WO ~31:PCT/CN2021/077729 ~32:24/02/2021

2024/00091 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF A B7-H3 ANTIBODY AND USE OF THE SAME ~71:MACROGENICS, INC., 9704 Medical Center Drive, United States of America ~72: Krishnan SAMPATHKUMAR;Stephen James BURKE;Xiaoyan WANG;Yan ZHOU~ 33:US ~31:63/222,750 ~32:16/07/2021

2024/00097 ~ Complete ~54:METHOD FOR INDUCING FRUITING OF MALE FLOWERS OF DELICIOUS KIWI FRUITS ~71:ZHENGZHOU FRUIT RESEARCH INSTITUTE, CAAS, South End Of Weilai Road, Guancheng Hui District, Zhengzhou, Henan, 450009, People's Republic of China ~72: FANG, Jinbao;GU, Hong;LI, Yukuo;LIN, Miaomiao;QI, Xiujuan;SUN, Leiming;WANG, Ran;ZHONG, Yunpeng~ 33:CN ~31:202110570654.8 ~32:25/05/2021

2024/00103 ~ Complete ~54:SYSTEMS AND METHODS FOR EDITING ELECTRONIC DOCUMENTS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: AVASARALA, Satya Srinivasa Subrahmanyam;RAMDOSS, Ashokkumar~ 33:AU ~31:2021902217 ~32:19/07/2021

2024/00115 ~ Complete ~54:ROASTED COFFEE ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: DAVIDEK, Tomas;ELSBY, Kevan Arthur;MURPHY, Sean Mackay;NOIRA GUERRA, Mikael José;POISSON, Luigi;SARRAZIN-HORISBERGER, Céline;SPRENG, Stefan~ 33:EP ~31:21178416.0 ~32:09/06/2021

2024/00118 ~ Complete ~54:NEODEGRADER CONJUGATES ~71:Bristol-Myers Squibb Company, Route 206 & Province Line Road, LAWRENCEVILLE 08540, NJ, USA, United States of America;Orum Therapeutics,

Inc., 2F, 281-25, Munji-ro Yuseong-gu, DAEJEON 34050, REPUBLIC OF KOREA, Republic of Korea ~72: BAI, Chen;FISHKIN, Nathan;PARK, Peter U.~ 33:US ~31:63/202,273 ~32:03/06/2021;33:US ~31:63/282,585 ~32:23/11/2021

2024/00016 ~ Complete ~54:A PREPARATION METHOD OF BISMUTH NIOBATE MULTI-HOLE MICROSPHERES WITH PHOTOCATALYTIC ACTIVITY ~71:Kunming University of Science and Technology, No.68 Wenchang Road, 121 Avenue, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Guangzhu CAO;Pengkun HAN;Ronggao QIN;Yanfeng LU;Yi QIANG~

2024/00038 ~ Complete ~54:ZOKOR HUNTING DEVICE ~71:Qinghai University, 251 Ningda Road, Xining, Qinghai, 810016, People's Republic of China ~72: JU Xiuting;LI Ying;LIU Daoxin;WANG Haijing;YAN Jingyan;ZHOU Yuantao~

2024/00044 ~ Complete ~54:INFORMATION DISPLAY DEVICE FOR COLLEGE STUDENTS' EMPLOYMENT GUIDANCE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GUO Xiaoran;LIU Hongyu;LIU Jian;LIU Jing;MU Xi;WANG Judong;WANG Sijia;WANG Yifan;WEN Haolin~

2024/00061 ~ Complete ~54:DISPLAY DEVICE FOR INNOVATION AND ENTREPRENEURSHIP OF COLLEGE STUDENTS AND USING METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GAO Mingyang;GUO Xiaoran;JIANG Shengli;LI Jiaxin;LI Menghui;LIU Hongyu;WANG Judong;XIONG Huidan;ZHANG Wei~

2024/00073 ~ Complete ~54:PARKING SLOT OCCUPANCY PREDICTION SYSTEM ~71:Arnab Paul, Department of Computer Science & Engineering, Triguna Sen School of Technology, Assam University, Silchar, Assam - 788011, India;Rohit Kumar Kasera, Department of Computer Science & Engineering, Triguna Sen School of Technology, Assam University, Silchar, Assam - 788011, India;Sudipta Roy, Department of Computer Science & Engineering, Triguna Sen School of Technology, Assam University, Silchar, Assam - 788011, India;Tapodhir Acharjee, Department of Computer Science & Engineering, Triguna Sen School of Technology, Assam University, Silchar, Assam - 788011, India ~72: Arnab Paul;Rohit Kumar Kasera;Sudipta Roy;Tapodhir Acharjee~

2024/00079 ~ Complete ~54:A MINE WATER INFLOW TREATMENT SYSTEM AND ITS METHOD OF USE ~71:North China Institute of Science and Technology, NO.467 Xueyuan Street, Sanhe City, Langfang City, Hebei Province, People's Republic of China;Shaanxi Xunyi Qinggangping mining Co., LTD, Qinggangping coal mine, Qingyuan Town, Xunyi County, Xianyang City, Shaanxi province, People's Republic of China ~72: Chen Xinhong;Chen Yinde;Cui Yuping;Guo Jingzhong;Liu Jun;Liu Yude;Luo Cheng;Niu Yongshou;Shi Kangfu;Wu Jing;Yang Yuanzhong;Zhang Lixin~ 33:CN ~31:202310607615X ~32:24/05/2023

2024/00124 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF NON-ENVELOPED VIRUS ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, p. Strelna, ul. Svyazi,d. 38, str. 1, pomeshch. 89, Russian Federation ~72: DVORIANKINA, Marina Konstantinovna;FEDORENKO, Lina Igorevna;IAKOVLEV, Aleksandr Olegovich;LOMKOVA, Ekaterina, Aleksandrovna;MOROZOV, Dmitry Valentinovich;SOZONOVA, Aleksandra Aleksandrovna~ 33:RU ~31:2021120143 ~32:08/07/2021

2024/00128 ~ Complete ~54:ANTIMICROBIAL COMPONENT FOR A WOUND DRESSING ~71:MEDTRADE PRODUCTS LIMITED, Electra House Crewe Business Park, Crewe, Cheshire, CW1 6GL, United Kingdom ~72: JENNIFER HAYNES;NEIL JOHNSON~ 33:GB ~31:2107726.8 ~32:28/05/2021

2024/00005 ~ Provisional ~54:ROBOTIC DESIGNS AND INFUSING AND TRANSPOSING ANY SHARING ANY NEURAL DATA, BY INTERFACING ANY OF, ITS FUNCTIONS TO ANY ROBOTICS OR ANY MOBILE

PLATFORM OR ANY PERIPHERAL PLATFORMS OR MEDIA OUTPUT, APP OR SERVER ~71:Amram Micaih Mofomme, 888 Block C, South Africa ~72: Amram Micaih Mofomme~ 33:CN ~31:1 ~32:31/07/2023;33:EU ~31:1 ~32:31/07/2023;33:OA ~31:1 ~32:31/07/2023;33:RD ~31:1 ~32:31/07/2023;33:RU ~31:1 ~32:31/07/2023;33:WO ~31:1 ~32:31/07/2023

2024/00018 ~ Complete ~54:A FEEDSTUFF FOR IMPROVING GROWTH PERFORMANCE OF BEEF CATTLE AND PREPARATION METHOD THEREOF ~71:Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, No. 23788, North Industrial Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Enliang SONG;Fugui JIANG;Haijian CHENG;Wei YOU;Xin HU~

2024/00027 ~ Complete ~54:SAFETY WORK CLOTHES FOR PREVENTING BLOCKING VISION AND USING METHOD THEREOF ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: WANG Qinhu~

2024/00029 ~ Complete ~54:RAPID SCREENING METHOD FOR POLLINATION MALE PLANTS IN ACTINIDIA ARGUTA ORCHARD AND APPLICATION THEREOF ~71:Liaoning Institute of Economic Forestry, No. 31, Zhonghua West Road, Ganjingzi District, Dalian City, Liaoning Province, 116031, People's Republic of China ~72: LIANG, Taiming;LIU, Zhenpan;LU, Liyuan;SONG, Jianyu;SUN, Yang;YANG, Weicon;YOU, Wenzhong;ZHANG, Xuemei;ZHANG, Yonghua;ZHENG, Zeyang~

2024/00040 ~ Complete ~54:COMPOUND FEED FOR CULTIVATING HERMETIA ILLUCENS AND PREPARATION METHOD THEREOF ~71:Qinghai University, 251 Ningda Road, Xining, Qinghai, 810016, People's Republic of China ~72: JU Xiuting;LI Ying;LIU Daoxin;YAN Jingyan;ZHOU Yuantao~

2024/00046 ~ Complete ~54:ENERGY-ABSORBING ANCHOR CABLE FOR LARGE DEFORMATION RESISTANCE WITH ASSOCIATED CONSTRUCTION METHOD OF UNDERGROUND ENGINEERING ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1 Daxue Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;China Coal Tianjin Design Engineering Co., Ltd., Building 3, Anshun Building, Dafeng Road (Shuiyou City), Hongqiao District, Tianjin, 300120, People's Republic of China;Huadian Coal Industry Group Co.,Ltd., Room A303, No.10 Zhongxing Road, Science and Technology Park, Changping District, Beijing, 102299, People's Republic of China;Jinneng Holding Coal Industry Group Shuozhou Coal Power Co., Ltd., 014 Huai'an West Street, Yunzhong Street, Huaiaren City, Shuozhou City, Shanxi Province, 038399, People's Republic of China;Yunlong Lake Laboratory of Deep Underground Science and Engineering, 10th Floor, Industrial Technology Research Institute (Building B, College Student Pioneer Park, Xuzhou National High-tech Zone), Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: CHEN Wanhui;HU Chengguo;JIA Bangguo;JING Hongwen;LI Xiaozhao;LIU Dajiang;MENG Bo;SONG Gang;WANG Tao;WANG Yingchao;YANG Runda;YIN Qian~

2024/00059 ~ Complete ~54:LASER CLADDING TECHNIQUE AND DEVICE WITH PULSE INTERMITTENT POWDER FEEDING AND MULTI-DIMENSIONAL ALTERNATING MAGNETIC FIELD AUXILIARY FUNCTIONS ~71:University of Science and Technology Liaoning, No.189 Qianshan Middle Road, Lishan District, Anshan City, Liaoning Province, 114051, People's Republic of China ~72: Chang LI;Fenghua LUO;Han SUN;Menghui YU;Xing HAN;Yichang SUN~

2024/00067 ~ Complete ~54:MONITORING SYSTEM FOR OPERATING SITUATIONS OF NON-STOP PIPELINE HOLE-OPENING MACHINE ~71:Xinyu University, No.2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Chen Shuping;Li Sheng;Liu Hesheng;Song Xinwen;Wang Haizhen;Wu Shudong;Yang Guojun;Yu Longhai;Yuan Meiqin~ 33:CN ~31:202311211755.1 ~32:19/09/2023

2024/00075 ~ Complete ~54:STERILIZING AND MOSQUITO-KILLING SMOKE TABLET COMBINING MUGWORT POWDER AND LAVENDER POWDER ~71:Maolin DENG, No. 18 Shugang Road, Douhudi Town, Gong'an County, Jingzhou City, People's Republic of China ~72: Maolin DENG~

2024/00129 ~ Provisional ~54:GAS APP (FUEL DELIVERY APP) ~71:BONGO SOTYATO, 2RD VERMOOTEN STREET, NO.136 PRINCESS, South Africa ~72: BONGO SOTYATO ~

- APPLIED ON 2024/01/03 -

2024/00138 ~ Complete ~54:TRAJECTORY GENERATION METHOD FOR DRONE TARGET TRACKING ~71:Merry Wiser (Jinhua) Technology Development Co., Ltd, Room 9-07-08, Building 1, Hengfeng Building, Shuangxi West Road, Jiangnan Street, Wucheng District, Jinhua City, Zhejiang Province, People's Republic of China;Xingzhi College, Zhejiang Normal University, Lanxi Campus, Xingzhi College, Zhejiang Normal University, No.3388 Yingbin Avenue, Shanghua Street, Lanxi City, Jinhua City, Zhejiang Province, People's Republic of China ~72: Haoqin DONG;Jun ZHU;Menglong SU;Ruiyang HUANG;Zhizhuang DUAN~ 33:CN ~31:202310259936.5 ~32:09/03/2023

2024/00151 ~ Complete ~54:LINE-1 INHIBITORS AS COGNITIVE ENHANCERS ~71:TRANSPONSON THERAPEUTICS, INC., 4660 La Jolla Village Drive, Suites 100 & 200, San Diego, California, 92122, United States of America ~72: ANDREW SATLIN;ECKARD WEBER~ 33:US ~31:63/197,015 ~32:04/06/2021

2024/00153 ~ Complete ~54:METHOD OF ASSESSING CELL PRODUCTS ~71:PACT PHARMA, INC., 2 Corporate Drive, South San Francisco, California, 94080, United States of America ~72: BARBARA SENNINO;BHAMINI PURANDARE~ 33:US ~31:63/209,557 ~32:11/06/2021

2024/00160 ~ Complete ~54:BCMA-DIRECTED CELLULAR IMMUNOTHERAPY COMPOSITIONS AND METHODS ~71:Nkarta, Inc., 1150 Veterans Boulevard, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: GUO BUREN, Luxuan;GUO, Chao;LAZETIC, Alexandra Leida Liana;PATEL, Nitinkumar Lakshmanbhai;RAJANGAM, Kanya Lakshmi;TRAGER, James Barnaby~ 33:US ~31:63/220,842 ~32:12/07/2021

2024/00134 ~ Complete ~54:A METHOD FOR CONSERVING AND EXPANDING WILD LEEK ROOT TUBER GERMPASM RESOURCES IN ALPINE REGION ~71:Institute of Agriculture, Xizang Autonomous Region Academy of Agriculture and Animal Husbandry Sciences, No.157, West Jinzhu Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850000, People's Republic of China ~72: Wencai Yang;Wenhua Liao;Xiaoli Gao~

2024/00135 ~ Complete ~54:A PLANTING METHOD FOR PREVENTING AND CONTROLLING THE LODGING ROOT ROT OF PEAS ~71:Institute of Agriculture, Xizang Autonomous Region Academy of Agriculture and Animal Husbandry Sciences, No.157, West Jinzhu Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850000, People's Republic of China ~72: Haijiao Huang;Wencai Yang;Wenhua Liao;Xiaoli Gao~

2024/00149 ~ Complete ~54:RNA ADSORBED ONTO LIPID NANO-EMULSION PARTICLES AND ITS FORMULATIONS. ~71:GENNOVA BIOPHARMACEUTICALS LIMITED, Chrysalis Block, IT-BT Park, MIDC Hinjawadi, India ~72: AGRAWAL, Praveen;KARDILE, Pavan;KAVIRAJ, Swarnendu;KULKARNI, Aishwarya;RAGHUWANSHI, Arjun Singh;RAUT, Sunil;SHUKLA, Shalu;SINGH, Ajay;SINGH, Sanjay~ 33:IN ~31:202121031414 ~32:13/07/2021

2024/00155 ~ Complete ~54:USE OF MONOCLONAL ANTIBODIES AGAINST THE EPIDERMAL GROWTH FACTOR RECEPTOR IN THE TREATMENT OF PATIENTS WITH ACUTE HYPOXAEMIC RESPIRATORY FAILURE ~71:Centro de Inmunología Molecular, Calle 216 esq. 15. Atabey, Playa, LA HABANA 11300, CUBA, Cuba ~72: AÑÉ KOURÍ, Ana Laura;ABDO CUZA, Anselmo Antonio;CROMBET

RAMOS, Tania;DÍAZ LONDRES, Henry;JIMÉNEZ ARMADA, Jorge;LEÓN MONZÓN, Kalet;RAMOS SUZARTE, Mayra;Rolando, PÉREZ RODRIGUEZ;SAAVEDRA HERNÁNDEZ, Danay~ 33:CU ~31:2021-0046 ~32:14/06/2021

2024/00150 ~ Complete ~54:CROSS-LINKED POLYETHYLENE WATER PUMP ~71:TONG, Tsak Lam Simon, 3/F, BLK. 12, TAI HANG GARDEN, TAI PO, NT, HONG KONG 999077, CHINA, People's Republic of China ~72: TONG, Tsak Lam Simon~ 33:CN ~31:202220552091.X ~32:11/03/2022

2024/00154 ~ Complete ~54:METHODS OF ACTIVATING T CELLS ~71:PACT PHARMA, INC., 2 Corporate Drive, South San Francisco, California, 94080, United States of America ~72: ANDREW Y HU;RAMYA H TUNUGUNTLA~ 33:US ~31:63/209,784 ~32:11/06/2021

2024/00136 ~ Complete ~54:TRANSLATING AND STATION-CROSSING TOOL FOR SHIELD MACHINE ~71:China Railway No.3 Engineering Group Co., Ltd., No.269, Yingze Street, Yingze District, Taiyuan City, Shanxi Province, People's Republic of China;China Railway No.3 Engineering Group Co., Ltd. The Fourth Engineering Co., Ltd., No.25, Xinjian Road, Sanjiadian, Mentougou District, Beijing, People's Republic of China ~72: Dongwei Wang;Erying Chen;Fei Jia;Jialong Huang;Jidang Yang;Qichao Song;Shoudong Li;Xiaohui Liu;Xiaoming Qi;Yanhua Cao;Yapeng An;Yongqiang Shi;Zhichao Zhang~

2024/00189 ~ Complete ~54:PLATED STEEL MATERIAL ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: FUKUDA, Yuto;GOTO, Yasuto;KAWANISHI, Koji;MIMURA, Ryohei;MITSUNOBU, Takuya;NAKAMURA, Fumiaki;SAITO, Mamoru;SHINDO, Hidetoshi;TOKUDA, Kohei~

2024/00131 ~ Complete ~54:A PROCESSING SYSTEM BASED ON THE FULL RESOURCE UTILIZATION OF SEED MELON ~71:Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Fangxin WAN;Guojun MA;Jinfeng WU;Junmin MA;Xiaopeng HUANG;Yanrui XU;Zepeng ZANG;Zhiqiang ZHANG~

2024/00139 ~ Complete ~54:DIPPER LIP ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: JAMILOSA, James G.;KUNZ, Phillip J.~ 33:US ~31:17/360,464 ~32:28/06/2021

2024/00143 ~ Complete ~54:METHOD OF REDUCING AGE-RELATED SYSTEMIC CHRONIC INFLAMMATION ~71:THE QUAKER OATS COMPANY, 433 W. Van Buren Street, Suite 350N, United States of America ~72: CHU, YiFang;DIOUM, El Hadji M.~ 33:US ~31:63/226,553 ~32:28/07/2021

2024/00152 ~ Complete ~54:TOBAMOVIRUS PSEUDOVIRIONS FOR STABILISING SINGLE STRANDED RNA ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa ~72: ANN ELIZABETH MEYERS;EDWARD PETER RYBICKI;INGA ISABEL HITZEROTH;SUSAN JENNIFER DENNIS~ 33:GB ~31:2108392.8 ~32:11/06/2021

2024/00164 ~ Complete ~54:WATER FILTERING STRUCTURE AND SYSTEM COMPRISING SAME ~71:SUZHOU XINNENG ENVIRONMENTAL TECHNOLOGY CO., LTD, Friendship Industrial Zone, Songling Town, Wujiang District, Suzhou, People's Republic of China ~72: CHU, Yingying;HE, Bolin;LIU, Jingguang;TANG, Yehong;WANG, Yanzong~ 33:CN ~31:202310001229.6 ~32:03/01/2023

2024/00145 ~ Complete ~54:WATER-DISPERSIBLE GRANULE OF DIMPROPYRIDAZ ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BENTON, Kara, Walden;CHYLINSKI, Raymond, M;XU, Wen~ 33:EP ~31:21179098.5 ~32:11/06/2021

2024/00159 ~ Complete ~54:METHODS OF USING ALDOSTERONE SYNTHASE INHIBITORS ~71:CinCor Pharma, Inc., 5375 Medpace Way, CINCINNATI 45208, OH, USA, United States of America ~72: BOND, Mary;MURPHY, Brian;PEARCE, Catherine~ 33:US ~31:63/214,521 ~32:24/06/2021;33:US ~31:63/290,364 ~32:16/12/2021

2024/00137 ~ Complete ~54:SYSTEM COMBINING SEGMENTED A2 /O SEWAGE TREATMENT AND SLUDGE RESOURCE UTILIZATION ~71:China Northeast Municipal Engineering Design and Research Institute Co., Ltd., 618 Gongnong Road, Changchun City, Jilin Province, 130021, People's Republic of China ~72: DONG, Yanhong;SUN, Yang;YAN, Yu~ 33:CN ~31:202310046631.6 ~32:31/01/2023

2024/00140 ~ Complete ~54:MESENCHYMAL STEM CELLS FOR USE IN THE TREATMENT OF OSTEOARTHRITIS IN ANIMALS ~71:BOEHRINGER INGELHEIM VETERINARY MEDICINE BELGIUM, Noorwegenstraat 4, Belgium ~72: BEERTS, Charlotte;BROECKX, Sarah;PAUWELYN, Glenn;SPAAS, Jan~ 33:EP ~31:21184474.1 ~32:08/07/2021

2024/00163 ~ Complete ~54:SUBGINGIVAL MEDICAMENT DELIVERY TRAY ~71:SHAFFER, Lisa, 3 Shull Farm Road, Erwinna, Pennsylvania, 18920, United States of America ~72: SHAFFER, Lisa~ 33:US ~31:17/352,202 ~32:18/06/2021

2024/00144 ~ Complete ~54:MICROORGANISM PRODUCING PURINE NUCLEOTIDE, AND PURINE NUCLEOTIDE PRODUCTION METHOD USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BAE, Hyun-jung;KIM, Dae Young;KWON, Hee Su;LEE, Ji Hye;LEE, Ji Hyun~ 33:KR ~31:10-2021-0065740 ~32:21/05/2021

2024/00161 ~ Complete ~54:BISPECIFIC BINDING MOLECULE BINDING VEGF AND ANG2 AND USE THEREOF ~71:Innovent Biologics (Suzhou) Co., Ltd., 168 Dongping Street, Suzhou Industrial Park, SUZHOU 215123, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: HU, Siyi;JING, Hua;Li, Yiming~ 33:CN ~31:202110623779.2 ~32:04/06/2021

2024/00142 ~ Complete ~54:WALKING DEVICE FOR WALKING ON SOLAR MODULES ~71:MEYER, Andreas, Kaiserslauterer Straße, Germany ~72: EBERLEIN, Herbert;MEYER, Andreas~ 33:DE ~31:20 2021 002 037.3 ~32:11/06/2021;33:DE ~31:20 2022 000 069.3 ~32:12/01/2022;33:DE ~31:20 2022 000 863.5 ~32:06/04/2022

2024/00130 ~ Complete ~54:METHOD FOR INHIBITING CHALCOPYRITE BY COPPER ION-ENHANCED SULFUR-BASED REDUCING AGENT ~71:Kunming University of Science and Technology, No.68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: GAO Hulin;HAO Jiamei;LIU Jian;YU Yunlong~

2024/00132 ~ Complete ~54:A DUST PROTECTION DEVICE FOR A LOADING AND UNLOADING WORKING SECTION ~71:Xiaoyun Wang, No. 4, Dongshilipu Community, Baota District, Yan'an City, Shaanxi Province, 716000, People's Republic of China ~72: Xiaoyun Wang~

2024/00146 ~ Complete ~54:IMPROVED ANTI-BIOFILM ASSAY METHODS ~71:ADAPTIVE PHAGE THERAPEUTICS, INC., 708 QUINCE ORCHARD ROAD, SUITE 205, GAITHERSBURG, MARYLAND 20878, USA, United States of America ~72: CHAUDHRY, Waqas~ 33:US ~31:63/208,173 ~32:08/06/2021

2024/00158 ~ Complete ~54:SINGLE CHAIN VARIABLE FRAGMENT (SCFV) MODIFIED LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: LI, Prudence Yui Tung;NOLTING,

Birte;OONTHONPAN, Lalita;SAMAYOA, Phillip;SILVER, Nathaniel;TOY, Randall Newton~ 33:US
~31:63/221,290 ~32:13/07/2021

2024/00133 ~ Complete ~54:A METHOD FOR COOKING PEA-SAUCE NOODLES BY USING XIZANG WHITE PEA RESOURCES ~71:Institute of Agriculture, Xizang Autonomous Region Academy of Agriculture and Animal Husbandry Sciences, No.157, West Jinzhu Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850000, People's Republic of China ~72: Pengjia Tian;Xiaoli Gao;Yangzong-Nima;Zhaxi-Laba;Zihui Chang~

2024/00141 ~ Complete ~54:INNER DUTY BELT AND RELATED SYSTEM ~71:KORE ESSENTIALS INC., 8333 Case St., Suite A La Mesa, United States of America ~72: BOVE, Mauro;KOZAK, Karl~ 33:US ~31:17/372,483 ~32:11/07/2021

2024/00162 ~ Complete ~54:CATALYST COMPOSITIONS AND PROCESSES FOR MAKING AND USING SAME ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAI, Chuansheng;BAO, Xiaoying;BESWICK, Colin L.;DIAZ URRUTIA, Christian A.;GARG, Aaron R.~ 33:US ~31:63/226,377 ~32:28/07/2021;33:US ~31:63/328,987 ~32:08/04/2022

2024/00147 ~ Complete ~54:OBJECT DATA STORED OUT OF LINE VECTOR ENGINE ~71:ACTIAN CORPORATION, 2300 GENG ROAD, SUITE 150, PALO ALTO, CALIFORNIA 94303, USA, United States of America ~72: KIRKHAM, Ian Philip~ 33:US ~31:63/209,358 ~32:10/06/2021;33:US ~31:17/830,015 ~32:01/06/2022

2024/00157 ~ Complete ~54:ENFORCING CONDITIONS ON BLOCKCHAIN TRANSACTIONS ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: ZHANG, Wei~ 33:GB ~31:2110348.6 ~32:19/07/2021

2024/00148 ~ Complete ~54:METHOD AND APPARATUS FOR STORING OBJECT TOKENS IN A DATABASE ~71:ACTIAN CORPORATION, 2300 GENG ROAD, SUITE 150, PALO ALTO, CALIFORNIA 94303, USA, United States of America ~72: KIRKHAM, Ian Philip~ 33:US ~31:63/209,790 ~32:11/06/2021;33:US ~31:17/830,052 ~32:01/06/2022

2024/00156 ~ Complete ~54:NOVALURON WATER DISPERSIBLE SOLID COMPOSITION ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: DAYAGI, Yohai;KOREN, Lital;MINES, Yaakov~ 33:US ~31:63/211,391 ~32:16/06/2021

- APPLIED ON 2024/01/04 -

2024/00167 ~ Complete ~54:EPIDEMIC SIMULATION ECOLOGICAL BOX PROVIDED WITH DOUBLE-LAYER PROTECTIVE STRUCTURE ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University Of Medicine And Health Sciences, 279 Zhouzhu Road, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: CHEN, Lifan;KONG, Ping;TAN, Zhiying;ZHOU, Liang~

2024/00173 ~ Complete ~54:TISSUE CULTURE AND RAPID PROPAGATION METHOD OF RHODODENDRON DENUATUM ASEPTIC SEEDLINGS ~71:Guizhou Normal University, School of Life Sciences, Guizhou Normal University, Huaxi University City, Gui'an New District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: GU Yunying;LI Xue;LIU Jie;QIU Xiangting;YI Yin~

2024/00175 ~ Complete ~54:DEVICE FOR RAPIDLY DRYING SOIL ~71:Kunming University of Science and Technology, No. 727 Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650031, People's Republic of China ~72: Baozhu LI;Guangzhu CAO;Ronggao QIN;Ruoyu MAO;Yanfeng LU;Yi QIANG~

2024/00178 ~ Complete ~54:BLOOD TYPE DETECTOR DEDICATED TO BLOOD TRANSFUSION DEPARTMENTS ~71:The Affiliated Hospital of Southwest Medical University, No. 25 Taiping Street, Jiangyang District, Luzhou City, Sichuan Province, 646099, People's Republic of China ~72: Li Hanjun~

2024/00176 ~ Complete ~54:NEW ANTIBACTERIAL, ANTI-INFLAMMATORY, AND ANALGESIC MEDICINAL AND EDIBLE TRADITIONAL CHINESE MEDICINE COMPOSITION AND PREPARATION METHOD THEREOF ~71:HENAN ACADEMY OF SCIENCES, No. 266-38, Mingli Road, Jinshui District, Zhengzhou City, Henan Province, 450046, People's Republic of China;HENAN NATURAL PRODUCTS BIOTECHNOLOGY CO.,LTD, No. 58, Hongzhuan Road, Jinshui District, Zhengzhou City, Henan Province, 450002, People's Republic of China;HENAN UNIVERSITY, Henan University, North Section of Jinming Avenue, Kaifeng City, Henan Province, 475004, People's Republic of China;SANYA INSTITUTE HENAN UNIVERSITY, Building 6, Wutong Yard, Yazhou Bay Science and Technology City, Yazhou District, Sanya, Hainan, 572025, People's Republic of China ~72: CHANG, Xia;CHEN, Fei;CHEN, Yingjie;LIANG, Yahui;LU, Minghua;WANG, Tao;WANG, Wei;WANG, Zhiyao;ZHANG, Naichao;ZHOU, Yong~

2024/00185 ~ Complete ~54:IV BAG INSPECTION APPARATUS AND METHOD ~71:ANTHENAT, Bruce, 10578 NM 337 Tijeras, New Mexico, 87059, United States of America ~72: ANTHENAT, Bruce~ 33:US ~31:63/242,020 ~32:08/09/2021;33:US ~31:17/902,991 ~32:05/09/2022

2024/00169 ~ Complete ~54:SYNCHRONOUS CONTROL SYSTEM FOR DUAL-AXIS SYNCHRONOUS LASER CUTTING EQUIPMENT ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CAI Yujie;DU Yabing;HUA Pei;LI Yajie;MU Jingjing;XU Huafeng;ZHANG Xiaoguo~

2024/00174 ~ Complete ~54:METHOD FOR BREEDING CUSCUTA AUSTRALIS BY USING INVASIVE PLANT PHYTOLACCA AMERICANA ~71:JINGGANGSHAN UNIVERSITY, No.28, Xueyuan Road, Qingyuan District, Ji 'an City, Jiangxi Province, 343009, People's Republic of China ~72: LEI Chunhua;LIAO Xinjun;SU Qitao;XIAO Haiyan;YAN Xiaohong;ZHOU Bing~

2024/00182 ~ Complete ~54:AERODYNAMIC AND CENTRIFUGAL SEED ORIENTATION SYSTEM FOR AGRICULTURAL PLANTERS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: DILLE, Mitchell R.;STRANG, Keith~ 33:US ~31:17/387,778 ~32:28/07/2021

2024/00187 ~ Complete ~54:DETECTION OF MULTIPLE TARGET NUCLEIC ACID USING MULTIPLE DETECTION TEMPERATURES ~71:SEEGENE, INC., B1F, 3F, 4F, 5F, 6F, 7F, 8F, 9F, 10F, 11F, 12F 91, Ogeum-ro Songpa-gu, Seoul, 05548, Republic of Korea ~72: HAN BIT LEE;HYEON BE KIM;JEONG WOO KIM~ 33:KR ~31:10-2021-0078463 ~32:17/06/2021

2024/00192 ~ Complete ~54:BURNER FOR IMPLEMENTING PARTIAL OXIDATION ~71:Linde GmbH, Dr.-Carl-von-Linde-Str. 6-14, PULLACH 82049, GERMANY, Germany ~72: MIHAILOWITSCH, Dieter;MURER, Martin~ 33:EP ~31:21020351.9 ~32:05/07/2021

2024/00198 ~ Complete ~54:ANTI-VIRAL COMPOUNDS ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America;Katholieke Universiteit Leuven, KU Leuven R & D, Waaistraat 6, Box 5105, LEUVEN 3000, BELGIUM, Belgium ~72: BARDIOT, Dorothée Alice Marie-Eve;BEIGELMAN, Leonid;BOLAND, Sandro;MARCHAND, Arnaud Didier Marie;RABOISSON, Pierre Jean-Marie Bernard;STOYCHEVA, Antitsa Dimitrova;VANDYCK, Koen~ 33:US ~31:63/203,135 ~32:09/07/2021;33:US ~31:63/261,480 ~32:22/09/2021;33:US ~31:63/264,212 ~32:17/11/2021;33:US ~31:63/265,479 ~32:15/12/2021;33:US ~31:63/268,052 ~32:15/02/2022

2024/00168 ~ Complete ~54:ARCHED INTERNAL SUPPORT SYSTEM FOR RECTANGULAR FOUNDATION PIT SUPPORT AND DESIGN METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: HU Guoping;LI Hui;LIU Jiawei;RUAN Xiaoxue;XIA Yingzhi;YIN Zhenyu;ZHANG Hanqiu;ZHANG Yunlai~

2024/00180 ~ Complete ~54:WIRING HARNESS MODULE AND COMBINED WIRING HARNESS ~71:JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD., No. 1801, Unit 1, Building 13, Wanlonglishuiwan (One), Chaofan Street, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110876044.0 ~32:30/07/2021;33:CN ~31:202121766135.0 ~32:30/07/2021

2024/00184 ~ Complete ~54:METHOD FOR QUICKLY DETERMINING FERMENTATION STAGE AND CHARACTERISTIC AROMA OF SOY SAUCE BASED ON HS-PTR-TOF-MS ~71:GUANGDONG MEIWEIXIAN FLAVORING FOODS CO., LTD, 1 Chubang Road, Torch Development Zone, Zhongshan, People's Republic of China ~72: CAO, Yong;DENG, Guangdie;FU, Jiangyan;HE, Liping;HU, Yuanshu;KAN, Qixin;LIN, Hong;LIU, Zhan;LUO, Qing;WANG, Peipei;XU, Ting;ZHANG, Lingfen~ 33:CN ~31:202210171302.X ~32:24/02/2022

2024/00190 ~ Complete ~54:A METHOD FOR DETERMINING A TUBE LEAKAGE IN A WATER-STEAM CIRCUIT OF A COMBUSTION BOILER SYSTEM, AND A COMBUSTION BOILER ~71:Sumitomo SHI FW Energia Oy, Metsänneidonkuja 10, ESPOO 02130, FINLAND, Finland ~72: HILTUNEN, Teri~

2024/00193 ~ Complete ~54:METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DELIVERING A SUBSTANCE TO A SUBJECT ~71:Targan Inc., 350 East Six Forks Road, RALEIGH 27609, NC, USA, United States of America ~72: ADAMS, Jonathan M.;GRENON, Joshua David~ 33:US ~31:63/234,034 ~32:17/08/2021

2024/00170 ~ Complete ~54:SYNCHRONOUS CONTROL METHOD FOR GANTRY DOUBLE-DRIVE ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN Yao;GAO Fashun;LAN Qixun;LI Deying;MU Jingjing;WEI Lijun;ZHOU Shuke~

2024/00171 ~ Complete ~54:INTERNATIONAL LAW LEARNING EVALUATION SYSTEM ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: ZHANG Xiaojuan~

2024/00166 ~ Complete ~54:ONLINE INTERACTIVE LEARNING SYSTEM SUITABLE FOR INTERNATIONAL LAW ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: ZHANG Xiaojuan~

2024/00181 ~ Complete ~54:3D METAL PARTIAL PRINTING OF REFINER SEGMENTS ~71:ANDRITZ INC., 5405 Windward Parkway, Suite 100W, United States of America ~72: GINGRAS, Luc;RAYMOND, Yves~ 33:US ~31:63/239,167 ~32:31/08/2021

2024/00195 ~ Complete ~54:OPTIMIZED EXPRESSION CASSETTES FOR GENE THERAPY ~71:Tenaya Therapeutics, Inc., 171 Oyster Point Boulevard, Suite 500, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: REID, Christopher A.;ZHOU, Huanyu~ 33:US ~31:63/219,651 ~32:08/07/2021

2024/00177 ~ Complete ~54:METHOD AND SYSTEM OF CONSTRUCTING AN UNDERGROUND TUNNEL ~71:HYPERTUNNEL IP LIMITED, 1ST FLOOR, THE PAVILLION VIEWPOINT, BASING VIEW, BASINGSTOKE HAMPSHIRE RG21 4RG, UNITED KINGDOM, United Kingdom ~72: JORDAN, Stephen~ 33:GB ~31:1903979.1 ~32:22/03/2019

2024/00197 ~ Complete ~54:SYSTEMS AND METHODS FOR ASSOCIATING COMPOUNDS WITH PHYSIOLOGICAL CONDITIONS USING FINGERPRINT ANALYSIS ~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, Suite 800E, CAMBRIDGE 02142, MA, USA, United States of America ~72: HADDAD, Ragy;PLUGIS, Nicholas McCartney;WOLF, Fabian Alexander~ 33:US ~31:63/210,930 ~32:15/06/2021

2024/00200 ~ Complete ~54:VACCINES TARGETING NEISSERIA GONORRHOEA ~71:Evaxion Biotech A/S, Dr Neergaards Vej 5f, HØRSHOLM 2970, DENMARK, Denmark ~72: MATTSSON, Andreas Holm;STEENMANS, Christian Skjødt~ 33:EP ~31:21183614.3 ~32:05/07/2021

2024/00199 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: XIAO, Zhihuang~ 33:GB ~31:2110312.2 ~32:19/07/2021;33:GB ~31:2110315.5 ~32:19/07/2021

2024/00165 ~ Complete ~54:SEWAGE TREATMENT SAMPLING DETECTION DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Binghua;CHEN Changxing;GU Deming;LI Songya;LIU Biao;WANG Le;WANG Linpei;WANG Xiaoyan;ZHOU Yiming~

2024/00172 ~ Complete ~54:AUTOMATIC MOVING CONVEYING SYSTEM ~71:National Energy Group Ningxia Coal Industry Co. , Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China;Ningxia Tiandi Northwest Coal Machinery Co. , Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;FENG Baozhong;HAI Bin;HAN Fangjun;LAN Chunsen;MA Zhao;TIAN Yanjun;TONG Jianzhong;WANG Ning;YANG Changjun;YANG Hai;YANG Jianqin;ZHANG Fenyong~

2024/00179 ~ Complete ~54:ORCHARD WEEDING AND FERTILIZING MACHINE ~71:TARIM UNIVERSITY, NO.705, HONGQIAO SOUTH ROAD, LAHONG CITY, People's Republic of China ~72: GUO, Zhanhong;HE, Yichuan;MA, Shaohui;SHEN, Shuai;TANG, Zhihui;WANG, Xufeng;YI, Xiaokang;ZHANG, Hong~

2024/00183 ~ Complete ~54:SALINE-ALKALI LAND IRRIGATION APPARATUS ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No.23788 Industrial North Road, Licheng District, Jinan, Shandong, 250100, People's Republic of China ~72: LIU, Shenglin;MA, Zheng;SHAN, Hongtao;SHEN, Yuwen;TIAN, Ye;ZHENG, Fuli~

2024/00186 ~ Complete ~54:CUTTING INSERT AND CUTTING TOOL ASSEMBLY INCLUDING SAME ~71:TAEGUTECH LTD., 1040 Gachang-ro, Gachang-Myeon, Dalseong-gun, Daegu, 42936, Republic of Korea ~72: CHANG WON JEONG~ 33:US ~31:17/345,105 ~32:11/06/2021

2024/00188 ~ Complete ~54:GUIDANCE SYSTEM TO NAVIGATE INTERVENING OBSTACLES AND METHODS FOR SAME ~71:RAVEN INDUSTRIES, INC, P.O. Box 5107, Sioux Falls, South Dakota, 57117-5107, United States of America ~72: ANTHONY DOUGLAS JOHNSON SCHMIDT;JARED ERNEST KOCER;JEFFREY ALLEN VAN ROEKEL;MATTHEW K RUST;RAHUL RAMAKRISHNAN;YURI SNEYDERS~ 33:US ~31:63/208,878 ~32:09/06/2021;33:US ~31:63/275,373 ~32:03/11/2021

2024/00191 ~ Complete ~54:AEROSOL GENERATING COMPOSITION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: JENKINS, Benjamin;SCIROCCO, Jennifer Louise~ 33:GB ~31:2110571.3 ~32:22/07/2021;33:GB ~31:2114194.0 ~32:04/10/2021;33:GB ~31:2202056.4 ~32:16/02/2022

2024/00194 ~ Complete ~54:PLANT-INSPIRED ZWITTERIONIC MONOMERS, POLYMERS, AND USES THEREOF ~71:Trustees of Tufts College, Ballou Hall, 4th Floor, MEDFORD 02155, MA, USA, United States of America ~72: ALEXIOU, Ayse Asatekin;PANZER, Matthew;TAYLOR, Morgan~ 33:US ~31:63/215,781 ~32:28/06/2021

2024/00196 ~ Complete ~54:PROCESS FOR PREPARING DIOSMIN AND FLAVONOID FRACTION ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France ~72: LAVAL, Stéphane;RASSON, Corentin;SARI, Ozkan;SCHIAVI, Bruno~ 33:EP ~31:21305932.2 ~32:06/07/2021

- APPLIED ON 2024/01/05 -

2024/00215 ~ Complete ~54:AQUEOUS GEL COMPOSITION ~71:ACOUSIA THERAPEUTICS GMBH, Sindelfinger Strasse 3, Germany ~72: DIEDERICHS, Julia Eva;DYHRFJELD-JOHNSEN, Jonas;HEYMANS, Sven;KOOL, Peter Jan Robert~ 33:EP ~31:22174123.4 ~32:18/05/2022

2024/00229 ~ Complete ~54:DIMENSIONALLY STABLE ADHESIVE COMPOSITION CONTAINING ENZYMATICALLY MODIFIED STARCH ~71:Henkel AG & Co. KGaA, Henkelstrasse 67, DÜSSELDORF 40589, GERMANY, Germany ~72: HELLWIG, Nils;KAULISCH, Anna;SCHROEDER, Benjamin;ZICKUHR, Ivonne~ 33:EP ~31:21178332.9 ~32:08/06/2021

2024/00227 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: DRAAK, Johannes Wilhelmus;ETTES, Wilhelmus Gerardus Maria;LEBENS, Pascal Leonard Maria Theodoor;LULOFS, Klaas Jakob~ 33:EP ~31:21178185.1 ~32:08/06/2021

2024/00204 ~ Complete ~54:CONVEYOR BELT STORAGE DEVICE ~71:National Energy Group Ningxia Coal Industry Co., Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China;Ningxia Tiandi Northwest Coal Machinery Co., Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;FENG Baozhong;LAN Chunsen;MA Liwei;MA Yue;MA Yupeng;MAI Lin;WANG Ning;YANG Changjun;YANG Hai;YANG Jianqin;YANG Tao~

2024/00208 ~ Complete ~54:METHOD FOR DETECTING PRIMARY AND PRECURSOR MIRNAS ~71:Soochow University, No.199 Ren-ai Road, Suzhou Industrial Park, Suzhou, Jiangsu Province, 215123, People's Republic of China ~72: Jiang Mengni;Long Xiang;Meng Hongrui;Yan Shuangjia;Zhang Ting~ 33:CN ~31:2023100206234 ~32:06/01/2023

2024/00209 ~ Complete ~54:A POSITIVELY CHARGED NANOFILTRATION MEMBRANE FOR REMOVING URANIUM AND CESIUM FROM NUCLEAR RADIOACTIVE WASTEWATER AND ITS PREPARATION METHOD ~71:China Agricultural University, No.2 Yuanmingyuan West Road, Malianwa Street, Haidian District, Beijing, 100193, People's Republic of China ~72: Changwei ZHAO;Jincheng LI~ 33:CN ~31:2023108097536 ~32:04/07/2023

2024/00220 ~ Complete ~54:FORMULATION CONTAINING DIHYDROPYRIDAZINE-3,5-DIONE DERIVATIVE ~71:CHUGAI SEIYAKU KABUSHIKI KAISHA, 5-1, Ukima 5-chome, Kita-ku, Tokyo, 1158543, Japan ~72: HIROMASA UCHIYAMA;KENICHI SAKAI;MAYUMI YOSHIKAWA;RYUSUKE TAKANO;SHIGEMORI NATSUMOTO;TOMOYUKI MINODA~ 33:JP ~31:2021-096206 ~32:08/06/2021

2024/00223 ~ Complete ~54:INFORMATION PROCESSING DEVICE AND METHOD ~71:Sony Group Corporation, 1-7-1, Konan, Minato-ku, TOKYO 1080075, JAPAN, Japan ~72: HAYASHI, Kao;KATO, Tsuyoshi;KUMA, Satoru;NAKAGAMI, Ohji~ 33:JP ~31:2021-113579 ~32:08/07/2021

2024/00230 ~ Complete ~54:BIOMARKERS FOR ALZHEIMER'S DISEASE TREATMENT ~71:Eisai R&D Management Co., Ltd., 6-10 Koishikawa, 4-Chome, Bunkyo-Ku, TOKYO 112-8088, IBARAKI, JAPAN, Japan ~72: DHADDA, Shobha;GORDON, Robert;HAYATO, Seiichi;IRIZARRY, Michael;KANEKIYO, Michio;KAPLOW, June;KOYAMA, Akihiko;KRAMER, Lynn;LANDRY, Ishani;REYDERMAN, Larisa;SACHDEV, Pallavi;SWANSON, Chad;VERBEL, David~ 33:US ~31:63/220,434 ~32:09/07/2021;33:US ~31:63/203,444 ~32:22/07/2021;33:US ~31:63/263,255 ~32:29/10/2021;33:US ~31:63/263,928 ~32:11/11/2021;33:US ~31:63/264,551 ~32:24/11/2021;33:US ~31:63/306,028 ~32:02/02/2022;33:US ~31:63/269,372 ~32:15/03/2022;33:US ~31:63/364,618 ~32:12/05/2022

2024/00213 ~ Complete ~54:FAULT-TOLERANT CONTROL METHOD FOR DUAL-DRIVE GANTRY SYSTEM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, New District, Pingdingshan City, People's Republic of China ~72: CHEN, Yao;GAO, Fashun;HUA, Pei;MU, Jingjing;ZHANG, Huiyuan;ZHANG, Xiaoguo~

2024/00222 ~ Complete ~54:HERBICIDAL COMPOSITION FOR CROP MANAGEMENT AND METHOD THEREOF ~71:PARIJAT INDUSTRIES (INDIA) PVT. LTD., Plot No. 239, 3rd Floor, India ~72: ANAND, Keshav;ANAND, Shivraj;ANAND, Uday;DHIMAN, Sarvind~ 33:IN ~31:202111039826 ~32:02/09/2021

2024/00224 ~ Complete ~54:HYBRID UV-LED RADIATION CURABLE PROTECTIVE VARNISHES FOR SECURITY DOCUMENTS ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: GARNIER, Jean;HOFSTETTER, Pierre-Yves;VEYA, Patrick~ 33:EP ~31:21178128.1 ~32:08/06/2021

2024/00232 ~ Complete ~54:TRICYCLIC COMPOUNDS AS INHIBITORS OF KRAS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: GAN, Pei;HE, Chunhong;LAW, Chunyin Marshall;LI, Yong;WANG, Xiaozhao;YANG, Jeffrey;YAO, Wenqing;ZHAO, Le~ 33:US ~31:63/219,274 ~32:07/07/2021;33:US ~31:63/292,774 ~32:22/12/2021;33:US ~31:63/310,811 ~32:16/02/2022

2024/00217 ~ Complete ~54:SYNERGISTIC ANTIMICROBIAL COMPOSITIONS CONTAINING SELECTED PEPTIDES AND FATTY ACIDS ~71:CLEVER BIOSCIENCE S.R.L., Via Europa, 5, Italy ~72: BREVIARIO, Elisa;FRESCHI, Giorgio;MAZZEI, Emma;ZUCCHINALI, Stefano~ 33:IT ~31:102021000018530 ~32:14/07/2021

2024/00233 ~ Complete ~54:ANTICANCER COMPOUNDS ~71:Poseidon Innovation, LLC, 345 Park Avenue, South, 12th Floor, NEW YORK 10010, NY, USA, United States of America;The Regents of the University of California, 1111 Franklin Street, Twelfth Floor, OAKLAND 94607-5200, CA, USA, United States of America ~72: BISHOP, Michael J.;KAHRAMAN, Mehmet;SHIAU, Andrew K.~ 33:US ~31:63/208,191 ~32:08/06/2021

2024/00216 ~ Complete ~54:SHARK REPELLENT SYSTEM ~71:KWAZULU-NATAL SHARKS BOARD, 1A Herrwood Drive, Umhlanga Rocks, South Africa ~72: VON BLERK, Paul Warren~ 33:ZA ~31:2021/04436 ~32:28/06/2021

2024/00218 ~ Complete ~54:A TEA ROLLING PROCESSING EQUIPMENT FOR TEA PRETREATMENT AND A PROCESSING METHOD THEREOF ~71:West Anhui University, Yunlu Bridge West Yueliang Island, Lu#39;an City, Anhui province, 237012, People's Republic of China ~72: Miaomiao Huang;Ping Yu;Yubao Xu~ 33:CN ~31:202310044522.0 ~32:30/01/2023

2024/00221 ~ Complete ~54:METHOD FOR PRODUCING DIHYDROPYRIDAZINE-3,5-DIONE DERIVATIVE ~71:CHUGAI SEIYAKU KABUSHIKI KAISHA, 5-1, Ukima 5-chome, Kita-ku, Tokyo, 1158543, Japan ~72: HIROSHI FUKUDA;MASATOSHI MURAKATA;SATOSHI TANIDA;SHIO KOMIYA;TARO ENOMOTO;ZENGYE HOU~ 33:JP ~31:2021-096200 ~32:08/06/2021

2024/00228 ~ Complete ~54:COMBINATION THERAPIES FOR TREATMENT OF LIVER DISEASES
~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: LINDÉN, Daniel~
33:US ~31:63/208,299 ~32:08/06/2021

2024/00201 ~ Provisional ~54:SLEEPING PILLOW ~71:MARAIS, Petronella Jardin, 45 Beyers Naude Street,
South Africa ~72: MARAIS, Petronella Jardin~

2024/00202 ~ Provisional ~54:STAINLESS-STEEL MULTI-PURPOSE BOLT ~71:Theodore Daniel Swemmer, PO
Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2024/00207 ~ Complete ~54:NO-CODE PLATFORM FOR GENERATING REPORTS AS A TRANSACTION
~71:TATA CONSULTANCY SERVICES LTD., Nirmal Building, 9th Floor, Nariman Point, India ~72: ASIJA,
Vaishali;BHOLA, Amit Kumar;GOVEL, Manoj Kumar;MALHOTRA, Kavita;PAL, Ratikanta;SINGH, Devendra
Kumar;SONI, Purushottam;THAPLIYAL, Shweta~ 33:IN ~31:202321001224 ~32:05/01/2023

2024/00211 ~ Complete ~54:CARGO RESTRAINT SYSTEM ~71:AEROKLAS COMPANY LIMITED, 111/1,
111/10 Moo 2, Tambol Makham-Khoo, Thailand ~72: VITTOORAPAKORN, Ekawat;VITTOORAPAKORN,
Supawadee~ 33:TH ~31:2303000034 ~32:06/01/2023

2024/00205 ~ Complete ~54:EASY-TO-CLEAN WATER CIRCULATION SYSTEM FOR BUILDINGS
~71:WENZHOU POLYTECHNIC, University Town, Chashan and Jiangjiaqiao 81, Wenzhou, Zhejiang, People's
Republic of China ~72: LIN Pan;LIU Yue;TANG Fenyang~

2024/00210 ~ Complete ~54:ELECTRONIC PADLOCK ~71:ABUS AUGUST BREMICKER SÖHNE KG,
Altenhofer Weg 25 Wetter-Volmarstein, 58300, Germany ~72: BERND WEIERSHAUSEN~ 33:DE
~31:102023100671.1 ~32:12/01/2023

2024/00212 ~ Complete ~54:GRINDING DEVICE AND METHOD FOR PREPARING EPOXY RESIN
ENCAPSULATING MATERIAL WITH THE DEVICE ~71:ANHUI ZHONGBO NEW MATERIALS CO., LTD,
No.68, Shuangmiao Road, Wuyi Town, Nanqiao District, Chuzhou, Anhui, 239001, People's Republic of China
~72: Dong Qian;Gao Guilian;Gao Guilin;Wei Kui~ 33:CN ~31:202310755436.0 ~32:26/06/2023

2024/00219 ~ Complete ~54:A VIBRATING SCREEN PROCESSING EQUIPMENT FOR TEA PRODUCTION
WITH CONTROLLABLE MOTION RANGE ~71:West Anhui University, Yunlu Bridge West Yueliang Island,
Lu'an City, Anhui province, 237012, People's Republic of China ~72: Ji Huang;Jiangdong Zhao;Tiantian
Ji;Wenming Wang;Xiaojiao Huang~ 33:CN ~31:202310114229.7 ~32:15/02/2023

2024/00234 ~ Complete ~54:INTELLIGENT PRIORITIZATION OF ASSESSMENT AND REMEDIATION OF
COMMON VULNERABILITIES AND EXPOSURES FOR NETWORK NODES ~71:Darktrace Holdings Limited,
Maurice Wilkes Building, St John's Innovation Park, CAMBRIDGE CB4 0DS, UNITED KINGDOM, United
Kingdom ~72: DUNN, Matthew;HEINEMEYER, Maximilian Florian Thomas;LAI, Jake;SALJI, Carl Joseph~ 33:US
~31:63/219,026 ~32:07/07/2021

2024/00203 ~ Complete ~54:INDOOR VENTILATION SYSTEM BASED ON CONVECTION IN LIMITED RANGE
~71:Central South University, No. 932 Lushan South Road, Yuelu District, Changsha City, Hunan Province,
410083, People's Republic of China ~72: HAN, Ruoyan;LI, Miaomei;LI, Wei;LI, Yuxiang;QI, Mingfei;ZHANG,
Yicheng;ZHOU, Nanqing;ZHU, Zhaoxi~

2024/00206 ~ Complete ~54:DETECTION AND QUANTIFICATION OF GLYCOSYLATED PEPTIDES
~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of
America ~72: ROSENBERG, Avraham Z.;SHEN, Biao~ 33:US ~31:62/697,547 ~32:13/07/2018

2024/00214 ~ Complete ~54:METHOD AND SYSTEM FOR EVALUATING CARBON AND NITROGEN FOOTPRINT OF PLANTING INDUSTRY IN AGRICULTURAL AREAS ~71:Institute of Applied Ecology, Chinese Academy of Sciences, No.72 Wenhua Road, Shenhe District, Shenyang City, Liaoning Province, 110016, People's Republic of China ~72: Bing Longfei;Hu Qinqin;Wang Jiaoyue;Xi Fengming;Yin Yan~ 33:CN ~31:202311348321.6 ~32:17/10/2023

2024/00225 ~ Complete ~54:INSECTICIDAL MIXTURES ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: KULKARNI, Pradeep~ 33:IN ~31:202111030414 ~32:06/07/2021

2024/00226 ~ Complete ~54:FUNGICIDAL USE ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: CERNUSCHI, Matteo~ 33:US ~31:63/219,703 ~32:08/07/2021

2024/00231 ~ Complete ~54:NOVEL INSECT INHIBITORY PROTEINS ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST LOUIS 63167, MO, USA, United States of America ~72: BOWEN, David J.;CHAY, Catherine A.;HOWE, Arlene R.;WEGENER, Kimberly M.~ 33:US ~31:63/219,604 ~32:08/07/2021;33:US ~31:63/348,278 ~32:02/06/2022

- APPLIED ON 2024/01/08 -

2024/00236 ~ Complete ~54:METHOD AND SYSTEM FOR OBTAINING LOAD BRAKING DISTANCE OF ESCALATOR BASED ON BRAKING TEST ~71:Guangdong Mechanical & Electrical Polytechnic, No.2 Chanchushi Rd. East, Tonghe, Baiyun District, Guangzhou, Guangdong, 510515, People's Republic of China ~72: LI Zhongxing~

2024/00239 ~ Complete ~54:SYSTEM AND METHOD UTILIZING ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN TECHNOLOGY FOR EMERGENCY DETERMINATION ~71:Dr. Mrs. Pooja Avdhut Kulkarni, Loni Kalbhor, Pune, MAHARASHTRA, 412201, India;Jayashree Rajesh Prasad, Loni Kalbhor, Pune, MAHARASHTRA, 412201, India;MIT Art Design and Technology University, Pune, Loni Kalbhor, Pune, MAHARASHTRA, 412201, India;Rajesh Shardanand Prasad, Loni Kalbhor, Pune, MAHARASHTRA, 412201, India ~72: Dr. Mrs. Pooja Avdhut Kulkarni;Jayashree Rajesh Prasad;Rajesh Shardanand Prasad~

2024/00240 ~ Complete ~54:A METHOD, DEVICE, AND MEDIUM AIMED AT REDUCING LATENCY IN EDGE NODES BASED ON CLOUD COMPUTING ~71:Hunan University of Science and Engineering, 130 Yangzitang Road, Lingling District, Yongzhou City, Hunan Province, People's Republic of China;SHANGHAI LIDA UNIVERSITY, 1788 Cheting Road, Songjiang District, Shanghai, People's Republic of China ~72: Cheng Wenzhi;Feng Junzhi;Huang Tangsen;Tang Yayuan;Yang Jie~ 33:CN ~31:2023116838338 ~32:08/12/2023

2024/00248 ~ Complete ~54:A COMPOSITION OF CHINESE MEDICINE FOR EXTERNAL USE FOR TREATING BURNS AND SCALDS AND A PREPARATION METHOD THEREOF ~71:Ziheng Wang, Gate E05, Building 15, Xinyuyuan Community, No. 2, Jiayuan Street, Zhaodong City, Suihua City, Heilongjiang Province, 151100, People's Republic of China ~72: Ziheng Wang~

2024/00251 ~ Complete ~54:GROUND-BOREHOLE TRANSIENT ELECTROMAGNETIC METHOD FOR MONITORING FORMATION PROCESS OF SEPARATED LAYER WATER IN COAL MINING ~71:China University of Mining and Technology, No.1, Daxue Road, Xuzhou, Jiangsu, 221116, People's Republic of China ~72: HUANG, Maolin;LI, Beibei;QIAN,Meiqi;SU, Benyu;SUN, Tongyi;TAN, Dengpan;TANG, Yu;WANG, Yangzhou;YU, Jingcun~

2024/00256 ~ Complete ~54:CURRENT COLLECTING COMPONENT, BATTERY AND BATTERY MODULE ~71:XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., 201-1, Comprehensive Building 5, No. 11, Butang Middle Road, Industrial Base Of Xiamen Torch High Tech Zone (Tongxiang),, People's Republic of

China ~72: XIONG, Yongfeng;XU, Weidong~ 33:CN ~31:202211166764.9 ~32:23/09/2022;33:CN
~31:202222598483.2 ~32:29/09/2022

2024/00264 ~ Complete ~54:A METHOD FOR DETERMINING A LEAKAGE IN A HEAT TRANSFER FLUID CHANNEL OF A HEAT TRANSFERRING REACTOR SYSTEM, AND A HEAT TRANSFERRING REACTOR
~71:Sumitomo SHI FW Energia Oy, Metsänneidonkuja 10, ESPOO 02130, FINLAND, Finland ~72:
HILTUNEN, Teri~ 33:IB ~31:2021/074841 ~32:09/09/2021

2024/00269 ~ Complete ~54:ONE-PIECE TAG FOR IDENTIFYING AN ANIMAL. ~71:Allflex Europe SAS, Route
des Eaux ZI de Plagué, VITRÉ 35500, FRANCE, France ~72: DECALUWE, Johan;SALIOU, Pierre~
33:EP ~31:21306025.4 ~32:21/07/2021

2024/00273 ~ Complete ~54:METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A
TEREPHTHALATE-POLYMER INTO REUSABLE RAW MATERIAL ~71:Ioniq Technologies B.V., De Lismortel
31, EINDHOVEN 5612 AR, THE NETHERLANDS, Netherlands ~72: DE HAAN, André Banier;FUFACHEV,
Egor Vasilyevich;WOLTERS, Alexander Thomas;WOLTERS, Joost Robert~ 33:NL ~31:2028500
~32:21/06/2021

2024/00238 ~ Complete ~54:NEW TYPE OF ELECTROCHROMIC DOOR AND WINDOW ~71:Eugene
(Shanghai) Intelligent Technology Co., Ltd., No.536, Laolu Highway, Lingang New Area, Pilot Free Trade Zone,
Pudong New Area, Shanghai, People's Republic of China ~72: Jirong Li~ 33:CN ~31:2023114247600
~32:31/10/2023

2024/00249 ~ Complete ~54:CHINESE HERBAL FORMULA FOR DEWORMING AND PREPARATION METHOD
THEREOF ~71:Jian Zhou, Room 103, Eighty Rooms, Six Years, Shuswang Village, Paitou Town, Zhuji City,
Shaoxing, Zhejiang, People's Republic of China ~72: Jian Zhou;Zhenyu Cha~ 33:CN ~31:2023114975326
~32:11/11/2023

2024/00262 ~ Complete ~54:PYRAZOLONE COMPOUNDS FOR USE IN DEGENERATIVE RETINAL
DISEASES ~71:FLONEXT S.R.L., Via Andrea Del Castagno 16, 50132, Firenze (FI), Italy ~72: FRANCESCO DE
LOGU;PIERANGELO GEPPELTI;ROMINA NASSINI~ 33:IT ~31:102021000015095 ~32:09/06/2021

2024/00275 ~ Complete ~54:GENERATING DIGITAL SIGNATURES ~71:nChain Licensing AG, Grafenauweg 6,
ZUG 6300, SWITZERLAND, Switzerland ~72: PETTIT, Michaela~ 33:GB ~31:2111442.6 ~32:09/08/2021

2024/00237 ~ Complete ~54:BIOLOGICAL CHARACTERISTIC AUTHENTICATION METHOD BASED ON FULL
HOMOMORPHIC ENCRYPTION ~71:Ningbo University of Finance and Economics, No. 899, Xueyuan Road,
Haishu District, Ningbo City, Zhejiang Province, People's Republic of China ~72: CHEN Zhigang~

2024/00250 ~ Complete ~54:A METHOD FOR SYNTHESIZING MACROPOROUS POLY (N-ISOPROPYL
ACRYLAMIDE) HYDROGEL SCAFFOLD FOR CHEMOTHERAPY TREATMENT ~71:Dr Arun Kumar, Krishi
Vigyan Kendra,Gwaldam-Chamoli, G. B. Pant University of Agriculture and Technology, Pantnagar-263145,
Uttarakhand, India;Dr Narendra Singh Jadon, Department of Veterinary Surgery and Radiology, College of
Veterinary and Animal Sciences, G. B. Pant University of Agriculture and Technology, Pantnagar-263145,
Uttarakhand, India;Dr Rashmi Saini, Veterinary Officer-Govt Angora Goat and Rabbit Farm, Gwaldam-Chamoli,
Uttarakhand, India;Dr. M.G.H. Zaidi, Department of Chemistry, College of Basic Sciences & Humanities,
G.B. Pant University of Agriculture & Technology, Pantnagar-263145, Uttarakhand, India;Dr. Sameena
Mehtab, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of
Agriculture & Technology, Pantnagar-263145, Uttarakhand, India ~72: Dr Arun Kumar;Dr Narendra Singh
Jadon;Dr Rashmi Saini;Dr. M.G.H. Zaidi;Dr. Sameena Mehtab~

2024/00261 ~ Complete ~54:MODIFICATION OF PLANT MESSENGER PACKS ~71:FLAGSHIP PIONEERING INNOVATIONS VI, LLC, 55 Cambridge Parkway, 8th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: MUNIR MOHAMMAD MOSAHEB;ROMAN LVOVITCH BOGORAD;SIDDHARTH DILIPKUMAR PATEL~ 33:US ~31:63/210,464 ~32:14/06/2021

2024/00274 ~ Complete ~54:SPIROCYCLIC PYRIDINE-1,5-DIONES EXHIBITING MNK INHIBITION AND THEIR METHOD OF USE ~71:4E Therapeutics, Inc., 3800 N. Lamar Blvd, Ste. 200, AUSTIN 78756, TX, USA, United States of America ~72: PRICE, Theodore J.;SAHN, James J.~ 33:US ~31:63/217,264 ~32:30/06/2021

2024/00247 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING CAROTID ARTERY PLAQUE AND CARDIO-CEREBROVASCULAR STENOSIS AND A PREPARATION METHOD THEREOF ~71:Yiming Ren, Room 101, Door 2, No. 3-48, Wanbao Community, Reyuan Street, Sartu District, Daqing City, Heilongjiang Province, 163001, People's Republic of China ~72: Yiming Ren~

2024/00263 ~ Complete ~54:TRPA1 CHANNEL ANTAGONIST COMPOUND FOR USE IN DEGENERATIVE RETINAL DISEASES ~71:FLONEXT S.R.L., Via Andrea Del Castagno 16, 50132, Firenze (FI), Italy ~72: FRANCESCO DE LOGU;PIERANGELO GEPPELTI;ROMINA NASSINI~ 33:IT ~31:102021000015098 ~32:09/06/2021

2024/00268 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTOR TO TARGET TROP-2-POSITIVE CANCERS ~71:Board of Regents, The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: ACHARYA, Sunil;BASAR, Rafet;MARIN COSTA, David;MERIC-BERNSTAM, Funda;REZVANI, Katy;UPRETY, Nadima~ 33:US ~31:63/220,283 ~32:09/07/2021

2024/00279 ~ Complete ~54:METHOD FOR PREPARING SHEET TIN DISULFIDE NANOMATERIAL FOR EFFICIENT ADSORPTION OF ORGANIC DYES ~71:CHINA TIN GROUP CO., LTD., No. 9, Guizhong Avenue, Chengzhong District, Liuzhou, People's Republic of China;CHINA TIN NONFERROUS METALS CO., LTD., 9th Floor, Block B, Beibu Gulf Shipping Center, No.12 Tiqiang Road, Liangqing District, Nanning, People's Republic of China ~72: HU, Mingzhen;NONG, Yongping;WANG, Lili;ZHOU, Deyan~ 33:CN ~31:202211242468.2 ~32:11/10/2022;33:CN ~31:202310367797.8 ~32:07/04/2023;33:CN ~31:202310367804.4 ~32:07/04/2023

2024/00241 ~ Complete ~54:OPEN SINTERING APPARATUS AND SINTERING METHOD FOR SINTERING ORE ~71:Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Lin MU;Wangwang MAO;Yan ZHOU;Yanchong YU~ 33:CN ~31:2023101665622 ~32:27/02/2023

2024/00254 ~ Complete ~54:ANTISENSE OLIGONUCLEOTIDE (ASO) GENE INHIBITION AND TREATMENT ~71:VANDA PHARMACEUTICALS INC., 2200 Pennsylvania Ave NW, Suite 300-E, United States of America ~72: PRZYCHODZEN, Bartlomiej;SMIESZEK, Sandra~ 33:US ~31:63/222,336 ~32:15/07/2021;33:US ~31:63/224,362 ~32:21/07/2021

2024/00260 ~ Complete ~54:WEAR ASSEMBLY ~71:BRADKEN RESOURCES PTY LIMITED, 20 McIntosh Drive, Mayfield West, New South Wales, 2304, Australia ~72: ADAM SCRIVEN;CHRISTOPHER DAVID EDMONDS;DEAN ELLIS;LAUREN GILLIAN;TERRY L BRISCOE~ 33:AU ~31:2021901737 ~32:09/06/2021;33:AU ~31:2021901738 ~32:09/06/2021;33:AU ~31:2021221837 ~32:25/08/2021

2024/00270 ~ Complete ~54:CAPILLARY BLOOD COLLECTION DEVICE ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: ALTHOFF, Charles Peter;FRICKE, Alex F.;TORRIS, Anthony V.;YAKHNICH, Vlad~ 33:US ~31:63/216,245 ~32:29/06/2021

2024/00245 ~ Complete ~54:FLUID ENTRAINMENT APPARATUS, SYSTEM AND METHOD FOR GENERATING BUBBLES, INCLUDING MICRO AND ULTRAFINE BUBBLES, IN A LIQUID ~71:RADEMAN, Heindré Keith, c/o Soldevco (Pty) Ltd, 64 Island View Close, Island View 2, South Africa;RAUTENBACH, Alisia, 64 Island View 2, South Africa;SOLDEVCO (PTY) LTD, 64 Island View Close, Island View 2, La Paloma, South Africa ~72: RADEMAN, Heindré Keith~ 33:ZA ~31:2022/10967 ~32:06/04/2023

2024/00266 ~ Complete ~54:HUMAN FIBRONECTIN TYPE III PROTEIN SCAFFOLDS ~71:Aro Biotherapeutics Company, 601 Walnut Street, Suite 740, PHILADELPHIA 19106 , PA, USA, United States of America ~72: DRUZINA, Zhanna;O'NEIL, Karyn;SWANSON, Ronald V.;XIN, Yao~ 33:US ~31:63/203,343 ~32:19/07/2021

2024/00277 ~ Complete ~54:PREPARATION METHOD OF IONIC RARE EARTH LEACHING AGENT ~71:CHINA TIN GROUP CO., LTD., No. 9, Guizhong Avenue, Chengzhong District, Liuzhou, People's Republic of China;CHINA TIN NONFERROUS METALS CO., LTD., 9th Floor, Block B, Beibu Gulf Shipping Center, No.12 Tiqiang Road, Liangqing District, Nanning, People's Republic of China ~72: HU, Mingzhen;LIN, Chengxu;QIN, Zuoming;TAN, Zongyong;TANG, Xiangjun;WANG, Lili;ZHAO, Mingyong~ 33:CN ~31:202211242468.2 ~32:11/10/2022;33:CN ~31:202310367797.8 ~32:07/04/2023;33:CN ~31:202310367804.4 ~32:07/04/2023

2024/00259 ~ Complete ~54:SALT AND CRYSTAL FORM OF PYRAZOLE-CONTAINING POLYCYCLIC DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No.3728 Jinke Road, Zhangjiang, Hi-Tech Park, Shanghai, 201203, People's Republic of China ~72: HUA DONG;LINSONG GUO~ 33:CN ~31:202110642255.8 ~32:09/06/2021;33:CN ~31:202110655580.8 ~32:11/06/2021

2024/00271 ~ Complete ~54:TREATMENT OF HAND ECZEMA WITH BARICITINIB ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: GROND, Susanne;RIEDL, Elisabeth~ 33:US ~31:63/203,757 ~32:30/07/2021

2024/00235 ~ Complete ~54:ALCANIVORAX DIESELOLEI, APPLICATION OF ALCANIVORAX DIESELOLEI, METHOD FOR CULTURING ALCANIVORAX DIESELOLEI, AND METHOD FOR DEGRADING PLASTICS ~71:Hainan Tropical Ocean University, Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, 572022, People's Republic of China ~72: MU, Jun;YANG, Jing;YAO, Lingdi~ 33:CN ~31:202310029487.5 ~32:09/01/2023

2024/00243 ~ Complete ~54:THREE DIMENSIONAL FITTING ROOM PLATFORM FOR ONLINE STORES ~71:Yi Shi, No.46 Shixiang, Gaoying Village, Huaiwei Town, Longzihu District, Bengbu, Anhui, People's Republic of China ~72: Yi Shi~ 33:CN ~31:2023117575109 ~32:20/12/2023

2024/00252 ~ Complete ~54:APPARATUS AND PROCESS FOR SEPARATING COMPONENTS OF A MULTIPHASE HYDROCARBON STREAM ~71:OMV DOWNSTREAM GMBH, Trabrennstrasse 6-8, Austria ~72: BARONCELLI, Martina;HOFER, Wolfgang;LECHLEITNER, Andreas~ 33:EP ~31:21195298.1 ~32:07/09/2021

2024/00257 ~ Complete ~54:METHOD FOR IF-INTERSTITIAL FREE STEEL PRODUCTION USING SCRAP IN ARC FURNACE FACILITIES ~71:OLAKOĞLU METALURJİ ANONİM ŞİRKETİ, Rüzgarlıbahçe Mahallesi Çam Pınarı Sk. No:1 İç Kapı No:16, Kavacık, Beykoz/Istanbul, 34805, Turkey ~72: DEMİRCİOĞLU, Mehmet Dinçer;GÜNDOĞAN, Burhan Burç;GÜNERDİ, Murat;KÜÇÜK, Talip~

2024/00272 ~ Complete ~54:SAMPLE CONTAINER FOR CAPILLARY BLOOD COLLECTION ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: ALTHOFF, Charles Peter;BOKKA SRINIVASA RAO, Kishore K.;TORRIS, Anthony V.;YAKHNICH, Vlad~ 33:US ~31:63/216,277 ~32:29/06/2021

2024/00244 ~ Complete ~54:METHOD FOR TREATING NON-POINT SOURCE POLLUTED WATER BASED ON ARTIFICIAL WETLAND RESTORATION ~71:Institute of Ecological Conservation and Restoration, Chinese Academy of Forestry, 1 Dongxiaofu, Xiangshan Road, Haidian District, Beijing, 100091, People's Republic of China;School of Architecture,Beijing Forestry University, No. 35 Qinghua East Road, Haidian District, Beijing, 100083, People's Republic of China ~72: LI Chunyi;LI Hui;LUO Yinjing;MA Hua;TAN Yuechen;YANG Si;ZHAN Yangying~

2024/00265 ~ Complete ~54:METHOD FOR TREATING A FLUID COMPRISING SALTS AND SYSTEM FOR IMPLEMENTING THE METHOD ~71:Hydromecanique et Frottement, 69 Avenue Benoît Fourneyron, ANDREZIEUX BOUTHEON 42160, FRANCE, France ~72: DESBOUCHE-JANNY, Marie-Noëlle;GARCIA, Frédéric;VIAL, Georges~ 33:EP ~31:21305998.3 ~32:16/07/2021

2024/00278 ~ Complete ~54:METHOD FOR PREPARING THE IN2SE3 NANOMATERIALS FOR PHOTOCATALYTIC DEGRADATION OF TETRACYCLINE ~71:CHINA TIN GROUP CO., LTD., No. 9, Guizhong Avenue, Chengzhong District, Liuzhou, People's Republic of China;CHINA TIN NONFERROUS METALS CO., LTD., 9th Floor, Block B, Beibu Gulf Shipping Center, No.12 Tiqiang Road, Liangqing District, Nanning, People's Republic of China ~72: HU, Mingzhen;NONG, Yongping;TAN, Zongyong;ZHOU, Deyan~ 33:CN ~31:202211242468.2 ~32:11/10/2022;33:CN ~31:202310367797.8 ~32:07/04/2023;33:CN ~31:202310367804.4 ~32:07/04/2023

2024/00246 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING RAPID HEALING OF FRACTURE AND A PREPARATION METHOD THEREOF ~71:Yiming Ren, Room 101, Door 2, No. 3-48, Wanbao Community, Reyuan Street, Sartu District, Daqing City, Heilongjiang Province, 163001, People's Republic of China ~72: Yiming Ren~

2024/00255 ~ Complete ~54:METHODS FOR TREATING ATOPIC DERMATITIS BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BANSAL, Ashish;GRAHAM, Neil;KAMAL, Mohamed;KOSLOSKI, Matthew, P.;RUDDY, Marcella~ 33:US ~31:63/236,035 ~32:23/08/2021;33:US ~31:63/297,908 ~32:10/01/2022;33:US ~31:63/319,500 ~32:14/03/2022;33:US ~31:63/341,948 ~32:13/05/2022

2024/00267 ~ Complete ~54:A SMART COVALENT ORGANIC FRAMEWORK AND A PROCESS FOR CARBON DIOXIDE ADSORPTION INDUCED SWITCHABLE ANTIBACTERIAL ACTIVITY THEREFROM ~71:COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, an Indian registered body incorporated under the Regn. of Soc. Act (Act XXI of 1860), Anusandhan Bhawan, 2 Rafi Marg, NEW DELHI 110 001, INDIA, India ~72: AYYAPPANPILLAI, Ajayaghosh;BHASKARAN NAIR SARASWATHY AMMA, Dileep Kumar;JACOB, Jubi;MAL, Arindam;MISHRA KUMAR, Rakesh;SHANKAR POOPANAL, Sreejith~ 33:IN ~31:202211000696 ~32:06/01/2022

2024/00276 ~ Complete ~54:FERRIC/FERROUS COUPLING IN MINERAL PROCESSING ~71:OXIDATION TECHNOLOGIES PTY LTD, 12/63 Knutsford Avenue, Australia ~72: HARRISON, Leslie Dale~

2024/00242 ~ Complete ~54:ANTI-COLLAPSE REINFORCING DEVICE FOR REVETMENT ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: JIA, Haipeng;LI, Yonglei;WANG, Yifan;WU, Wenlong;ZHANG, Shaochun;ZHAO, Caijie;ZHAO, Yuxia;ZHOU, Lu~

2024/00253 ~ Complete ~54:MODULAR, TRANSPORTABLE CLEAN HYDROGEN-AMMONIA MAKER
 ~71:FUELPOSITIVE CORPORATION, 82 Richmond St. East, Toronto,, Canada ~72: CHEHADE,
 Ghassan;DINCER, Ibrahim;ISHAQ, Haris;SIDDIQUI, Osamah~ 33:US ~31:63/197,884 ~32:07/06/2021;33:US
 ~31:17/826,641 ~32:27/05/2022

2024/00258 ~ Complete ~54:METHOD FOR CONTROLLING A CONVEYED FLUID MASS FLOW BY MEANS
 OF DIFFERENTIAL PRESSURE MEASUREMENT, AND SYSTEM THROUGH WHICH FLUID FLOWS ~71:BMA
 BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT AG, Am alten Bahnhof 5, 38122, Braunschweig, Germany
 ~72: GERALD CASPERS;HARTMUT HAFEMANN~ 33:DE ~31:10 2021 115 471.5 ~32:15/06/2021

- APPLIED ON 2024/01/09 -

2024/00312 ~ Complete ~54:AUTOMATIC DATA ENTRY FOR FORM DATA STRUCTURES USING
 APPLICATION PROGRAMMING INTERFACES ~71:BREX INC., 12832 Frontrunner Blvd, Suite 500, Draper,
 Utah, 84020, United States of America ~72: MILO SPIRIG;PRATIK TANDEL~ 33:US ~31:17/364,215
 ~32:30/06/2021

2024/00309 ~ Complete ~54:SPRING-ASSISTED LINEAR DRIVE ~71:BRÄUER SYSTEMTECHNIK
 GMBH, Gewerbering 33, 09456, Annaberg-Buchholz, Germany ~72: JENS NITZ~

2024/00317 ~ Complete ~54:METHOD FOR DETERMINING A LOCAL TEMPERATURE ANOMALY IN A
 FLUIDIZED BED OF A COMBUSTION BOILER, METHOD FOR CALIBRATING A NUMERICAL MODEL OF A
 FLUIDIZED BED OF A COMBUSTION BOILER, METHOD FOR ESTIMATING RISK OF FLUIDIZED BED
 COMBUSTION BOILER BED SINTERING, METHOD OF CONTROLLING A FLUIDIZED BED BOILER, AS WELL
 AS A COMBUSTION BOILER ~71:Sumitomo SHI FW Energia Oy, Metsänneidonkuja 10, ESPOO 02130,
 FINLAND, Finland ~72: KETTUNEN, Ari;LIUKKONEN, Mika;MIETTINEN, Jouni~

2024/00304 ~ Complete ~54:ANTI-SARS-COV-2-SPIKE GLYCOPROTEIN ANTIBODIES AND ANTIGEN-
 BINDING FRAGMENTS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road,
 Tarrytown, United States of America ~72: BAUM, Alina;KYRATSOUS, Christos;YANCOPOULOS, George, D.~
 33:US ~31:63/221,846 ~32:14/07/2021;33:US ~31:63/245,020 ~32:16/09/2021;33:US ~31:63/286,514
 ~32:06/12/2021;33:US ~31:63/289,126 ~32:13/12/2021;33:US ~31:63/289,419 ~32:14/12/2021;33:US
 ~31:63/291,328 ~32:17/12/2021

2024/00315 ~ Complete ~54:PRECIPITATE-STRENGTHENED HARD METAL-DIAMOND COMPOSITE
 ~71:Baker Hughes Oilfield Operations LLC, 17021 Aldine Westfield Road, HOUSTON 77073, TX, USA, United
 States of America ~72: BIRD, Marc;ROBERTSON, Andrew~ 33:US ~31:17/348,684 ~32:15/06/2021

2024/00327 ~ Complete ~54:A METHOD FOR PREPARING COMPOSITE BIOFERTILIZER WITH ACTIVE
 ALGAL CELLS ~71:Jiujiang difulai agriculture science and technology development co., ltd, Pengze county
 Modern Agriculture Demonstration Park Processing Zone, Jiujiang City, Jiangxi Province, People's Republic of
 China ~72: Hu beijuan;Li Shifeng;Lu qunwei;Qin kangxi;Wang Yafan;Wang kangjie;Zhang yunhui~ 33:CN
 ~31:202111525328.1 ~32:14/12/2021

2024/00305 ~ Complete ~54:FORMING PROCESS FOR ALUMINUM ALLOY BRACKET OF SOLAR
 PHOTOVOLTAIC PANEL ~71:An hui Krant Aluminum Products Co., Ltd, No.12 Guohua Road, Guangde
 Economic Development Zone, Xuancheng, Anhui, 242200, People's Republic of China ~72: PAN, Zutang;WANG,
 Xu;XIANG, Hua;XIONG, Maoqing;ZHANG, Xiong~ 33:CN ~31:2023108163082 ~32:05/07/2023

2024/00282 ~ Provisional ~54:BOGIE ~71:DUNCAN, Malcolm Douglas, 901 Cloud Cover Lane, Leander, United
 States of America ~72: DUNCAN, Malcolm Douglas~

2024/00290 ~ Complete ~54:A SIMULATION METHOD OF AUTOMATIC CONTROL MODEL BASED ON MATHEMATICAL CALCULATION ~71:Jiamusi University, No.258, Xuefu Street, Xiangyang District, Jiamusi City, Heilongjiang Province, 154007, People's Republic of China ~72: Qingchao DONG~

2024/00300 ~ Complete ~54:SEASONING CHILI SAUCE FERMENTED BY LACTIC ACID BACTERIA AND PREPARATION METHOD THEREFOR ~71:HUNAN AGRICULTURAL UNIVERSITY, Hunan Agricultural University, No.1 Nongda Road, Furong District, Changsha City, People's Republic of China ~72: DENG, Fangming;QIN, Shuangxia;ZHAO, Lingyan~ 33:CN ~31:2023103633700 ~32:07/04/2023

2024/00320 ~ Complete ~54:AEROSOL GENERATING COMPOSITION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid;CROSS, Jennifer Louise;MARTIN, Stuart~ 33:GB ~31:2110571.3 ~32:22/07/2021;33:GB ~31:2114194.0 ~32:04/10/2021

2024/00326 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF SYSTEMIC SCLEROSIS ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: BAE, Da Jeong;CHO, Min Jae;LEE, Caroline Hee;PARK, Joon Seok~ 33:KR ~31:10-2021-0097163 ~32:23/07/2021

2024/00285 ~ Complete ~54:METHOD FOR PREPARING CALCIUM SULFATE WHISKERS WITH HIGH ASPECT RATIO ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIN Biao;LUO Qing;WANG Xiao;XU Zhuoyue;ZHANG Jianwu;ZHANG Xiaoting~

2024/00288 ~ Complete ~54:A PREPARATION METHOD OF CARBON-BASED LOADED HIGH-ENTROPY METAL SALT COMPOSITES ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Huanglin DOU;Huijun LI;Jiajun CHEN;Xiaomin WANG;Zhenxin ZHAO~

2024/00292 ~ Complete ~54:COOLING AND ELECTRICAL ENERGY STORAGE DEVICE FOR BEDROOM OF APARTMENT ~71:Weimin Construction Technology Development (Guangdong) Co., Ltd., Room 1209, 12th Floor, No.1 Haijing Mingzhu Wealth Plaza, No.1 Maoming Avenue, Maoming High-tech Industrial Development Zone, Guangdong Province, 525400, People's Republic of China ~72: CHEN, Chun;CHEN, Zezhao~

2024/00297 ~ Complete ~54:METHOD AND APPARATUS FOR PLANNING EQUIPMENT CAPACITY OF INTEGRATED ENERGY STATION, TERMINAL, AND STORAGE MEDIUM ~71:NORTH CHINA ELECTRIC POWER UNIVERSITY, 2 Beinong Road, Changping District, People's Republic of China ~72: DONG, Huanran;DUAN, Haohan;GUO, Lu;GUO, Wenhui;TAO, Siyi;WANG, Yongli;YAN, Zixin~ 33:CN ~31:202310973805.3 ~32:04/08/2023

2024/00321 ~ Complete ~54:CAPILLARY BLOOD COLLECTION DEVICE ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: ALTHOFF, Charles Peter;BOKKA SRINIVASA RAO, Kishore K.;FRICKE, Alex F.;PORSCHEN, Leslie;TORRIS, Anthony V.;WENTZELL, Scott;YAKHNICH, Vlad~ 33:US ~31:63/216,252 ~32:29/06/2021

2024/00311 ~ Complete ~54:AUTOMATIC ADJUSTMENT OF LIMITS BASED ON MACHINE LEARNING FORECASTING ~71:BREX INC., 12832 Fronrunner Blvd, Suite 500, Draper, Utah, 84020, United States of America ~72: BRYANT CHEN;JEANETTE JIN;LILLIAN XU~ 33:US ~31:63/217,182 ~32:30/06/2021;33:US ~31:17/560,114 ~32:22/12/2021

2024/00319 ~ Complete ~54:CAPILLARY BLOOD COLLECTION DEVICE ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: BOKKA SRINIVASA RAO, Kishore K.;TORRIS, Anthony V.;WENTZELL, Scott;YAKHNICH, Vlad~ 33:US ~31:63/216,223 ~32:29/06/2021

2024/00283 ~ Provisional ~54:TOPJOT ~71:Mr Stefan Mark Egan, 6 3rd Street, Greymont,, South Africa ~72: Mr Stefan Mark Egan~

2024/00286 ~ Complete ~54:GROUTING AND PRE-TIGHTENING INTEGRATED TEST ANCHOR ROD ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1 Daxue Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;Yunlong Lake Laboratory of Deep Underground Science and Engineering, 10th Floor, Industrial Technology Research Institute (Building B, College Student Pioneer Park, Xuzhou National High-tech Zone), Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: HU Chengguo;HU Lihua;JIA Bangguo;LI Xiaozhao;LV Ming;MENG Bo;WU Yun;YIN Qian;ZHAO Nan;ZHAO Zhenlong~

2024/00287 ~ Complete ~54:METHOD FOR DIAGNOSING THRA GENE MUTATION WITH HIGH SENSITIVITY ~71:SHANGHAI UNIVERSITY OF MEDICINE & HEALTH SCIENCES, 279 Zhouzhu Road, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: CHEN Zhenghu;HE Li;PENG Nanqiu;WANG Li~

2024/00291 ~ Complete ~54:ASSEMBLED WALL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GUO, Junheng;GUO, Pinggong;MA, Lin;MA, Zhengwei;QU, Songzhao;WANG, Lizhi;WANG, Yi;WU, Hairong;WU, Qiong;XUE, Na;YOU, Peibo;ZHAO, Jin;ZHENG, Chao~

2024/00295 ~ Complete ~54:A DEEP HOLE PULLING ROD AND DRILL BIT POSITIONING AUXILIARY DEVICE FOR ANCHOR BOLT MACHINE AND ITS USE METHOD ~71:Guizhou Jiutai Bangda Energy Development Co., Ltd., Panzhou City, Liupanshu City, Guizhou Province, 553500, China, People's Republic of China ~72: Bang, Ye;Fushan, Tang;Jingxin, Dong;Qi, Shi;Xudong, Chen~

2024/00296 ~ Complete ~54:METHODS AND COMPOSITIONS TO GRAFT BONE USING IRON EXCIPIENTS ~71:ZETAGEN THERAPEUTICS, INC., 841 E Fayette St., Ste. 1100, Syracuse, New York, 13210, United States of America ~72: BRYAN S MARGULIES;NIKHIL A THAKUR~ 33:US ~31:63/053,277 ~32:17/07/2020

2024/00303 ~ Complete ~54:METHOD AND APPARATUS FOR MEASURING SURFACE TEMPERATURE OF OBJECT ~71:JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD., No. 1801, Unit 1, Building 13, Wanlonglishuiwan (One), Chaofan Street High-Tech Development Zone, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110851896.4 ~32:27/07/2021

2024/00325 ~ Complete ~54:SYSTEM, METHOD AND APPARATUS FOR PROVIDING A GEARBOX EXPANSION CAP AND VALVE ASSEMBLY ~71:VALMONT INDUSTRIES, INC., One Valmont Plaza Omaha, United States of America ~72: DILLON, Cory J.~ 33:US ~31:63/230,197 ~32:06/08/2021

2024/00281 ~ Provisional ~54:BOGIE ~71:DUNCAN, Malcolm Douglas, 901 Cloud Cover Lane, Leander, Texas, United States of America ~72: DUNCAN, Malcolm Douglas~

2024/00314 ~ Complete ~54:COMPOSITIONS FOR THE TREATMENT OF HYPOPIGMENTATION ~71:UNIVERSITY OF PRETORIA, Corner Lynnwood Road and Roper Street Hatfield 0002, Pretoria, Gauteng, South Africa ~72: ANALIKE BLOM VAN STADEN;NAMRITA LALL~ 33:GB ~31:2109297.8 ~32:28/06/2021

2024/00306 ~ Complete ~54:SUBSTITUTED PYRIMIDINYL-PYRAZOLES AS CDK2 INHIBITORS ~71:BLUEPRINT MEDICINES CORPORATION, 45 Sidney Street, Cambridge, Massachusetts, 02139, United

States of America ~72: DOUGLAS WILSON;EMANUELE PEROLA;NATASJA BROOIJMANS;NEIL BIFULCO JR.;PHILIP D RAMSDEN;RICHARD VARGAS;STEVEN MARK WENGLAWSKY~ 33:US ~31:63/211,426 ~32:16/06/2021;33:US ~31:63/327,474 ~32:05/04/2022

2024/00308 ~ Complete ~54:AUTOMATIC LABELING OF TEXT DATA ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: CHRISTIAN RUDNICK;MICHAEL ABRAHAM BETSER;MILENKO DRINIC;MOHIT SEWAK;PAK ON CHAN;RAVI KIRAN REDDY POLURI;SHARADA SHIRISH ACHARYA;SIHONG LIU;WEISHENG LI;WILLIAM BLUM~ 33:IN ~31:202141029147 ~32:29/06/2021;33:US ~31:17/711,506 ~32:01/04/2022

2024/00318 ~ Complete ~54:SIDE-PORT INJECTION DEVICES FOR USE WITH ELECTROPORATION, AND RELATED SYSTEMS AND METHODS ~71:Inovio Pharmaceuticals, Inc., 660 W. Germantown Pike, Suite 110, PLYMOUTH MEETING 19462, PA, USA, United States of America ~72: CONTRERAS, Ryne Lucas;FISHER, Paul;GENEROTTI, Alison A.;MCCOY, Jay;ZOUNES, Brenden Ulysses~ 33:US ~31:63/217,069 ~32:30/06/2021

2024/00310 ~ Complete ~54:METHODS OF REGULATING ADENO-ASSOCIATED VIRUS PRODUCTION ~71:SPARK THERAPEUTICS, INC., 3737 Market Street, Ste 1300, Philadelphia, Pennsylvania, 19104, United States of America ~72: AHMET YUNUS OZDEMIR;MUSTAFA YAZICIOGLU~ 33:US ~31:63/209,735 ~32:11/06/2021;33:US ~31:63/350,849 ~32:09/06/2022

2024/00316 ~ Complete ~54:PRESSURE-SENSITIVE LABEL ~71:Multi-Color Corporation, 4053 Clough Woods Dr., BATAVIA 45103, OH, USA, United States of America ~72: CASSANI, Paul J.;KAINEC, Samantha L.;MCKILLIP, Barron G.~ 33:US ~31:17/350,370 ~32:17/06/2021;33:US ~31:17/490,110 ~32:30/09/2021

2024/00307 ~ Complete ~54:AAV VECTOR COLUMN PURIFICATION METHODS ~71:SPARK THERAPEUTICS, INC., 3737 Market Street, Suite 1300, Philadelphia, Pennsylvania, 19104, United States of America ~72: MI JIN;OHNMAR KHANAL;VIJESH KUMAR~ 33:US ~31:63/209,680 ~32:11/06/2021;33:US ~31:63/366,094 ~32:09/06/2022

2024/00313 ~ Complete ~54:POTASSIUM BORON-CONTAINING FERTILIZER AND PROCESS ~71:U.S. BORAX INC., 251 Little Falls Drive, Wilmington, Delaware, 19808, United States of America ~72: CLEITON DE SEQUEIRA;FLAVIO BARCELOS CARDOSO;WENDALL BOEHLJE~ 33:US ~31:63/212,411 ~32:18/06/2021

2024/00280 ~ Provisional ~54:FIRE EXTINGUISHMENT ~71:DUNCAN, Douglas Malcolm, 901 Cloud Cover Lane, Leander, United States of America;DUNCAN, Grant Malcolm, 901 Cloud Cover Lane, Leander, United States of America;DUNCAN, Malcolm Douglas, 901 Cloud Cover Lane, Leander, United States of America ~72: DUNCAN, Douglas Malcolm;DUNCAN, Grant Malcolm;DUNCAN, Malcolm Douglas~

2024/00284 ~ Complete ~54:PROCESSING METHOD FOR INACTIVATING ALLIINASE ACTIVITY IN GARLIC ~71:Xinjiang Agricultural Vocational Technical College, No.29 Wenhua East Road, Changji City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: DANG Jianlei;HAN Xiaopeng;MA Wenpeng;SHI Xiuhua;TAO Jinhua;XU Jian;ZHOU Yong~

2024/00289 ~ Complete ~54:A DIAGNOSIS METHOD OF ROLLING BEARING FAULT BASED ON ADAPTIVE MATHEMATICAL MORPHOLOGY ~71:Jiamusi University, No.258, Xuefu Street, Xiangyang District, Jiamusi City, Heilongjiang Province, 154007, People's Republic of China ~72: Qingchao DONG~

2024/00301 ~ Complete ~54:WATER BODY PURIFICATION APPARATUS FOR RURAL LANDSCAPE TREATMENT ~71:HEBEI YANG KIM ENVIRONMENT TECHNOLOGY CO., LTD, Room 503, Unit 1, Building 5, Future Weishu, No.1999, East Second Ring Road, Lianchi District, For Commercial Use, Baoding, Hebei, 071000, People's Republic of China ~72: BIAN, Yuming;CHEN, Dong;CHENG, Wuqun;LIU, Yifan;MI, Qiuju;MI,

Yong;PANG, Di;WANG, Manying;ZHANG, Yuling;ZHAO, Kai;ZHEN, Lipeng~ 33:CN ~31:202310967064.8
~32:03/08/2023

2024/00324 ~ Complete ~54:INTERACTIVE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited,
Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY,
Patrick~ 33:GB ~31:2110911.1 ~32:29/07/2021

2024/00323 ~ Complete ~54:A METHOD FOR MANUFACTURING A FOOD PRODUCT FROM YEAST AND A
YEAST BASED FOOD PRODUCT ~71:Usarium Inc., 479 Jessie Street, SAN FRANCISCO 94103 , CA, USA,
United States of America ~72: MANCHULIANTS AU, Aleh~ 33:US ~31:63/221,755 ~32:14/07/2021

2024/00294 ~ Complete ~54:A FORMULA FOR TREATING BONE HYPERPLASIA AND PREPARATION
METHOD THEREOF ~71:Yanwei Dou, Douzhuang Village, Baichi Town, Shangcai County, Zhumadian, Henan,
463800, People's Republic of China ~72: Yanwei Dou~ 33:CN ~31:2023117319899 ~32:16/12/2023

2024/00299 ~ Complete ~54:ARBOR SEED COLLECTION DEVICE ~71:SHAANXI ACADEMY OF FORESTRY,
NO. 3 DABAIYANG EAST ROAD, People's Republic of China ~72: ZHANG, Xitang~

2024/00302 ~ Complete ~54:OPHTHALMIC INJECTION ASSEMBLY AND INJECTION DEVICE, AND USE
METHOD ~71:CHENGDU ORIGEN BIOTECHNOLOGY CO., LTD., 6th Floor, Building 2, No.108 Shuxi Road,
People's Republic of China ~72: JIANG, Hao;KE, Xiao;LONG, Yang;QIN, Yingfei;ZHENG, Qiang~ 33:CN
~31:202110830969.1 ~32:22/07/2021

2024/00322 ~ Complete ~54:METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A
TEREPHTHALATE POLYMER INTO REUSABLE RAW MATERIAL ~71:Ioniqa Technologies B.V., De Lismortel
31, EINDHOVEN 5612 AR, THE NETHERLANDS, Netherlands ~72: DE HAAN, Andr#233; Banier;FUFACHEV,
Egor Vasilyevich;WOLTERS, Alexander Thomas;WOLTERS, Joost Robert~ 33:NL ~31:2028499
~32:21/06/2021

2024/00293 ~ Complete ~54:AN INERTER BASED BASE ISOLATION SYSTEM USING LINEAR MOTION
GUIDE AND TENSION SPRINGS ~71:Azeem M, Research Scholar, NIT Campus (P.O), Calicut, Kerala, 673601,
India;Dr. P.V. Indira, Professor (HAG), (Retd.), Department of Civil Engineering, NIT Campus (P.O), Calicut,
Kerala, 673601, India;Dr. Sajith A.S, Professor, Department of Civil Engineering, NIT Campus (P.O), Calicut,
Kerala, 673601, India;NATIONAL INSTITUTE OF TECHNOLOGY CALICUT, NIT Campus (P.O), Calicut, Kerala,
673601, India ~72: Azeem M;Dr. P.V. Indira;Dr. Sajith A.S~

2024/00298 ~ Complete ~54:COLLABORATIVE PLANNING METHOD FOR INTEGRATED ENERGY SYSTEM
CONSIDERING CARBON CYCLE OF WASTE POWER GENERATION ~71:NORTH CHINA ELECTRIC POWER
UNIVERSITY, 2 Beinong Road, Changping District, People's Republic of China ~72: CAI, Chengcong;DONG,
Huanran;GUO, Wenhui;GUO, Lu;WANG, Yongli;YAN, Zixin;ZHANG, Yinuo~ 33:CN ~31:202310981437.7
~32:07/08/2023

- APPLIED ON 2024/01/10 -

2024/00358 ~ Complete ~54:HIGH-STRENGTH, DURABLY- FLAME RETARDANT, AND SEAWATER
CORROSION-RESISTANT PLASTIC-WOOD COMPOSITE MATERIAL AND PREPARATION METHOD
THEREOF ~71:HUANGSHAN MEISEN NEW MATERIAL TECHNOLOGY CO., LTD., NO.17, HANLIN ROAD, HI-
TECH INDUSTRIAL DEVELOPMENT ZONE, HUANGSHAN, People's Republic of China ~72: SHENG,
Yuejin;WEI, Huaikun;ZHAO, Xiaoliang~ 33:IB ~31:PCT/CN2023/127280 ~32:27/10/2023

2024/00364 ~ Complete ~54:CONFIGURATION SYSTEM FOR A WIRELESS COMMUNICATION NETWORK
~71:WIROPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: HANNU HIRVI;VILLE JUVEN;VILLE KASEVA~
33:FI ~31:20215710 ~32:16/06/2021

2024/00368 ~ Complete ~54:DOUBLE-WEDGE ROCK BOLT ~71:Sandvik Mining and Construction Australia
(Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA,
Australia ~72: DARLINGTON, Bradley;RATAJ, Mietek;ROACH, Warren~ 33:EP ~31:21189971.1
~32:05/08/2021

2024/00356 ~ Complete ~54:BIFUNCTIONAL DEGRADERS OF INTERLEUKIN-1 RECEPTOR-ASSOCIATED
KINASES AND THERAPEUTIC USE THEREOF ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive Foster City,
United States of America;NURIX THERAPEUTICS, INC., 1700 Owens Street, Suite 205 San Francisco, United
States of America ~72: KANE, TIM;LEE, JOHN;OZBOYA, KEREM;PALMER, WYLIE;WU, JEFFREY~ 33:US
~31:63/234,606 ~32:18/08/2021

2024/00359 ~ Complete ~54:MOLDED HYBRID PILLOW ~71:SEALY TECHNOLOGY, LLC, One Office Parkway,
Trinity, North Carolina, 27370, United States of America ~72: ALLEN M PLATEK;BRIAN M MANUSZAK;JAMES A
BEAMON;ROBBIE HANSON~ 33:US ~31:63/214,503 ~32:24/06/2021

2024/00360 ~ Complete ~54:HYBRID PILLOW ~71:SEALY TECHNOLOGY, LLC, One Office Parkway, Trinity,
North Carolina, 27370, United States of America ~72: ALLEN M PLATEK;BRIAN M MANUSZAK;JAMES A
BEAMON;ROBBIE HANSON~ 33:US ~31:63/214,505 ~32:24/06/2021

2024/00369 ~ Complete ~54:IMPROVED POZZOLAN AND METHODS OF MAKING AND USING SAME
~71:Progressive Planet Solutions Inc., 1240 - 789 West Pender Street, VANCOUVER V6C 1H2, BRITISH
COLUMBIA, CANADA, Canada ~72: GRANT , Ian;HARPUR, Stephen;MAH, Roger~ 33:US ~31:63/222,912
~32:16/07/2021

2024/00371 ~ Complete ~54:OPTICAL EFFECT LAYERS COMPRISING MAGNETIC OR MAGNETIZABLE
PIGMENT PARTICLES AND METHODS FOR PRODUCING SAID OPTICAL EFFECT LAYERS ~71:SICPA
HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: BAUDRAZ,
Christophe;CALLEGARI, Andrea;DEMANGE, Raynald;FAVRE, Dominique;LOGINOV, Evgeny~ 33:EP
~31:21178995.3 ~32:11/06/2021

2024/00337 ~ Complete ~54:AN ENHANCED TEMPERATURE SELF-REGULATING ASPHALT PAVEMENT
CONSTRUCTION MATERIAL, STRUCTURE AND CONSTRUCTION METHOD THEREOF ~71:Beijing University
of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100124, People's Republic of China ~72: Jinxi
ZHANG;Yangguang ZHANG;Yongchang ZHUO;Zizhen DONG~

2024/00341 ~ Complete ~54:DEVICE FOR MEASURING UNDERGROUND GROWTH OF ROOT VEGETABLES
~71:Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences, 531 Anqing Street, Dongfeng District,
Jiamusi City, Heilongjiang Province, People's Republic of China ~72: CHEN Dexiang;DU Yongsheng;FENG
Haoyuan;GAO Xuedong;LI Zengjie;MENG Qingying;WANG Nannan;WANG Qingsheng;YANG Xiaohe;YUE
Minghao;ZHANG Chunfeng;ZHU Baoguo~

2024/00342 ~ Complete ~54:ALL-WEATHER ROAD MOBILE SIGN CART ~71:LUDONG UNIVERSITY, NO.186,
Middle Hongqi Road, Zhifu District, Yantai City, Shandong, People's Republic of China ~72: CHU Shiqin;LUAN
Yexing;ZHOU Hong;ZHOU Jianbo~

2024/00375 ~ Complete ~54:AN AIR RELEASE VALVE INSTALLATION ~71:MILLER, James Douglas, Laughing Waters Farm, Munster, 4278, SOUTH AFRICA, South Africa ~72: MILLER, James Douglas~ 33:ZA ~31:2021/06112 ~32:25/08/2021

2024/00373 ~ Complete ~54:ACTRII PROTEINS AND USES THEREOF ~71:Acceleron Pharma Inc., 128 Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: ANDRE, Patrick;KUMAR, Ravindra;LI, Gang~ 33:US ~31:63/209,871 ~32:11/06/2021

2024/00376 ~ Complete ~54:HYPODERMIC NEEDLE DESTRUCTION ~71:NSMART TRADING LIMITED, 15a Tiger Court, Kings Business Park, United Kingdom ~72: KIRBY, Clifford~

2024/00366 ~ Complete ~54:AAV MANUFACTURING METHODS ~71:MeiraGTx UK II Limited, 92 Britannia Walk, LONDON N1 7NQ, UNITED KINGDOM, United Kingdom ~72: DZIOPA, Florian;LEEWIS, Bastiaan;VALINHAS, Ana~ 33:US ~31:63/211,877 ~32:17/06/2021

2024/00370 ~ Complete ~54:EPITHELIAL SODIUM CHANNEL (ENAC) INHIBITOR CONJUGATES AND METHODS FOR USE THEREOF ~71:Lung Therapeutics, Inc., 3801 S. Capital of Texas Hwy, Suite 330, AUSTIN 78704, TX, USA, United States of America ~72: CHRISTENSEN, Dale J.~ 33:US ~31:63/219,488 ~32:08/07/2021;33:US ~31:63/243,629 ~32:13/09/2021

2024/00363 ~ Complete ~54:METHODS FOR IMPROVED T CELL RECEPTOR SEQUENCING ~71:PACT PHARMA, INC., 2 Corporate Drive, South San Francisco, California, 94080, United States of America ~72: BENJAMIN T. K YUEN;DUO AN;SAPARYA NAYAK;SONGMING PENG;STEFANIE MANDL-CASHMAN~ 33:US ~31:63/212,286 ~32:18/06/2021

2024/00362 ~ Complete ~54:METHOD OF AND SYSTEM FOR OPERATING A VERTICAL GRINDING MILL ~71:ANGLO AMERICAN MINÉRIO DE FERRO BRASIL S/A, Km-185 MG-10 Road, Córrego Pereira, Conceição do Mato Dentro, Minas Gerais, 35860-000, Brazil ~72: KELLSON TAKENAKA MENEZES;MARIO CESAR CASTRO ARRUDA;MARLON FÁBIO MARQUES LINO;MAURO ALBERTO CASTHELOGE ROSSI;RICARDO OLIVEIRA COUTINHO~ 33:GB ~31:2109006.3 ~32:23/06/2021

2024/00365 ~ Complete ~54:METHODS OF PREPARING COMPOSITIONS COMPRISING A CONSTITUENT, DERIVATIVE OR EXTRACT OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven;DANIEL, Michael;MCQUILLAN, Karina;POOLE, Thomas;TANG, Kai;XU, Keyi~ 33:US ~31:63/224,565 ~32:22/07/2021

2024/00330 ~ Provisional ~54:A DRIVE MOTOR ~71:COHEN, Lloyd, 40 King Fisher Drive, Pecanwood Estate, Broederstroom, North West, 0240, SOUTH AFRICA, South Africa;RADEV, Ivan Nikolov, 220a Blvd. Lomsko Shose, Sofia 1231, BULGARIA, Bulgaria ~72: RADEV, Ivan Nikolov~

2024/00335 ~ Complete ~54:A SOLID WASTE WET SEPARATION EQUIPMENT AND SEPARATION METHOD THEREOF ~71:Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Huayun DU;Jianlong LI;Lifeng HOU;Lin MU;Yan ZHOU;Yanchong YU~ 33:CN ~31:2023102958584 ~32:24/03/2023

2024/00367 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HAINES, Richard;POTTER, Mark;XIAO, Zhihuang~ 33:GB ~31:2110311.4 ~32:19/07/2021;33:GB ~31:2110323.9 ~32:19/07/2021;33:GB ~31:2110324.7 ~32:19/07/2021;33:GB ~31:2110325.4 ~32:19/07/2021

2024/00361 ~ Complete ~54:NEW SELECTIVE ANGIOTENSIN II COMPOUNDS ~71:VICORE PHARMA AB, Kornhamnstorg 53, SE-111 27, Stockholm, Sweden ~72: ANDERS HALLBERG;BENGT OHLSSON;MATS LARHED;NADIA NASSER PETERSEN;TOMAS FEX~ 33:GB ~31:2109946.0 ~32:09/07/2021;33:GB ~31:2202664.5 ~32:25/02/2022

2024/00328 ~ Provisional ~54:4G SMART GLASSES BUILT-IN ELECTRONIC SIM CARD WITH CALL AND MESSAGE NOTIFICATION AND MAKE CALLS AFTER IT IS CONNECTED TO THE SMARTPHONE AND NOTIFICATIONS AND MESSAGES OF DIFFERENT SOCIAL APPS ~71:AHMED WASEEF SAIB, 24 Park Avenue, Desainagar, South Africa ~72: AHMED WASEEF SAIB~

2024/00331 ~ Provisional ~54:INDUCTIVE TOUCH SCREEN ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr.~

2024/00334 ~ Complete ~54:A HIGH-ENTROPY SPINEL ABSORBING CERAMIC MATERIAL AND ITS PREPARATION METHOD ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Xiaomin WANG;Yanlan ZHANG;Yongzhen WANG;Zhengyan WANG~ 33:CN ~31:2023101598859 ~32:22/02/2023

2024/00340 ~ Complete ~54:OPTIMAL SELECTION METHOD AND SYSTEM FOR DEEP BRINE TARGET AREA ~71:Qaidam Comprehensive Geological and Mineral Exploration Institute of Qinghai Province, No. 12 Kunlun South Road, Golmud, Qinghai Province, People's Republic of China ~72: CHEN Jingyuan;HAN Guang;LI Dongsheng;LI Shuwei;LIU Jiubo;PAN Tong;QIU Xindi;SUO Lina;WANG Qingchuan;ZHANG Xiaodong~ 33:CN ~31:2023116005362 ~32:28/11/2023

2024/00344 ~ Complete ~54:MINIATURE TILLER CAPABLE OF TURNING BY 360 DEGREES IN PLACE ~71:SHANDAN COUNTY WETLAND PROTECTION STATION, SHANDAN COUNTY NANHU PARK EVERGREEN GARDEN, People's Republic of China;WUWEI CITY FORESTRY COMPREHENSIVE SERVICE CENTER, ROOM 1305, AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY COMPREHENSIVE SERVICE BUILDING, People's Republic of China;WUWEI SHIYANG RIVER FORESTRY GENERAL FARM, NO. 66 XIQU ROAD, People's Republic of China ~72: WANG, Bin;XU, Fahui;YU, Tianquan;ZHAO, Yankun~

2024/00378 ~ Complete ~54:CANNABINOID COMPOSITION AND APPLICATION THEREOF IN PREPARATION OF DRUG FOR TREATING NEURODEGENERATIVE DISEASES SUCH AS PARKINSON'S DISEASE AND ALZHEIMER'S DISEASE ~71:HEMPIRE (SHANGHAI) PHARMACEUTICAL R&D LIMITED, Block 1, Fangchun Rd 400, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: HUANG, Sui;TAI, Hei;WANG, Guijiang;XIAO, Wan;ZOU, Chendong~ 33:CN ~31:202110916566.9 ~32:11/08/2021

2024/00377 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:Beijing Dajia Internet Information Technology Co., Ltd, Room 101, 8th Floor, Building 12, No. 16, Xierqi West Road, Haidian District, People's Republic of China ~72: CHEN, Wei;CHEN, Yi-Wen;JHU, Hong-Jheng;KUO, Che-Wei;WANG, Xianglin;XIU, Xiaoyu;YAN, Ning;YU, Bing~ 33:US ~31:63/215,961 ~32:28/06/2021

2024/00333 ~ Complete ~54:A HIGH-ENTROPY GARNET SOLID-STATE ELECTROLYTE CERAMIC AND ITS PREPARATION METHOD AND APPLICATION ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Shaoxiong HAN;Xiaomin WANG;Yongzhen WANG~ 33:CN ~31:2023101918344 ~32:02/03/2023

2024/00336 ~ Complete ~54:METHOD AND SYSTEM FOR OBTAINING EQUIVALENT NO-LOAD KINETIC ENERGY OF ESCALATOR BASED ON LOAD BRAKING ~71:Guangdong Mechanical & Electrical

Polytechnic, No.2 Chanchushi Rd. East, Tonghe, Baiyun District, Guangzhou, Guangdong, 510515, People's Republic of China ~72: HUANG Guojian;LI Zhongxing~

2024/00345 ~ Complete ~54:LYOPHYLLUM DECASTES (FR.:FR) SING. MYCELIUM HEALTH TEA AND PREPARATION METHOD THEREFOR ~71:DEZHOU ACADEMY OF AGRICULTURAL SCIENCES, NO. 926, DEXINGZHONG AVENUE, People's Republic of China ~72: DU, Mengyang;LI, Hongjie;LI, Zishuang;WANG, Yuxia;ZHANG, Hongyong;ZHANG, Shuliang;ZHANG, Yu;ZHOU, Xiaolin~

2024/00352 ~ Complete ~54:NEW GASOLINE ADDITIVE PACKAGES ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: HANSCH, Markus;MEZGER, Jochen;MOLAWI, Kian;WALTER, Marc;ZORN, Matthias~ 33:EP ~31:21179502.6 ~32:15/06/2021

2024/00357 ~ Complete ~54:DEPLOYMENT OF A DETONATOR ASSEMBLY ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: KRUGER, Michiel Jacobus~ 33:ZA ~31:2021/07056 ~32:22/09/2021

2024/00329 ~ Provisional ~54:A MANAGEMENT SYSTEM FOR PROJECT FUNDING ~71:VOUTSAS, Stratis, 1425 K STREET, N.W., WASHINGTON DC 20005, USA, South Africa ~72: VOUTSAS, Stratis~

2024/00343 ~ Complete ~54:METHOD FOR TREATING HIGHWAY ROADBED SETTLEMENT BY HIGH-PRESSURE JET GROUTING PILE DOUBLE-PIPE METHOD ~71:SHANXI VOCATIONAL UNIVERSITY OF ENGINEERING SCIENCE AND TECHNOLOGY, NO. 369, WENHUA STREET, People's Republic of China ~72: YANG, Xiyang;ZHANG, Yong;ZHAO, Hua~

2024/00372 ~ Complete ~54:TYPE V RNA PROGRAMMABLE ENDONUCLEASE SYSTEMS ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BEDNARSKI, Christien;COHNEN, Andre;KNYPHAUSEN, Philipp;MARKERT, Saskia Diana;NEERINCX, Andreas;RICHTER, Florian;TURAN, Sören~ 33:EP ~31:21179011.8 ~32:11/06/2021;33:EP ~31:21196182.6 ~32:10/09/2021

2024/00374 ~ Complete ~54:CONSTITUENT, DERIVATIVE OR EXTRACT OF CANNABIS IN A WATER SOLUBLE MATRIX ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven;DANIEL, Michael;MCQUILLAN, Karina;POOLE, Thomas;TANG, Kai;XU, Keyi~ 33:US ~31:63/224,623 ~32:22/07/2021

2024/00346 ~ Complete ~54:HIGH-PURITY AND HIGH-YIELD 4-BROMOFLUOROBENZENE SYNTHESIS METHOD ~71:SHANDONG XINLONG AGROCHEM CO., LTD., 4th Industrial Road, Wanggao Industrial Park, Tianliu Town, Shouguang, Weifang, Shandong, 262700, People's Republic of China ~72: JINFENG NI;PEIJIE DING;SHIXIN ZHAO~ 33:CN ~31:2023103151888 ~32:29/03/2023

2024/00348 ~ Complete ~54:ELASTOGRAPHY DEVICE AND METHOD ~71:ECHOSENS, 6 Rue Ferrus, 75014, Paris, France ~72: LAURENT SANDRIN;STÉPHANE AUDIERE~ 33:EP ~31:23305032.7 ~32:10/01/2023;33:US ~31:18/152,516 ~32:10/01/2023

2024/00349 ~ Complete ~54:TORSION HOLDER ~71:BRELKO PATENTS (PTY) LTD, Reuven Extension 1, 44 Chambers St., Booyens, South Africa ~72: CHRISTIAN, Paul~ 33:ZA ~31:2023/08925 ~32:21/09/2023

2024/00354 ~ Complete ~54:YIELD IMPROVEMENT BY GENE COMBINATIONS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BOCCI ZANON, Renata;CUI, Yunxing, Cory;DEYOUNG, Brody, John;SCHULTHEISS, Holger~ 33:US ~31:63/210,291 ~32:14/06/2021

2024/00350 ~ Complete ~54:A SYSTEM FOR DETERMINING AUTHENTICITY OF NEWS ARTICLES ON DIGITAL PLATFORMS ~71:Claudio Ruff, General Gana #1670, Santiago, 8370799, Chile;Cristobal Herrera

Vega, Juan Carlos #1667, La Florida, Santiago, 8240197, Chile; Jos#233; Miguel Rubio Le#243;n, El Canal Avenue #21500-42, Pudahuel, Santiago, 9061752, Chile; Manuel Garc#237;a Mar#237;n, Isla Quenui #264, Pudahuel, Santiago, 9061406, Chile; Universidad Bernardo O'Higgins, Viel Avenue #1497, Santiago, 8370993, Chile ~72: Cristobal Herrera Vega; Jos#233; Miguel Rubio Le#243;n; Manuel Garc#237;a Mar#237;n~

2024/00332 ~ Provisional ~54: ORAL MEDICINE DISPENSING SYSTEM ~71: MARTIN, Robert James, Buitenverwachting Farm, Klein Constantia Road, South Africa; OELZ, Alexander Markus, 8 Dressage Close, South Africa ~72: MARTIN, Robert James; OELZ, Alexander Markus~

2024/00338 ~ Complete ~54: FORWARD-MOVING GUIDE SNOW SHOVEL CAPABLE OF QUICKLY DISCHARGING SNOW ~71: LUDONG UNIVERSITY, NO.186, Middle Hongqi Road, Zhifu District, Yantai City, Shandong, People's Republic of China ~72: CHU Shiqin; ZHOU Hong; ZHOU Jianbo~

2024/00339 ~ Complete ~54: PLOW FOR MIXING STRAW AND SUBSOIL ~71: Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences, 531 Anqing Street, Dongfeng District, Jiamusi City, Heilongjiang Province, People's Republic of China ~72: CHEN Dexiang; DU Yongsheng; FENG Haoyuan; GAO Xuedong; LI Zengjie; MENG Qingying; WANG Nannan; WANG Qingsheng; YANG Xiaohu; YUE Minghao; ZHANG Chunfeng; ZHU Baoguo~

2024/00347 ~ Complete ~54: METHOD FOR SYNTHESIZING CHLORFENAPYR ~71: SHANDONG XINLONG AGROCHEM CO., LTD., 4th Industrial Road, Wanggao Industrial Park, Tianliu Town, Shouguang, Weifang, Shandong, 262700, People's Republic of China ~72: JINFENG NI; PEIJIE DING; SHIXIN ZHAO~ 33: CN ~31: 2023103687132 ~32: 10/04/2023

2024/00351 ~ Complete ~54: ENZYMATIC METHOD FOR THE PRODUCTION OF L-GLUFOSINATE P-ALKYL ESTERS ~71: EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: LAUTENSCH#220;TZ, Ludger; M#220;LLER, Jakob; O#223;WALD, Steffen; P#214;TTER, Markus~ 33: EP ~31: 21179773.3 ~32: 16/06/2021

2024/00353 ~ Complete ~54: OUTDOOR ENERGY-STORAGE DEVICE ~71: ENVOLA GMBH, MAX-BORN-STRASSE 2-4, 89081 ULM, GERMANY, Germany ~72: IHLE, Gerhard; SCHECHNER, Alexander; SCHWENK, G#252;nther~ 33: DE ~31: 10 2021 118 417.7 ~32: 16/07/2021

2024/00355 ~ Complete ~54: RECOMBINANT MICROORGANISM IN WHICH EXPRESSION OF NADH:QUINONE OXIDOREDUCTASE IS CONTROLLED, AND METHOD FOR PRODUCING O-PHOSPHOSERINE, CYSTEINE, AND DERIVATIVE THEREOF BY USING SAME ~71: CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: JUNG, Hwi-Min; LEE, Jin Nam; PARK, Hye Min; SIM, Hee-jin~ 33: KR ~31: 10-2021-0081785 ~32: 23/06/2021

- APPLIED ON 2024/01/11 -

2024/00400 ~ Complete ~54: A STABLE BLEACH COMPOSITION ~71: UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: PINTU PAUL; SAMIRAN MAHAPATRA; SHANTHI APPAVOO~ 33: EP ~31: 21189591.7 ~32: 04/08/2021

2024/00407 ~ Complete ~54: COMPOSITION ~71: Soci#233;t#233; des Produits Nestl#233; S.A., Avenue Nestl#233; 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LAU, Cheng Meng~ 33: EP ~31: 21180188.1 ~32: 18/06/2021

2024/00416 ~ Complete ~54: INORGANIC BINDER SYSTEM ~71: Foseco International Limited, 1 Midland Way, Central Park, BARLBOROUGH LINKS S43 4XA, DERBYSHIRE, UNITED KINGDOM, United Kingdom ~72: HAANAPPEL, Vincent; LINKE, Thomas~ 33: EP ~31: 21184981.5 ~32: 12/07/2021

2024/00411 ~ Complete ~54:AIRPORT SIGNALLING SYSTEM WITH ULTRA-WIDEBAND COMMUNICATION CAPABILITY ~71:ADB Safegate BV, Leuvensesteenweg 585, ZAVENTEM 1930, BELGIUM, Belgium ~72: JELU, André;MENÈ, Luca;PENNINCKX, Wim~ 33:EP ~31:21186220.6 ~32:16/07/2021

2024/00415 ~ Complete ~54:DRIVER SOCKET FOR INSTALLATION OF A GROUND REINFORCEMENT BOLT ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: BARRY, John;DARLINGTON, Bradley;RATAJ, Mietek;ROACH, Warren;VALLATI, Osvaldo;WEAVER, Steven;YOUNG, Peter~ 33:EP ~31:21189965.3 ~32:05/08/2021

2024/00395 ~ Complete ~54:NOVEL ARYL ETHER SUBSTITUTED HETEROCYCLIC COMPOUND AS GLP1R AGONIST ~71:MINDRANK AI LTD., Unit 1901—1914, Bldg 2, 2 Kejiyuan Road, Baiyang Street, Qiantang District, People's Republic of China ~72: NIU, Zhangming;TANG, Bowen;ZHANG, Long~ 33:CN ~31:202111017657.5 ~32:30/08/2021;33:CN ~31:202111168512.5 ~32:29/09/2021

2024/00396 ~ Complete ~54:COMPOSITE MATERIAL FOR MECHANICAL FILTRATION AND CHEMICAL BONDING OF SUBSTANCES, BACTERIA AND VIRUSES FROM SOLUTION ~71:INSTRACTION GMBH, Carl-Friedrich-Gauß-Ring 5, Germany ~72: LUNGFIEL, Kristian;MEYER, Christian;WELTER, Martin~ 33:DE ~31:102021116595.4 ~32:28/06/2021

2024/00412 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HAINES, Richard;XIAO, Zhihuang~ 33:GB ~31:2110350.2 ~32:19/07/2021

2024/00382 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING LUMBAR DISC HERNIATION ~71:Mingqiang Yang, No.113, Team 15, Tiwen Village, Santi Village Committee, Nanxiang Town, Heng County, Nanning City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Mingqiang Yang~ 33:CN ~31:2023104146321 ~32:18/04/2023

2024/00387 ~ Complete ~54:METHOD, SYSTEM, AND TERMINAL FOR ACHIEVING A UNIFIED CODE FOR ECO-TOURISM SCENIC AREAS ~71:COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD., Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: YU, Jiaxin;YU, Yang;ZHANG, Baoqing;ZHANG, Zhi~ 33:CN ~31:202311413267.9 ~32:27/10/2023

2024/00389 ~ Complete ~54:IMMERSION NOZZLE ~71:DANIELI & C. OFFICINE MECCANICHE S.P.A., Via Nazionale, 41, 33042 BUTTRIO (UD), Italy ~72: CONTE Riccardo;NIITSUMA Hiroyasu;NISHIO Kanae~

2024/00392 ~ Complete ~54:APPARATUS FOR LOCATIONAL CONTROL OF ANIMAL VOIDING AND METHOD THEREFOR ~71:HALTER USA INC., 201 Spear Street, Suite 1100, United States of America ~72: CROWHURST, Steve;HEARN, Daniel;PIGOTT, Craig~ 33:AU ~31:2021104227 ~32:16/07/2021

2024/00406 ~ Complete ~54:COATINGS, FORMULATIONS, USES AND COATING METHODS ~71:BIOINTERACTIONS LTD, Thames Valley Science Park, Gateway Building, United Kingdom ~72: LUTHRA, Arjun Kamal Singh;LUTHRA, Arundeeep Singh;LUTHRA, Sajinder Kaur~ 33:GB ~31:2110296.7 ~32:16/07/2021;33:GB ~31:2110297.5 ~32:16/07/2021

2024/00410 ~ Complete ~54:DISPENSER AND CONTAINER FOR DISPENSING SHEET-TYPE MATERIAL ~71:HAGLEITNER, Hans Georg, Lindenallee 11, ZELL AM SEE 5700, AUSTRIA, Austria ~72: HAGLEITNER, Hans Georg~ 33:AT ~31:A 50603/2021 ~32:21/07/2021

2024/00414 ~ Complete ~54:GENERATING DIGITAL SIGNATURE SHARES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: PETTIT, Michaela~ 33:GB ~31:2111440.0 ~32:09/08/2021

2024/00399 ~ Complete ~54:HYDROGEN GENERATION ASSEMBLIES ~71:ELEMENT 1 CORP., 63050 Plateau Drive, Suite 100, Bend, Oregon, 97701, United States of America ~72: DAVID J EDLUND~ 33:US ~31:17/348,400 ~32:15/06/2021

2024/00401 ~ Complete ~54:METHODS, COMPOSITIONS, AND KITS FOR ASSAY SIGNAL AMPLIFICATION ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: ALEXANDER K TUCKER-SCHWARTZ;GEORGE SIGAL;JOHN KENTEN~ 33:US ~31:63/215,660 ~32:28/06/2021

2024/00408 ~ Complete ~54:COMPOSITION COMPRISING A CONSTITUENT, DERIVATIVE OR EXTRACT OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven;DANIEL, Michael;MCQUILLAN, Karina;POOLE, Thomas;TANG, Kai;XU, Keyi~ 33:US ~31:63/224,622 ~32:22/07/2021

2024/00409 ~ Complete ~54:SELECTIVE DECARBOXYLATION AEROSOL DELIVERY SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DAVIES, Ashley;STROPHAIR, Oriol~ 33:GB ~31:2110541.6 ~32:22/07/2021

2024/00417 ~ Complete ~54:COMPOSITIONS COMPRISING CONSTITUENTS, DERIVATIVES OR EXTRACTS OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven;CARAWAY, John;DANIEL, Michael;DAVIES, Ashley;HAWKE, Jenni;MCQUILLAN, Karina;POOLE, Thomas H.;TALUSKIE, Karen;TANG, Kai;WILBERDING, Kathryn Lynn;XU, Keyi~ 33:US ~31:63/224,570 ~32:22/07/2021

2024/00403 ~ Complete ~54:DRYING DEVICE FOR DRYING CONTAINER UNITS AND METHOD ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502-4203, United States of America ~72: ULF REINHARDT;WILKO HARMS~ 33:DE ~31:10 2021 115 612.2 ~32:16/06/2021

2024/00404 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING ITRACONAZOLE ~71:GLENMARK PHARMACEUTICAL LIMITED, B/2, Mahalaxmi Chambers, 22 Bhulabhai Desai Road, Mumbai, 400 026, India ~72: KUNAL BAGUL;NITIN DESHMUKH;RAVINDRA SATPUTE;SUSHRUT KULKARNI~ 33:IN ~31:202121026278 ~32:13/06/2021

2024/00379 ~ Provisional ~54:CONTAINER AND METHOD OF ERECTING A CONTAINER ~71:APL CARTONS (PTY) LTD, Abattoir Street, South Africa ~72: BOTES, Marthinus Ryk~

2024/00380 ~ Provisional ~54:DEMAND VALVE FOR AN OXY-FUEL WELDING AND CUTTING SYSTEM ~71:ROHLSEN, Karl Peter, 5 Stirling Road, Bryanston, South Africa ~72: ROHLSEN, Karl Peter~

2024/00393 ~ Complete ~54:A PRECISION PLANTER WITH AIR-SUCTION VIBRATING DISC FOR FIELD SEEDLING CULTIVATION ~71:West Anhui University, West of Yunlu Bridge, Yueliang Island, Yu'an District, Lu'an City, Anhui province, 237012, People's Republic of China ~72: Junhui Cheng;Shanyong Xu;Tao Han;Yourui Huang~ 33:CN ~31:202310600472.X ~32:25/05/2023

2024/00418 ~ Complete ~54:SYSTEM AND METHOD FOR CONTROLLING A MOTOR ~71:Tau Motors, Inc., 1104 Main Street, REDWOOD CITY 94063, CA, USA, United States of America ~72: DA COSTA,

Anthony;PENNINGTON, III, Walter Wesley;RUBIN, Matthew J.;SWINT, Ethan Bagget~ 33:US ~31:63/219,096
~32:07/07/2021

2024/00381 ~ Complete ~54:COMPOSITE SOIL TURNING AND MIXING DEVICE ~71:Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences, 531 Anqing Street, Dongfeng District, Jiamusi City, Heilongjiang Province, People's Republic of China ~72: CHEN Dexiang;DU Yongsheng;FENG Haoyuan;GAO Xuedong;LI Zengjie;MENG Qingying;WANG Nannan;WANG Qingsheng;YANG Xiaohe;YUE Minghao;ZHANG Chunfeng;ZHU Baoguo~

2024/00402 ~ Complete ~54:CLEANING SYSTEM FOR CLEANING CONTAINER UNITS, DRYING APPARATUS FOR DRYING, AND METHOD ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502-4203, United States of America ~72: ULF REINHARDT;WILKO HARMS~ 33:DE ~31:10 2021 115 584.3 ~32:16/06/2021

2024/00383 ~ Complete ~54:METHOD FOR RECONCILING CURRENT ACCOUNTS, COMPUTER-READABLE STORAGE MEDIUM AND ELECTRONIC DEVICE BASED ON FINANCIAL VOUCHER DATA ~71:COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD., Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: DAI, Yue;ZHANG, Kai~ 33:CN ~31:202311196052.6 ~32:15/09/2023

2024/00385 ~ Complete ~54:PROTEIN HRZ FOR REGULATING CONTENT OF IRON IN CORN AND CODING GENE AND APPLICATIONS THEREOF ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: Ding Haiping;Du Jiyuan;Li Xiaohu;Li Xinzheng;Ma Haoran;Nie Yongxin;Zhang Zhiming;Zhu Kun~ 33:CN ~31:2023103054500 ~32:27/03/2023

2024/00388 ~ Complete ~54:AZELAIC ACID ESTERS IN THE TREATMENT OR PREVENTION OF DYSLIPIDEMIA AND ASSOCIATED CONDITIONS ~71:New Frontier Labs, LLC, 900 NE Loop 410, Suite D-119, SAN ANTONIO 78209-1403, TX, USA, United States of America ~72: IZBICKA, Elzbieta;STREEPER, Robert T.- 33:US ~31:62/978,785 ~32:19/02/2020

2024/00398 ~ Complete ~54:HYDROGENATED QUINOXALINES ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo 1018535, Japan ~72: TOMOICHI SHINOHARA;TSUYOSHI NISHIYAMA~ 33:JP ~31:2021-115550 ~32:13/07/2021

2024/00405 ~ Complete ~54:METHODS OF TREATING NEUROLOGICAL DISEASES ~71:SINOMAB BIOSCIENCE LIMITED, Unites 303 And 305-307, No.15 Science Park West Avenue, Hongkong Science Park, Pak Shel Kok, New Territories, Hong Kong, 999077, People's Republic of China ~72: CHIHO CHONG;CHINGYI CHUANG;SHUI-ON LEUNG~ 33:US ~31:63/221,261 ~32:13/07/2021

2024/00413 ~ Complete ~54:GRAPHENE NANOPATELET BATTERIES, APPARATUS, AND COMPOSITIONS ~71:Directa Plus, S.p.A., c/o ComoNEXT - Science and Technology Park, Via Cavour 2, LOMAZZO 22074, ITALY, Italy;Nant Holdings IP, LLC, 9920 Jefferson Blvd., CULVER CITY 90232, CA, USA, United States of America ~72: CESAREO, Giulio Giuseppe;RIZZI, Laura Giorgia;SOON-SHIONG, Patrick~ 33:US ~31:63/226,116 ~32:27/07/2021;33:US ~31:63/228,557 ~32:02/08/2021;33:US ~31:63/274,791 ~32:02/11/2021

2024/00390 ~ Complete ~54:SYSTEM FOR SANITIZING USER SPACE OF A VEHICLE AND METHODS THEREOF ~71:MAHINDRA & MAHINDRA LIMITED, Mahindra Research Valley, Mahindra World City, Plot No:41/1, Anjur P.O., India ~72: N PRASANNA;Shankar S ANAND;Venugopal SHANKAR~ 33:IN ~31:202141028051 ~32:22/06/2021

2024/00394 ~ Complete ~54:CLAY CALCINING PLANT ~71:LOESCHE GMBH, Hansaallee 243, Germany ~72: David LINDL;Holger WULFERT;Martin REFORMAT;Ralf FINK~

2024/00391 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF A PD-1 ANTIBODY AND USE OF THE SAME ~71:MACROGENICS, INC., 9704 Medical Center Drive, United States of America ~72: Krishnan SAMPATHKUMAR;Stephen James BURKE;Yan ZHOU~ 33:US ~31:63/220,006 ~32:09/07/2021

2024/00397 ~ Complete ~54:LIQUID TREATMENT METHOD AND APPARATUS ~71:NOVOLABS LIMITED, 7/9 Noel Rodgers Place, Milson, Palmerston North 4414, New Zealand ~72: ANDREW NICHOLAS SHILTON~ 33:NZ ~31:777519 ~32:25/06/2021;33:AU ~31:2021221445 ~32:24/08/2021

2024/00384 ~ Complete ~54:AUTOMATED INQUIRY PROCUREMENT METHOD, SYSTEM AND COMPUTER STORAGE MEDIA BASED ON SAP SUPPLIER MANAGEMENT SYSTEM ~71:COSCO SHIPPING TECHNOLOGY(BEIJING) CO., LTD., Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: FAN, Jiaming;LIANG, Jun;TUO, Lei~ 33:CN ~31:202311329948.7 ~32:13/10/2023

2024/00386 ~ Complete ~54:AN INTELLIGENT MONITORING AND WARNING SYSTEM FOR COAL MINE FIRE ~71:Huating Coal Industry Group Co., Ltd., No. 109, Lianhu Road, Shangting Community, Xihua Town, Huating City, Pingliang City, Gansu Province, 744000, People's Republic of China;Shaanxi Jinchuang Ante Technology Co., Ltd., No.049, Room F2001, 20th Floor, Building 4-A, Xixian Financial Port, Energy Jinmao Zone, Fengdong New City, Xixian New District, Xi'an City, Shaanxi Province, 710000, People's Republic of China;Xi'an University of Science and Technology, No.58, Yanta Middle Road, Yanta District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: Changming Chen;Cheng Wan;Guobin Cai;Jun Guo;Lin Ma;Wentao Du;Xuejun Li;Yanfeng Chen;Yanyan Xu;Yin Liu;Yongfei Jin~

- APPLIED ON 2024/01/12 -

2024/00429 ~ Complete ~54:INTELLIGENT TOURIST GUIDE DEVICE ~71:Jiaxing Vocational and Technical College, Jiaxing Vocational and Technical College, No. 1123, Changsheng South Road, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: SANG, Shiqing~

2024/00430 ~ Complete ~54:EXTRACTION METHOD OF TOTAL FLAVONOIDS FROM CITRUS PEEL ~71:Affiliated Hospital of Inner Mongolia Medical University (Inner Mongolia Autonomous Region Cardiovascular Institute), No. 1 North Tongdao Street, Huimin District, Hohhot City, Inner Mongolia Autonomous Region, People's Republic of China ~72: WEI Ying~ 33:CN ~31:2023115996584 ~32:27/11/2023

2024/00444 ~ Complete ~54:HIGH CAPACITY ROCK BOLT ~71:FCI HOLDINGS DELAWARE, INC., 1105 North Market Street, United States of America ~72: DODDS, Anthony~ 33:AU ~31:2021104741 ~32:30/07/2021

2024/00452 ~ Complete ~54:AUTONOMOUS CROP DRYING, CONDITIONING AND STORAGE MANAGEMENT ~71:HABER TECHNOLOGIES, INC., 2316 230th St., Ames, Iowa, 50014, United States of America ~72: HARWEGER, Eric;HURD, Dillon~ 33:US ~31:17/347,941 ~32:15/06/2021;33:US ~31:17/728,889 ~32:25/04/2022

2024/00427 ~ Complete ~54:FUNGICIDE FOR SYNERGISTIC CONTROL OF LEAF DISEASES OF CHINESE MEDICINAL MATERIALS, PREPARATION METHOD, AND APPLICATION THEREOF ~71:Jilin Agricultural University, No. 2888, Xincheng Street, Nanguan District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: BAI, Jie;FENG, Shi;GAO, Jie;GENG, Qingru;LIU, Liping;LU, Baohui;WANG, Xue;YANG, Lina;ZHANG, Ranran;ZHANG, Yanjing~

2024/00434 ~ Complete ~54:INTERNET OF THINGS-BASED PREDICTION SYSTEM ~71:ZHEJIANG UNIVERSITY, NO. 866 YUZHANGTANG ROAD, People's Republic of China ~72: LU, Wencong;QIAN, Wenxin~

2024/00455 ~ Complete ~54:PEPTIDE DRUG CONJUGATES ~71:ONCOPEPTIDES AB, Luntmakargatan 46, 7th floor, 111 37, Stockholm, Sweden ~72: ANTONIO BERMEJO GOMEZ;CHARLES DEMMER;ELLEN SANTANGELO;FREDRIK LEHMANN;KATARINA FARNEGARDH;MATHIAS FARNEGARDH;PRAVEEN KUMAR CHINTHAKINDI~ 33:GB ~31:2108818.2 ~32:18/06/2021

2024/00458 ~ Complete ~54:MULTISPECIFIC BINDING AGENTS AGAINST CD40 AND CD137 IN COMBINATION THERAPY FOR CANCER ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany;GENMAB A/S, Carl Jacobsens Vej 30, 2500, Valby, Denmark ~72: ALEXANDER MUIK;ARAN FRANK LABRIJN;BART-JAN DE KREUK;BRANDON HIGGS;CLAUDIA PAULMANN;ESTHER CORNELIA WILHELMINA BREIJ;FRIEDERIKE GIESEKE;GAURAV BAJAJ;HOMER III ADAMS;IVAN KUZMANOV;JANINE SCHUURMAN;JORDAN BLUM;JOST NEIJSSSEN;KARSTEN BECKMANN;LARS GUELEN;MARK FERESHTEH;MICHELLE NIEWOOD;PATRICIA GARRIDO CASTRO;RICHARD HIBBERT;SINA FELLERMEIER-KOPF;UGUR SAHIN;VANESSA SPIRES;YALI FU~ 33:US ~31:63/221,340 ~32:13/07/2021;33:US ~31:63/364,594 ~32:12/05/2022

2024/00460 ~ Complete ~54:FATIGUE EVALUATION IN FIBRE SAMPLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: KENNETH STUART LEE~ 33:EP ~31:21186193.5 ~32:16/07/2021

2024/00457 ~ Complete ~54:MICROORGANISM HAVING WEAKENED ACTIVITY OF LACI FAMILY DNA-BINDING TRANSCRIPTIONAL REGULATOR, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, Dongho-ro, Jung-gu, Seoul, 04560, Republic of Korea ~72: AH REUM LEE;GYUHYEON SONG;HYUN-JU BONG;JIN NAM LEE;NARA KWON~ 33:KR ~31:10-2021-0098072 ~32:26/07/2021

2024/00461 ~ Complete ~54:ANTI-HER3 ANTIBODY, ANTIBODY DRUG CONJUGATE CONTAINING THE SAME, AND USE THEREOF ~71:Beijing Sinotau Bio-Pharmaceuticals Technology Co., Ltd., 1st-2nd Floor, Building 1, No.5 Tongji Middle Road, Beijing Economic and Technological Development Area, Daxing District, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: LI, Zhe;ZHONG, Xiaoyan;ZHU, Jie~ 33:IB ~31:2021/099998 ~32:15/06/2021

2024/00467 ~ Complete ~54:A COMPUTER IMPLEMENTED METHOD AND SYSTEM ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: RAND, Ricky Charles~ 33:GB ~31:2111189.3 ~32:03/08/2021

2024/00420 ~ Provisional ~54:MONL FRAMES SOLID WALL BUILDING SYSTEM ~71:ABDUR REHMAN MAHOMED, 233 ROSE AVENUE, South Africa ~72: MONL FRAMES STEEL PTY LTD~

2024/00426 ~ Complete ~54:WATER SAVING VALVE ~71:SCHOLTZ, Johannes Jacobus Lodewicus, 239 Tulip Rd, Mrandi AH, South Africa ~72: SCHOLTZ, Johannes Jacobus Lodewicus~

2024/00432 ~ Complete ~54:INTEGRATED AI MANAGEMENT SYSTEM FOR EDUCATION AND TRAINING BASED ON CLASS HOUR ALLOCATION ~71:Weishan Tongzai Electronic Information Technology Co., Ltd, Room 206, Huancheng Family Planning Office, Weihuan Road, Huancheng Town, Weishan County, Jining, Shandong, People's Republic of China ~72: Bini LYU~ 33:CN ~31:2023117950547 ~32:25/12/2023

2024/00438 ~ Complete ~54:A NEW CSIPS-STEEL COMBINED STRUCTURE VIBRATION ISOLATION DEVICE ~71:Zhengzhou University of Aeronautics, No. 2 Daxue Middle Road, Zhengzhou, Henan Province, 450015,

People's Republic of China ~72: Chen Zhuo;Li Guangfeng;Li Guanghui;Li Lei;Lou Haoyun;Shen Chen;Su Xiaozhou;Tian Limin;Wang Xuan;Zhu Zhibing~

2024/00441 ~ Complete ~54:EDUCATIONAL APPARATUSES AND METHODS OF TEACHING
~71:LUTCHMAN, Castell Shoben, 28 Boyd Road, Prestbury, Pietermartizburg, Durban 3201, SOUTH AFRICA, South Africa ~72: LUTCHMAN, Castell Shoben~ 33:ZA ~31:2022/11190 ~32:13/10/2022

2024/00445 ~ Complete ~54:MEANS AND METHODS FOR DETOXIFYING OCHRATOXIN A ~71:DSM AUSTRIA GMBH, Erber Campus 1, Austria ~72: BENSON, Sven;GONAUS, Christoph;LORENZ, Lenz;MOLL, Wulf-Dieter;PRASAD, Shreenath;SCHATZMAYR, Gerd;SCHELLENBERGER, Philipp~ 33:EP ~31:21193553.1 ~32:27/08/2021

2024/00447 ~ Complete ~54:SYSTEM AND METHOD FOR CONNECTING A FIRST SUBSCRIBER TO A SECOND SUBSCRIBER VIA A MOBILE NETWORK ~71:CHANNEL TECHNOLOGIES FZE, Jebel Ali Free Zone, Office number FZJOA1813, United Arab Emirates ~72: CHATZISTAMATIOU, Antonios~ 33:ZA ~31:2022/06336 ~32:08/06/2022

2024/00449 ~ Complete ~54:A PROCESS FOR PREPARATION OF PYROXASULFONE ~71:UPL LIMITED, UPL House, 610 B/2, Bandra Village, Off Western Express Highway, India ~72: ANPAT, Shrikant Muqutrao;BORSE, Manish Madhukar;GANDHALE, Sopan Nagnath;GULVE, Sandip Sahebrao;KINI, Prashant Vasant;SENGUPTA, Debasish~ 33:IN ~31:202121036558 ~32:12/08/2021

2024/00453 ~ Complete ~54:METHOD FOR PRODUCING MANGANESE-BASED ALLOY AND APPARATUS FOR PRODUCING THE SAME ~71:NIPPON DENKO CO., LTD., Yaesu 1-chome, Chuo-ku, Tokyo, 1038282, Japan ~72: NORIAKI YAMADA;SHINGO KATAYAMA~

2024/00456 ~ Complete ~54:METHODS AND SYSTEMS FOR DETERMINING THE AUTHENTICITY OF A COMPONENT ~71:LEXMARK INTERNATIONAL, INC., IP Law / Bldg 004-1, 740 West New Circle Road, Lexington, Kentucky, 40550, United States of America ~72: JENNIFER TOPMILLER WILLIAMS;NATHAN WAYNE FOLEY;TIMOTHY JOHN RADEMACHER;ZACHARY NATHAN FISTER~ 33:US ~31:17/371,211 ~32:09/07/2021

2024/00468 ~ Complete ~54:A SYSTEM FOR GENERATING PHOSPHINE GAS ~71:UPL Limited, UPL House, CTS No 610 B/2, Teacher's Colony, Bandra East, MUMBAI 400 051, MAHARASHTRA, INDIA, India ~72: P ASHER, Pushpaksen;SHROFF, Rajnikant~ 33:IN ~31:202121031814 ~32:15/07/2021

2024/00421 ~ Provisional ~54:A SEAT ASSEMBLY AND A CHAIR COMPRISING THE SEAT ASSEMBLY ~71:BEYER, Alden Gerald, 10 Garland Street, JOHANNESBURG 2091, Gauteng Province, SOUTH AFRICA, South Africa ~72: BEYER, Alden Gerald~

2024/00424 ~ Complete ~54:INDOOR INTELLIGENT PATROL FIRE-FIGHTING ROBOT ~71:SHANGHAI FIRE RESEARCH INSTITUTE OF MEM, 601 Zhongshan South Second Road, Xuhui District, Shanghai, People's Republic of China;Shanghai Jinshan District Fire Rescue Brigade, No.8868 Shanghai-Hangzhou Highway, Jinshan Industrial Zone, Jinshan District, Shanghai, People's Republic of China ~72: GAO Pengcheng;SHI Wei;ZHOU Zhaowei~

2024/00442 ~ Complete ~54:METHODS OF INCREASING PLANT PRODUCTIVITY AND TOLERANCE TO WATER & NUTRIENT DEFICIENCY ~71:PERFORMANCE PLANTS INC., 1287 Gardiners Road, Canada ~72: HUANG, Yafan;JOSLIN, Kate;TANG, Xurong;TIAN, Gang;WAN, Jiangxin;YANG, Shujun~ 33:US ~31:63/222,193 ~32:15/07/2021

2024/00448 ~ Complete ~54:FAULT DETECTION FOR SECONDARY STEERING SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street - AH9510, United States of America ~72: CARPENTER, Richard A.;MATE, Edward W.;O'NEILL, William N.;PETERSON, Jeremy T.~ 33:US ~31:17/376,982 ~32:15/07/2021

2024/00454 ~ Complete ~54:ADVANTAGEOUS ANTI-HCV COMBINATION THERAPY ~71:ATEA PHARMACEUTICALS, INC., 225 Franklin Street, Suite 2100, Boston, Massachusetts, 02110, United States of America ~72: ADEL MOUSSA;JEAN-PIERRE SOMMADOSSI;KEITH M PIETROPAOLO;XIAO-JIAN ZHOU~ 33:US ~31:63/212,047 ~32:17/06/2021

2024/00465 ~ Complete ~54:COMPOSITIONS COMPRISING CONSTITUENTS, DERIVATIVES OR EXTRACTS OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven;CARAWAY, John;DANIEL, Michael;DAVIES, Ashley;HAWKE, Jenni;MCQUILLAN, Karina;POOLE, Thomas;TALUSKIE, Karen;TANG, Kai;WILBERDING, Kathryn Lynn;XU, Keyi~ 33:US ~31:63/224,567 ~32:22/07/2021

2024/00428 ~ Complete ~54:METHOD FOR ANALYZING RCGSTF11 GENE FUNCTION BASED ON GLYCOMETABOLOMICS ~71:Inner Mongolia Minzu University, No. 536 West Huolinhe Street, Horqin District, Tongliao City, Inner Mongolia Autonomous Region, 028000, People's Republic of China ~72: Dan WANG;Guorui LI~

2024/00437 ~ Complete ~54:HIGH-EFFICIENCY DIALYSIS DEVICE FOR BLOOD PURIFICATION ~71:Hejiang County People's Hospital, No.1 Aoli Street, Fuyang Street, Hejiang County, Luzhou City, Sichuan Province, 646200, People's Republic of China ~72: Si Chunyan~

2024/00439 ~ Complete ~54:METHODS AND MATERIALS FOR ASSESSING AND TREATING CANCER ~71:BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, 210 W. 7th Street, Austin, Texas, 78701, United States of America;THE JOHNS HOPKINS UNIVERSITY, 3400 North Charles Street, Baltimore, Maryland, 21218, United States of America;THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, 35 State Street, Albany, New York, 12207-2826, United States of America ~72: ANNE MARIE LENNON;ARTHUR GROLLMAN;BERT VOGELSTEIN;CHRISTOPHER DOUVILLE;CRISTIAN TOMASETTI;GEORGES JABBOURE NETTO;JOSHUA COHEN;KATHLEEN DICKMAN;KENNETH W KINZLER;NICKOLAS PAPADOPOULOS;RACHEL KARCHIN;SAMIR HANASH;SIMEON SPRINGER;YUXUAN WANG~ 33:US ~31:62/542,144 ~32:07/08/2017;33:US ~31:62/542,164 ~32:07/08/2017;33:US ~31:62/542,167 ~32:07/08/2017;33:US ~31:62/594,245 ~32:04/12/2017;33:US ~31:62/618,232 ~32:17/01/2018;33:US ~31:62/628,759 ~32:09/02/2018;33:US ~31:62/629,870 ~32:13/02/2018

2024/00446 ~ Complete ~54:ADAPTER CONTROL APPARATUS AND METHOD, ADAPTER, AND CHARGING SYSTEM ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, Chaoyang District, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110839623.8 ~32:23/07/2021

2024/00463 ~ Complete ~54:SYSTEMS AND METHODS FOR ASSOCIATING COMPOUNDS WITH PROPERTIES USING CLIQUE ANALYSIS OF CELL-BASED DATA ~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, Suite 800E, CAMBRIDGE 02142, MA, USA, United States of America ~72: ESER, Umut;PLUGIS, Nicholas McCartney;WOLF, Fabian Alexander~ 33:US ~31:63/210,736 ~32:15/06/2021

2024/00462 ~ Complete ~54:CAPILLARY BLOOD COLLECTION DEVICE ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: BOKKA SRINIVASA RAO, Kishore K.;MARCHIARULLO, Daniel J.;TORRIS, Anthony V.;WENTZELL, Scott;YAKHNICH, Vlad~ 33:US ~31:63/216,239 ~32:29/06/2021

2024/00469 ~ Complete ~54:PEPTIDES AND METHODS FOR THE TREATMENT OF NEUROMYELITIS OPTICA ~71:IMCYSE SA, Avenue Pré-Aily 14, Belgium ~72: ERAK, Milos~ 33:EP ~31:21182499.0 ~32:29/06/2021

2024/00552 ~ Provisional ~54:INNOVATION, CONSOLIDATED AND AUTOMATED ROOF BOLT PRODUCTION LINE ~71:REUNKO STEEL SUPPLIERS (PTY) LTD, 35 Radio Road Alberton North ALBERTON, South Africa ~72: REUBEN NKOSI~

2024/00459 ~ Complete ~54:A METHOD AND SYSTEM FOR LOGGING DATA FOR A MINERAL SAMPLE ~71:TECHNOLOGICAL RESOURCES PTY. LIMITED, Level 43, 120 Collins Street, Melbourne, Victoria 3000, Australia ~72: CHRISTOPHER MICHAEL GONZALEZ;DANIEL JOHN WEDGE;EUN-JUNG HOLDEN CHANG;LEONORA HACKMAN;THOMAS GREEN;TOM ANTHONY HORROCKS~ 33:AU ~31:2021901798 ~32:16/06/2021;33:AU ~31:2022900471 ~32:28/02/2022

2024/00423 ~ Complete ~54:A DEVICE FOR PREPARING MIXED FATTY ACID METHYL ESTER ~71:Yunnan Normal University, No.768, Juxian Street, Wujiaoying, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: Bin YANG;Changmei WANG;Fang YIN;Hong YANG;Jing LIU;Ruihan SUN;Run WANG;Wudi ZHANG;Zhishan WANG~

2024/00436 ~ Complete ~54:MULTI-FUNCTIONAL PAPER-BASED MICROFLUIDIC CHIP BASED ON BULK ACOUSTIC WAVE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Xi'an Jiaotong University, No.28 Xianning West Road, Beilin District, Xi'an City, Shaanxi Province, 710048, People's Republic of China ~72: Hao Nanjing;Zhao Xiong~ 33:CN ~31:202310179758.5 ~32:28/02/2023

2024/00440 ~ Complete ~54:NON-REMOVAL CORRECTION DEVICE, NON-REMOVAL CORRECTION SYSTEM AND CORRECTION METHOD ~71:CHINA RAILWAY CITY DEVELOPMENT AND INVESTMENT GROUP CO., LTD., China Railway Excellence Center, No. 377, Ningbo Road East Section, Tianfu New District, Chengdu, Sichuan, 610218, People's Republic of China;CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD., Yard 9, Guangqumenwai Street, Chaoyang District, Beijing, 100022, People's Republic of China;CHINA RAILWAY TUNNEL GROUP CO., LTD., No. 2, West Side of Gongye 4th Road, Mingzhuwan Starting Area, Nansha District, Guangzhou, Guangdong, 511458, People's Republic of China;CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., 86, Zhonghuan West Road, (Airport Economic Zone) Pilot Free Trade Zone, Tianjin, 300308, People's Republic of China;SOUTHWEST JIAOTONG UNIVERSITY, No. 999, Xi'an Road, Pidu District, Chengdu, Sichuan, 611756, People's Republic of China ~72: CHANGJUN XIE;CHAO CHEN;CHAO SU;FENGRONG CHEN;GUOJUN DIAO;GUOQIANG WANG;HE YANG;HONG ZHANG;HUAWEI LI;HUI JIANG;JIANPING FENG;JIMENG FENG;JUNPAN CHEN;LING QIN;MINGXU YANG;RUI HE;SHIHANG XU;TIEQIANG XING;WENLONG ZHENG;XIAO CHEN;YAJUN ZAHNG;YONG ZENG;YU CHEN;YUQIANG ZHANG;YUQUAN ZHAN;ZENGYIN XIA;ZHIYONG LI~ 33:CN ~31:202310276218.9 ~32:20/03/2023

2024/00451 ~ Complete ~54:AN EMERGENCY NOTIFICATION DEVICE ~71:ROESTOFF, Maryne, 11 NICKLAUS STREET, SILVERLAKES, PRETORIA 0081, SOUTH AFRICA, South Africa ~72: DU PLESSIS, Barend, Jacobus;LOUW, Andre;ROESTOFF, Maryne~ 33:ZA ~31:2021/04838 ~32:12/07/2021;33:ZA ~31:2021/08591 ~32:04/11/2021

2024/00433 ~ Complete ~54:SPINNING METHOD FOR CHANGING YARN STRUCTURE ~71:Donghua University, 2999 Renmin North Road, Songjiang District, Shanghai, 201620, People's Republic of China ~72: QIN, Xiaohong;TENG, Zhilin;ZHANG, Yue~ 33:CN ~31:2023112110571 ~32:19/09/2023

2024/00450 ~ Complete ~54:AN INCENTIVE SYSTEM ~71:NEEDHAM, Justin, Charles, Stockton, 20 TALTON ROAD, FOREST TOWN, JOHANNESBURG, 2193, SOUTH AFRICA, South Africa ~72: NEEDHAM, Justin,

Charles, Stockton~ 33:ZA ~31:2021/04897 ~32:13/07/2021;33:ZA ~31:2021/10176 ~32:09/12/2021;33:ZA
~31:2022/00296 ~32:06/01/2022

2024/00466 ~ Complete ~54:DELIVERY SYSTEM COMPRISING AN AEROSOL GENERATING DEVICE AND
AN AEROSOLISABLE MATERIAL ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON
WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DAVIES, Ashley;STROPHAIR, Oriol~ 33:GB
~31:2110543.2 ~32:22/07/2021

2024/00422 ~ Provisional ~54:TRACK PAD WITH FORCE SENSING AND HAPTIC FEATURES ~71:AZOTEQ
HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick
Johannes;MELLET, Dieter Sydney-Charles~

2024/00425 ~ Complete ~54:AN EFFICIENT EXTRACTION AND SEPARATION DEVICE FOR ANTIOXIDANT
GRASS MUSHROOM POLYSACCHARIDES AND ITS PROCESS ~71:Guangzhou College of Technology and
Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of
China ~72: Ma Yingzi;Xie Yuxuan;Yang Chunmin~

2024/00435 ~ Complete ~54:CULTIVATION DEVICE FOR THREE-DIMENSIONAL LANDSCAPE DESIGN AND
USING METHOD THEREOF ~71:Guilin University of Technology, No.12 Jiangan Road, Qixing District, Guilin
City, Guangxi Zhuang Autonomous Region, 541004, People's Republic of China ~72: Zhou Hanhan~

2024/00419 ~ Provisional ~54:VIBRATING CAR KEY ~71:Kagiso Mashigo, Mamelodi No.10212 Aphane Nhlapo
& Ben Masilela, South Africa ~72: kagiso Mashigo~

2024/00431 ~ Complete ~54:FILM COLLECTING BIN AND SPRING-TOOTH TYPE RESIDUAL FILM PICKUP
RECYCLING MACHINE ~71:Northwest A & F University, Northwest A & F University, No.3 Taicheng
Road, Yangling, Shaanxi, 712199, People's Republic of China ~72: Aliaksandr Ivanistau;FENG Baili;FU
Zuoli;HUANG Yuxiang;LI Jiang;LIANG Jibao;WANG Honglu;XU Liang;YANG Qinghua~

2024/00443 ~ Complete ~54:SUBSTITUTED PYRROLO[2,3-D]PYRIMIDINES, THEIR PREPARATION AND
THEIR THERAPEUTIC APPLICATION ~71:SANOFI, 46 Avenue de la Grande, France ~72: BERNARDELLI,
Patrick;BIANCIOOTTO, Marc;DEPRETS, Stéphanie;DUBOIS, Laurent;MACOR, John;PETIT,
Frédéric;TERRIER, Corinne~ 33:EP ~31:21315095.6 ~32:15/06/2021;33:EP ~31:22315117.6
~32:02/06/2022

2024/00464 ~ Complete ~54:AQUEOUS FUNGICIDE MIXTURE FORMULATION ~71:Adama Makhteshim Ltd.,
P. O. BOX 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: ADHIMOOLAM, Arunagirinathan
Manickam;VENKATESWARARAO, Yadagan~ 33:IN ~31:202111032249 ~32:17/07/2021

- APPLIED ON 2024/01/15 -

2024/00471 ~ Provisional ~54:A FEATURE THAT ENABLES WHEELS & HANDLE TO BE INSTALLED ON
SHOPPING BASKET ~71:Tshimangadzo Tshikomba, 95 Rahima Moosa Street, South Africa ~72: Tshimangadzo
Tshikomba~

2024/00481 ~ Complete ~54:PREPARATION METHOD OF ELECTROCHEMICAL SENSOR FOR DETECTING
XANTHINE AND HYPOXANTHINE BASED ON NANOCOMPOSITES ~71:SHANGHAI UNIVERSITY OF
MEDICINE & HEALTH SCIENCES, Shanghai University of Medicine and Health Sciences 279 Zhouzhu
Road, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: FENG Jing;LI Jia;LI Tingting;MIAO
Meng;PAN Hongzhi;RUI Chuang;ZHAO Yuxia~

2024/00495 ~ Complete ~54:PROCESS AND PLANT FOR RECYCLING ZINC OXIDE RESIDUES ~71:METSO OUTOTEC METALS OY, Rauhalanpuisto 9, Espoo, 02230, Finland ~72: EBERHARD SCHMIDT;JÖRG HAMMERSCHMIDT;JOCHEN GÜNTNER;MACIEJ WROBEL;SEBASTIAN HIRSCH~

2024/00484 ~ Complete ~54:METHOD FOR DISSOLVING SINGLE-PARTICLE TITANITE AND METHOD FOR DETERMINING AGE OF SINGLE-PARTICLE TITANITE BY (URANIUM-THORIUM)/HELIUM DATING ~71:Institute Of Geology, Chinese Academy Of Geological Sciences, No. 26, Baiwanzhuang Street, Xicheng District, Beijing, 100037, People's Republic of China ~72: CHEN, Wen;DU, Qiuyi;GUO, Ziman;SHEN, Ze;SUN, Jingbo;TIAN, Yuntao;ZHANG, Bin~ 33:CN ~31:2023114516683 ~32:02/11/2023

2024/00479 ~ Complete ~54:CULTIVATION DEVICE CAPABLE OF ACQUIRING COMPLETE ROOTS OF CROP IN SITU ~71:West Yunnan University of Applied Sciences, No. 1 Haiyue Street, Haidong New Town, Dali City, Dali Bai Autonomous Prefecture, Yunnan Province, People's Republic of China ~72: Haixiang Zhang~

2024/00497 ~ Complete ~54:EDIBLE NANOCOATINGS AND METHODS OF USING THEREOF ~71:THE TEXAS A&M UNIVERSITY SYSTEM, 3369 TAMU, College Station, Texas, 77843, United States of America ~72: LUIS CISNEROS-ZEVALLOS;MUSTAFA AKBULUT~ 33:US ~31:63/211,198 ~32:16/06/2021

2024/00507 ~ Complete ~54:MONITORING DEVICE FOR DATABASE SERVERS ~71:SHANGHAI LINGANG NEW DISTRICT CROSS BORDER DATA TECHNOLOGY CO.,LTD., Building C, 888 Huanhu West Second Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone Pudong New Area, People's Republic of China ~72: He Weiwei;Li Jing;Zhao Chunqi~

2024/00489 ~ Complete ~54:ELECTROLYSIS SYSTEM ~71:CERES INTELLECTUAL PROPERTY COMPANY LIMITED, Viking House, Foundry Lane, Horsham West, United Kingdom ~72: RYLEY, Joshua;VIANNA, Joao Claudio Buzatti~ 33:GB ~31:2111411.1 ~32:06/08/2021

2024/00505 ~ Complete ~54:IRRADIATION TARGETS FOR THE PRODUCTION OF RADIOISOTOPES AND DEBUNDLING TOOL FOR DISASSEMBLY THEREOF ~71:BWXT ISOTOPE TECHNOLOGY GROUP, INC., 800 Main Street, Lynchburg, Virginia, 24504, United States of America ~72: EVAN THOMAS LOGUE~ 33:US ~31:63/212,177 ~32:18/06/2021;33:US ~31:63/344,391 ~32:20/05/2022

2024/00491 ~ Complete ~54:SOLUBLE COFFEE POWDER ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CARTIER, Jeremie;DUPAS, Julien;FU, Xiaoping;KESSLER, Ulrich;LIMBACH, Hans Jörg Werner~ 33:EP ~31:21180497.6 ~32:21/06/2021

2024/00474 ~ Complete ~54:IN-SITU REMEDIATION SYSTEM FOR HEAVY METAL CONTAMINATED RIVER AND LAKE SEDIMENTS ~71:Changjiang River Scientific Research Institute, Changjiang Water Resources Commission, No. 23 Huangpu Street, Wuhan City, Hubei Province, 430012, People's Republic of China ~72: HU, Bo;LI, Bo;LI, Cong'an;LIU, Jun;PAN, Jiajun;QIU, Jinwei;SUN, Hui;TONG, Jun;WAN, Jianhong~

2024/00483 ~ Complete ~54:DEBRIS BRICK AND PREPARATION METHOD THEREOF ~71:Chinese Research Academy of Environmental Sciences, No.8 Dayangfang, Anwai Beiyuan, Chaoyang District, Beijing, 100012, People's Republic of China ~72: LI Zixiu;LIU Yanping~

2024/00492 ~ Complete ~54:SOLID PERSONAL CARE COMPOSITIONS INCORPORATING NATURAL BENEFIT AGENTS SUCH AS FLAXSEED OIL AND METHODS FOR THE SAME ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: ESPINOSA, Reina;GONZALEZ, Arisai;LOPEZ, Luis Miguel;MORALES, Sara;OLVERA, David;RAMIREZ MENDEZ, Antonia de la Cruz;WU, Qiang~ 33:US ~31:63/225,202 ~32:23/07/2021

2024/00470 ~ Provisional ~54:VAPOR-DIRECTING CULINARY DEVICE ~71:CUPIDO, SHAUN, 15 DOREEN ROAD, South Africa ~72: CUPIDO, SHAUN~

2024/00475 ~ Complete ~54:ZERO-DISCHARGE AND HIGH-EFFICIENCY FERMENTATION BED FOR COMBINED RECYCLING OF RAW PIG MANURE AND USING METHOD THEREOF ~71:Jishou University, No. 120, Renmin South Road, Jishou City, Hunan, 416000, People's Republic of China ~72: CAO, Xiao;LEI, Chenxi;LI, Fangmao;LI, Linbei;LI, Shi;LIU, Sisi;LIU, Zhixiao~

2024/00485 ~ Complete ~54:A PREFABRICATED COMPREHENSIVE ANTI-SEISMIC SUPPORT AND HANGER FOR RAIL TRANSIT ENGINEERING AND MOUNTING METHOD THEREOF ~71:CHINA RAILWAY SIXTH GROUP CO., LTD., No.2 Wanshou Road, Haidian District, Beijing 100036, People's Republic of China;CHINA RAILWAY SIXTH GROUP ELECTRIFYING AND POWER ENGINEERING CO., LTD., No.55, Area 2, No.2 Wanshou Road, Haidian District, Beijing 100089, People's Republic of China ~72: CHAO GAO;FEIDA CHEN;JIAN LI;LIANG SU;MINGYUAN LI;SHENGLONG HOU;SHUANG CHEN;SHUNFA LIANG;YUAN YAO;ZHIAN ZHANG;ZHIQIANG XIE~ 33:CN ~31:202310257206.1 ~32:08/03/2023

2024/00494 ~ Complete ~54:MODIFIED TNF AS A CAPTURE LIGAND ~71:Immunicom, Inc., 6048 Cornerstone Court West, Suite D, SAN DIEGO 92121, CA, USA, United States of America ~72: JOSEPHS, Steven F.;MARLEAU, Annette;MATHO, Michael~ 33:US ~31:63/211,709 ~32:17/06/2021

2024/00502 ~ Complete ~54:HUMAN WASTE COLLECTION AND SEPARATION SYSTEM ~71:GEORGIA TECH RESEARCH CORPORATION, 926 Dalney Street NW, Atlanta, Georgia, 30318, United States of America ~72: GEORG SAMPL;HARALD GRUENDL;JANINE GLATTHARD;MATHIAS SCHLAURI;OSCAR ESTRADA LEÓN;ROLAND LEHMANN;SHANNON YEE~ 33:US ~31:63/338,998 ~32:06/05/2022

2024/00480 ~ Complete ~54:PORTABLE SEISMIC WAVE EXCITATING DEVICE ~71:Hohai University, No. 8 Focheng West Road, Jiangning District, Nanjing City, Jiangsu Province, 211100, People's Republic of China ~72: CHEN, Song;GAO, Likun;JIANG, Fuyu;QIAO, Peixuan;ZHAO, Xun~

2024/00506 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:Beijing Dajia Internet Information Technology Co., Ltd, Room 101, 8th Floor, Building 12, No. 16, Xierqi West Road, Haidian District, People's Republic of China ~72: CHEN, Wei;CHEN, Yi-Wen;JHU, Hong-Jheng;KUO, Che-Wei;WANG, Xianglin;XIU, Xiaoyu;YAN, Ning;YU, Bing~ 33:US ~31:63/220,380 ~32:09/07/2021

2024/00521 ~ Complete ~54:A METHOD FOR MARKING IDENTITY CODES ON A CARTRIDGE ~71:PROPIX TECHNOLOGIES PRIVATE LIMITED, 14, House no. 1720/1721, Dhadge Industrial Estate, Nanded Phata, Taluka-Haveli, India ~72: ASHWIN, Kapadnis~ 33:IN ~31:202121031752 ~32:14/07/2021

2024/00500 ~ Complete ~54:COMPOSITION COMPRISING POTASSIUM BICARBONATE AND USE THEREOF FOR TREATING AND/OR PROTECTING CROPS ~71:SCEA DU CHATEAU MONTROSE, Château Montrose, 33180, Saint-Estephe, France ~72: VINCENT DECUP~ 33:FR ~31:FR2106708 ~32:23/06/2021

2024/00482 ~ Complete ~54:HEALTH-CARE SPARKLING BEVERAGE CONTAINING POLYGONUM DIVARICATUM L. AND PREPARATION METHOD THEREOF ~71:Baotou Inspection And Test Service Center, No.6, Wula Street, Jiuyuan District, Baotou City, Inner Mongolia Autonomous Region, People's Republic of China;INNER MONGOLIA UNIVERSITY OF SCIENCE AND TECHNOLOGY BAOTOU MEDICAL COLLEGE, No.31 Jianshe Road, Donghe District, Baotou City, Inner Mongolia Autonomous Region, People's Republic of China ~72: DUAN Chaohui;WEI Yingxuan~

2024/00496 ~ Complete ~54:COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ALISON CUMMINS;DAVID RICHARD ARTHUR

MEALING;MATTHEW RHYS THOMAS;STEPHEN NORMAN BATCHELOR~ 33:EP ~31:21189816.8
~32:05/08/2021

2024/00501 ~ Complete ~54:URINE AND WASTEWATER TREATMENT SYSTEM ~71:CRANFIELD
UNIVERSITY, College Road, Cranfield, Bedfordshire, MK43 0AL, United Kingdom;GEORGIA TECH RESEARCH
CORPORATION, 926 Dalney Street NW, Atlanta, Georgia, 30318, United States of America ~72: CHRIS
DAVEY;EWAN MCADAM;KRISTIN RAVNDAL;KRISTINE SHERMAN;KYLE AZEVEDO;RYAN
GAYLO;SHANNON YEE;TRAVIS TURNER~ 33:US ~31:63/222,738 ~32:16/07/2021

2024/00488 ~ Complete ~54:DETECTION SYSTEM AND METHOD, COMPUTER DEVICE, AND COMPUTER
READABLE STORAGE MEDIUM ~71:REEMOON TECHNOLOGY CO., LTD., 9, Shuanglong Avenue, High Tech
Zone, Xinfeng County Ganzhou, People's Republic of China ~72: ZHU, Er;ZHU, Yi~ 33:CN
~31:202110870046.9 ~32:30/07/2021

2024/00499 ~ Complete ~54:MICRO SUPER CRITICAL WATER OXIDATION SOLIDS TREATMENT SYSTEM
~71:GEORGIA TECH RESEARCH CORPORATION, 926 Dalney Street NW, Atlanta, Georgia, 30318, United
States of America ~72: ADRIAN GEMPERLI;ANDREAS STAUB;CHRISTIAN FORRER;CHRISTIAN
SEILER;CHRISTOPH FARRÉR;DANIEL RÜDISÜLI;DAVID HASLER;FLORIAN
FISCHER;JANINE GLATTHARD;JOSEF FISCHER;MARCO CADUFF;ROLAND LEHMANN;SHANNON
YEE;TOBIAS BLEIKER;VALDINEI FRASSON~ 33:US ~31:63/222,736 ~32:16/07/2021

2024/00503 ~ Complete ~54:VOLUME REDUCTION SOLIDS TREATMENT SYSTEM ~71:DUKE UNIVERSITY,
2812 Erwin Road, Suite 406, Durham, California, 27708, United States of America;GEORGIA TECH RESEARCH
CORPORATION, 926 Dalney Street NW, Atlanta, Georgia, 30318, United States of America ~72: ALEXIS
NOEL;BRIAN HAWKINS;DANTE III DIMENICHI;GRAHAM MILLER;JONATHAN HOLMES;KRISTINE
SHERMAN;KYLE AZEVEDO;LENA TROTOCHAUD;RYAN GAYLO;SHANNON YEE;STEPHANIE
RICHTER;TRAVIS TURNER;WILEY D HOLCOMBE~ 33:US ~31:63/222,740 ~32:16/07/2021

2024/00486 ~ Complete ~54:HIGH-PRESSURE EXPANDED FEED ADDITIVE FOR RUMINANTS AND
PREPARATION METHOD THEREFOR ~71:WUWEI HENGDA ANIMAL HUSBANDRY SERVICE CO., LTD,
Huaian Development Zone, Liangzhou District, Wuwei City, People's Republic of China ~72: FAN, Jianhua;ZHAO,
Wanxin~

2024/00508 ~ Complete ~54:MONITORING DEVICE FOR DATA SECURITY ~71:SHANGHAI LINGANG NEW
DISTRICT CROSS BORDER DATA TECHNOLOGY CO.,LTD., Building C, 888 Huanhu West Second Road,
Lingang New Area, China (Shanghai) Pilot Free Trade Zone Pudong New Area, People's Republic of China ~72:
He Weiwei;Li Jing;Zhao Chunqi~

2024/00472 ~ Complete ~54:METHOD FOR SYNTHESIZING EFFICIENT SCALE INHIBITOR OF AA-TBAM-
AMPS COPOLYMER ~71:Kunming University of Science and Technology, No. 500, Jingming South Road,
Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: NI,
Pengfei;SIREN, Cilang;WANG, Jianhong;YANG, Fujie~

2024/00490 ~ Complete ~54:1-(4-[[4-(DIMETHYLAMINO)PIPERIDIN-1-YL]CARBONYL]PHENYL)-3-[4-(4,6-
DIMORPHOLIN-4-YL-1,3,5-TRIAZIN-2-YL)PHENYL]UREA (GEDATOLISIB) AND ITS COMBINATIONS FOR
USE IN THE TREATMENT OF CANCER ~71:CELCUITY INC., 16305 36th Ave N., Ste 100, United States of
America ~72: LAING, Lance, Gavin;SULLIVAN, Brian, Francis~ 33:US ~31:63/225,707 ~32:26/07/2021;33:US
~31:63/285,327 ~32:02/12/2021

2024/00478 ~ Complete ~54:SOLUBLE ACTIVE HIGH CALCIUM PREPARED FROM SNAIL SHELLS
~71:CHEN, Heping, Room 923, Phase I Building, Beichuang Science and Technology Park, No. 401 Xingyuan
North Road, Liangxi District, Wuxi City, Jiangsu, 214000, People's Republic of China ~72: CHEN, Heping~

2024/00477 ~ Complete ~54:A SELENIUM-ENRICHED CONCENTRATE SUPPLEMENT FOR MUTTON SHEEP
DURING FATTENING PERIOD AND ITS PREPARATION AND USE METHOD ~71:INNER MONGOLIA MINZU
UNIVERSITY, No.536 West Huolinhe Street, Horqin District, Tongliao City, Inner Mongolia Autonomous Region,
028000, People's Republic of China ~72: Manlin WEI~

2024/00476 ~ Complete ~54:COLD PRESSING CASTOR BEAN MEAL BACTERIA AGENT FERMENTED
ORGANIC FERTILIZER AT ROOM TEMPERATURE AND ITS PREPARATION METHOD AND APPLICATION
~71:INNER MONGOLIA MINZU UNIVERSITY, No.536 West Huolinhe Street, Horqin District, Tongliao City, Inner
Mongolia Autonomous Region, 028000, People's Republic of China ~72: Chao WANG;Cheng WANG;Chunguang
BAO;Fenglan HUANG;Guorui LI;Hongxiang QIU;Huayang ZHAO;Huibo ZHAO;Jianjun DI;Jinglong
ZHANG;Mingda YIN;Mingjing LI;Mu PENG;Qi WEN;Ruhui CHANG;Rui LUO;Ruxin LI;Shuyan XU;Wenyu
HAN;Xiaohui GU;Xiaotian LIANG;Xiaoyan BAO;Xuemei HU;Yanpeng WEN;Yong ZHAO;Zhibiao HE;Zhimin
SU;Zhiyan WANG~ 33:CN ~31:2023118181975 ~32:27/12/2023

2024/00493 ~ Complete ~54:METHODS FOR TREATING HYPERTROPHIC CARDIOMYOPATHY
~71:Cytokinetics, Inc., 350 Oyster Point Blvd, SOUTH SAN FRANCISCO 94080, CA, USA, United States of
America ~72: HEITNER, Stephen B.;KUPFER, Stuart;MALIK, Fady;MENG, Lixin;OSMUKHINA,
Anna;ROBERTSON, Laura Ann;WOHLTMAN, Qi~ 33:US ~31:63/203,333 ~32:16/07/2021;33:US
~31:63/299,753 ~32:14/01/2022;33:US ~31:63/305,609 ~32:01/02/2022;33:US ~31:63/331,197
~32:14/04/2022;33:US ~31:63/343,975 ~32:19/05/2022

2024/00498 ~ Complete ~54:BUFFER TANK SEPARATION AND HOMOGENIZATION SYSTEM ~71:GEORGIA
TECH RESEARCH CORPORATION, 926 Dalney Street NW, Atlanta, Georgia, 30318, United States of America
~72: ADRIAN GEMPERLI;ANDREAS STAUB;CHRISTIAN FORRER;CHRISTIAN SEILER;CHRISTOPH
FARRÉR;DANIEL RÜDISÜLI;DAVID HASLER;FLORIAN FISCHER;JANINE
GLATTHARD;MARCO CADUFF;MATHIAS SCHLAURI;ROLAND LEHMANN;SHANNON YEE;VALDINEI
FRASSON~ 33:US ~31:63/222,726 ~32:16/07/2021

2024/00487 ~ Complete ~54:G- QUADRUPLEX- CONTAINING OLIGONUCLEOTIDES FOR PREVENTIVE AND
THERAPEUTIC TREATMENT ~71:JOHANN WOLFGANG GOETHE-UNIVERSITÄT FRANKFURT,
Theodor-W.-Adorno-Platz 1, Germany ~72: Denisa BOJKOVA;Jindrich CINATL;Johannes KLEEMANN;Katja
STEINHORST;Stefan KIPPENBERGER;Veronika KÖNIG~ 33:EP ~31:21181596.4 ~32:24/06/2021

2024/00504 ~ Complete ~54:IRRADIATION TARGETS FOR THE PRODUCTION OF RADIOISOTOPES
DEBUNDLING TOOL FOR DISASSEMBLY THEREOF ~71:BWXT ISOTOPE TECHNOLOGY GROUP, INC., 800
Main Street, Lynchburg, Virginia, 24504, United States of America ~72: ANDREW CARY WHITTEN;EVAN
THOMAS LOGUE~ 33:US ~31:63/212,177 ~32:18/06/2021;33:US ~31:63/344,391 ~32:20/05/2022

2024/00473 ~ Complete ~54:GREEN AND ULTRA-FINE COMPOSITE ADMIXTURE WITH HIGH-
PERFORMANCE AND PREPARATION METHOD AND APPLICATION ~71:Liangshan Saidi Building Materials
Technology Co., Ltd., No. 60-1, Group 8, Xinying Village, Anha Town, Xichang City, Liangshan Yi Autonomous
Prefecture, Sichuan Province, 615023, People's Republic of China ~72: HE, Yongliang;SUN, Mengxia;SUN,
Xiaopei;WANG, Mingjun;YANG, Xing~ 33:CN ~31:2023115175667 ~32:15/11/2023

- APPLIED ON 2024/01/16 -

2024/00513 ~ Provisional ~54:IRRIGATION DEVICE WITH COMBINATION SYSTEM ~71:Alastair Finlayson King, Farm 24 Lemeoenshoek, South Africa ~72: Alastair Finlayson King~

2024/00526 ~ Complete ~54:POWDERED SUGAR REPLACER ~71:PURATOS NV, Industrialaan 25, Belgium ~72: BOSMANS, Geertrui;PAREYT, Bram;VAN HAESENDONCK, Ingrid~ 33:BE ~31:BE2021/5618 ~32:03/08/2021

2024/00531 ~ Complete ~54:A PLANT PROTECTION ROBOT WITH AUTOMATIC UNIFORM PESTICIDE MIXING FUNCTION ~71:West Anhui University, West of Yunlu Bridge, Yueliang Island, Yu'an District, Lu'an City, Anhui province, 237012, People's Republic of China ~72: Junhui Cheng;Pengpeng Yu;Weidong Jia;Yourui Huang~ 33:CN ~31:202310203638.4 ~32:06/03/2023

2024/00510 ~ Provisional ~54:LEACHING OF LITHIUM ION BATTERY CATHODES WITH VARIOUS ACIDS IN A CHLORIDE SOLUTION ~71:Lesego Siwela, 28 Boeing Road East, South Africa ~72: ED HARWICK;Lesego Siwela~

2024/00522 ~ Complete ~54:MULTIVALENT INFLUENZA VACCINES ~71:SANOFI, 46 Avenue de la Grande, France ~72: ALEFANTIS, Timothy;CHIVUKULA, Sudha~ 33:US ~31:63/212,523 ~32:18/06/2021;33:EP ~31:21315198.8 ~32:13/10/2021;33:US ~31:63/276,243 ~32:05/11/2021;33:US ~31:PCT/US2021/058250 ~32:05/11/2021

2024/00527 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MODULATING EXPRESSION OF GENES ~71:VERSAMEB AG, HOCHBERGERSTR. 60C, 4057 BASEL, SWITZERLAND, Switzerland ~72: HILLMANN-WÜLLNER, Petra;METZGER, Friedrich;SELVARAJ, Justin, Antony;ZUIDVELD, Klaas, Pieter~ 33:US ~31:63/213,829 ~32:23/06/2021

2024/00532 ~ Complete ~54:FOODSTUFFS COMPRISING CELLS DIFFERENTIATED FROM ENGINEERED OLIGOPOTENT STEM CELLS ~71:SUPRÊME, La Pepiniere Genopole Enterprises, 4 Rue Pierre Fontaine, 91058, Evry-Courcouronnes Cedex, France ~72: COUTELIER, Héloïse;GONZALEZ GRASSI, Federico Jose;SAYOUS, Victor Claude Léon~ 33:EP ~31:21305964.5 ~32:09/07/2021;33:US ~31:63/220,158 ~32:09/07/2021

2024/00529 ~ Complete ~54:ROOM-TEMPERATURE AND AMBIENT-PRESSURE SUPERCONDUCTING CERAMIC AND METHODS FOR PRODUCING THE SAME ~71:QUANTUM ENERGY RESEARCH CENTRE (Q-CENTRE), (Garak-dong) B1, 46-24 Songi-ro 23-gil, Republic of Korea ~72: KIM, Ji Hoon;KWON, Young-Wan;LEE, Suk-Bae~ 33:KR ~31:10-2021-0112104 ~32:25/08/2021

2024/00535 ~ Complete ~54:COMPOSITIONS AND METHODS FOR SILENCING MYOC EXPRESSION ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;BHAUMIK A PANDYA;ELENA CASTELLANOS-RIZALDOS;MARK K SCHLEGEL;VASANT R JADHAV~ 33:US ~31:63/215,804 ~32:28/06/2021;33:US ~31:63/287,404 ~32:08/12/2021;33:US ~31:63/351,033 ~32:10/06/2022

2024/00538 ~ Complete ~54:ADDITIVE FOR CLEANING SCR SYSTEMS ~71:TUNAP GMBH & CO. KG, Bürgermeister-Seidl-Straße 2, 82515, Wolfratshausen, Germany ~72: ALEX LANGE;SERGEJ PAWLITSCHKEK;VOLKER KNÖTHIG~ 33:EP ~31:21183593.9 ~32:05/07/2021

2024/00542 ~ Complete ~54:IMMUNOCONJUGATES AND METHODS ~71:Zeno Management, Inc., 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: BUNKER, Kevin Duane;FISCHER, Kimberlee;HAN, Xiaojun;HUANG, Peter Qinhuo;ORR, Suvi Tuula Marjukka~ 33:US ~31:63/203,347 ~32:19/07/2021;33:US ~31:63/267,471 ~32:02/02/2022

2024/00551 ~ Provisional ~54:NU AGE PREGNANCY TEST LOLLIPOP ~71:FELICIA PALESA MHLANGA, 401 HANORAHOF, 477 EDMOND STREET, ARCADIA, South Africa ~72: FELICIA PALESA MHLANGA ~

2024/00550 ~ Complete ~54:LAYERED CONSTRUCTIONS WITH REMOVABLE LAYERS ~71:BOISE STATE UNIVERSITY, 1910 University Drive Boise, United States of America ~72: BARTHOLOMEW, Eric L.;DHOPATKAR, Nishad;MILLER, Rebecca;NOGALES, Kyle;PHILLIPS, Scott~ 33:US ~31:63/217,951 ~32:02/07/2021;33:US ~31:63/218,037 ~32:02/07/2021

2024/00511 ~ Provisional ~54:STORAGE OF LITHIUM ION BATTERY ELECTROLYTE ~71:LESEGO SIWELA, 28 BOEING ROAD EAST, South Africa ~72: ED HARDWICK;LESEGO SIWELA~

2024/00536 ~ Complete ~54:PIKFYVE ANTISENSE OLIGONUCLEOTIDES ~71:ACURASTEM, INC., 605 E. Huntington Dr., Suite 103 Monrovia, California, 91016, United States of America ~72: EMILY ELIZABETH LEE;WEN-HSUAN CHANG~ 33:US ~31:63/202,717 ~32:22/06/2021

2024/00539 ~ Complete ~54:SELF-ASSEMBLING AMPHIPHILIC POLYMERS AS ANTI-COVID-19 AGENTS ~71:ALLEXCEL INC., One Controls Drive, Shelton, Connecticut, 06848, United States of America ~72: ANIL R DIWAN;JAYANT G TATAKE;NEELAMKUMAR RAJ HOLKAR;PREETAMKUMAR RAJ HOLKAR;RAJESH K PANDEY;VIETHA CHINIGA~ 33:US ~31:PCT/US2021/039050 ~32:25/06/2021

2024/00544 ~ Complete ~54:ANTITUMOR COMPOUND AND USE THEREOF ~71:Minghui Pharmaceutical (Hangzhou) Limited, Suite 4-401, Hexiang Technology Center, Qiantang New District, HANGZHOU 310018 , ZHEJIANG, CHINA (P.R.C.), People's Republic of China;Minghui Pharmaceutical (Shanghai) Limited, Suite 6305 Building 6, No. 338 Jialilue Road, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, SHANGHAI 201203 , CHINA (P.R.C.), People's Republic of China ~72: CAO, Guoqing;CHEN, Yile;LI, Ao~ 33:CN ~31:202110673571.1 ~32:17/06/2021

2024/00549 ~ Complete ~54:CONTACTLESS PAYMENT METHODS AND SYSTEMS ~71:LIPA PAYMENTS (PTY) LTD, 1 Fredman Drive, South Africa ~72: BUKURU, Roger~ 33:ZA ~31:2021/04795 ~32:09/07/2021

2024/00512 ~ Provisional ~54:RECOVERY OF LITHIUM ION BATTERY CATHODE COMPONENTS ~71:LESEGO SIWELA, 28 BOEING ROAD EAST, South Africa ~72: ED HARDWICK;LESEGO SIWELA~

2024/00523 ~ Complete ~54:CYLINDRICAL TERMINAL, PLUG-IN CONNECTION STRUCTURE, AND METHOD FOR MACHINING CYLINDRICAL TERMINAL ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road,, High-tech Development Zone,, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110803204.9 ~32:15/07/2021;33:CN ~31:202121613435.5 ~32:15/07/2021

2024/00528 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MODULATING EXPRESSION OF GENES ~71:VERSAMEB AG, HOCHBERGERSTR. 60C, 4057 BASEL, SWITZERLAND, Switzerland ~72: HILLMANN-WÜLLNER, Petra;METZGER, Friedrich;SELVARAJ, Justin, Antony;ZUIDEVELD, Klaas, Pieter~ 33:US ~31:63/213,830 ~32:23/06/2021

2024/00543 ~ Complete ~54:SYNERGISTIC MICROBIAL STRAINS FOR INCREASING THE ACTIVITY OF NITROGEN-FIXING MICROORGANISMS ~71:University of Washington, 1100 NE Campus Parkway, Suite 200, SEATTLE 98195, WA, USA, United States of America ~72: DOTY, Sharon L.;SHER, Andrew Winslow~ 33:US ~31:63/213,517 ~32:22/06/2021

2024/00548 ~ Complete ~54:ALPHA-SHEET POLYPEPTIDES AND THEIR USE ~71:UNIVERSITY OF WASHINGTON, 4545 Roosevelt Way NE, Suite #400, United States of America ~72: BLEEM, Alissa;DAGGETT, Valerie;SHEA, Dylan~ 33:US ~31:63/224,815 ~32:22/07/2022

2024/00517 ~ Complete ~54:A GEOLOGICAL EXPLORATION GEOLOGICAL DEPTH MEASURING DEVICE
~71:Kunming Metallurgical College, No. 388 Xuefu Road, Wuhua District, Kunming City, Yunnan Province,
650033, People's Republic of China ~72: Wei Wu~

2024/00515 ~ Complete ~54:DEVICE AND METHOD FOR GENERATING BROADBAND OPTICAL
FREQUENCY COMB WITH ADJUSTABLE CENTRAL WAVELENGTH ~71:SOUTHWEST UNIVERSITY, No.2
Tiansheng Road, Beibei District, Chongqing, People's Republic of China ~72: DENG Tao;DING Zhuyu;FAN
Li;GAO Ziye;LIN Xiaodong;LUO Yang;TANG Xi;ZHU Beibei~ 33:CN ~31:2023116832740 ~32:09/12/2023

2024/00518 ~ Complete ~54:DEEP LEARNING-BASED HOME ROBOT FOR THE INTERNET OF THINGS
~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan
Province, 467036, People's Republic of China ~72: Guo Meng;Wang Ke~

2024/00524 ~ Complete ~54:PLUG-IN TERMINAL, MATING PLUG-IN CONNECTION STRUCTURE, AND
PLUG-IN TERMINAL ASSEMBLY ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957,
Shunda Road,, High-tech Development Zone,, People's Republic of China ~72: WANG, Chao~ 33:CN
~31:202121613410.5 ~32:15/07/2021;33:CN ~31:202110803188.3 ~32:17/07/2021

2024/00540 ~ Complete ~54:A HYGIENE COMPOSITION FOR REDUCTION OF MALODOUR ~71:UNILEVER
GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NAMISHA
MOHAPATRA;RAMYA SAMPATH KUMAR;SAMIRAN MAHAPATRA;SANDEEP VARMA~ 33:EP
~31:21194641.3 ~32:02/09/2021

2024/00509 ~ Provisional ~54:RECOVERY OF THE METAL SALTS FROM BATTERY LEACHATES BY
SELECTIVE PRECIPITATION AND ANTISOLVENT CRYSTALLIZATION ~71:Ed Hardwick, 28 Boeing Road
East, South Africa;Lesego Siwela, 28 Boeing Road East, South Africa ~72: Ed Hardwick;Lesego Siwela~

2024/00516 ~ Complete ~54:POLYURETHANE BUFFER FOR FREIGHT ELEVATOR FOR COLD CHAIN
WAREHOUSING, AND DETECTION METHOD THEREFOR ~71:Anhui Science And Technology University, No.
9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72:
BAI, Yunlei;QIAO, Yinhu;YAO, Yuan;ZHANG, Chunyan~

2024/00534 ~ Complete ~54:SULFOXIMINE COMPOUND AND USE THEREOF ~71:MEDSHINE DISCOVERY
INC., Room 218, No.9 Gaoxin Road, Jiangbei New District, Nanjing, Jiangsu, 210032, People's Republic of China
~72: CHUNDAO YANG;WENYUAN QIAN~ 33:CN ~31:202110694497.1 ~32:22/06/2021;33:CN
~31:202210002094.0 ~32:04/01/2022;33:CN ~31:202210665753.9 ~32:13/06/2022

2024/00546 ~ Complete ~54:WIRE DRAWING AND COLOR FIXATION PRODUCTION LINE FOR OUTER
SURFACE OF PLASTIC CAP ~71:ANHUI BAISHIJIA PACKING CO., LTD., Chuanbao, Dungan Town,
Tongcheng Anqing, Anhui, 231400, People's Republic of China ~72: JIANG, Chuanbao~ 33:CN
~31:202111219643.1 ~32:20/10/2021

2024/00519 ~ Complete ~54:CONCENTRATED GIBBERELLIN SOLUTION FORMULATIONS ~71:Valent
Biosciences LLC, 870 Technology Way, LIBERTYVILLE 60048, IL, USA, United States of America ~72:
DEVISETTY, Bala N.~ 33:US ~31:62/263,830 ~32:07/12/2015

2024/00547 ~ Complete ~54:TRANSMUCOSAL PATCH COMPRISING A CANNABINOID AND/OR AN OPIOID
~71:CANNAMEDICAL PHARMA GMBH, Im Mediapark 8, Germany ~72: FREY, Nadine;PLANZ,
Viktoria;SEIFERT, Anke;WAGNER, Yvonne;WALTHER, Alice;WALTHER, Marcel;WINDBERGS, Maike~ 33:EP
~31:21188925.8 ~32:30/07/2021

2024/00525 ~ Complete ~54:HOIST SYSTEM COUNTERBALANCE VALVE SIGNAL SHUTOFF
 ~71:CATERPILLAR INC., 100 NE Adams Street - AH9510, United States of America ~72: CONNOLLY, John R.;JUNAIDI, Aleem;WEN, Jun~ 33:US ~31:17/379,745 ~32:19/07/2021

2024/00530 ~ Complete ~54:A FEED ADDITIVE RICH IN HYDROTHREOSE EXTRACT AND BACILLUS LICHENIFORMIS ~71:West Anhui University, West of Yunlu Bridge, Yueliang Island, Yu'an District, Lu'an City, Anhui Province, 237012, People's Republic of China ~72: Bangxing Han;Fang Wang;Jun Dai;Peipei Wei;Shanyong Yi;Shuming Li;Tao Xu;Xueping Jiang;Yanjun Chen~ 33:CN ~31:202310300764.1 ~32:27/03/2023

2024/00545 ~ Complete ~54:IL-13 ANTIBODIES FOR THE TREATMENT OF ATOPIC DERMATITIS
 ~71:Dermira, Inc., Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: AGELL GIMENO, Helena;ARMENGOL TUBAU, Clara;GARCIA GIL, Maria Esther;MAESO NAVAL, Silvia~ 33:EP ~31:21382645.6 ~32:16/07/2021;33:EP ~31:22382098.6 ~32:07/02/2022

2024/00514 ~ Provisional ~54:PANEL LOCK MECHANISM ~71:HRH PROJECTS (PTY) LTD., 40 First Street, Springs, 1560, South Africa ~72: PAUL MURRAY HARPER~

2024/00533 ~ Complete ~54:ANTISENSE COMPOUNDS AND METHODS FOR TARGETING CUG REPEATS
 ~71:ENTRADA THERAPEUTICS, INC., One Design Center Place, Suite 17-500, Boston, Massachusetts, 02210, United States of America ~72: MAHBOUBEH KHEIRABADI;PATRICK DOUGHERTY;XIANG LI;XIULONG SHEN;ZIQING QIAN~ 33:US ~31:63/213,900 ~32:23/06/2021;33:US ~31:63/239,671 ~32:01/09/2021;33:US ~31:63/239,847 ~32:01/09/2021;33:US ~31:63/290,892 ~32:17/12/2021;33:US ~31:63/290,960 ~32:17/12/2021;33:US ~31:63/298,565 ~32:11/01/2022;33:US ~31:63/305,071 ~32:31/01/2022;33:US ~31:63/268,577 ~32:25/02/2022;33:US ~31:63/314,369 ~32:26/02/2022;33:US ~31:63/316,634 ~32:04/03/2022;33:US ~31:63/317,856 ~32:08/03/2022;33:US ~31:63/326,201 ~32:31/03/2022;33:US ~31:63/362,295 ~32:31/03/2022;33:US ~31:63/327,179 ~32:04/04/2022;33:US ~31:63/339,250 ~32:06/05/2022

2024/00541 ~ Complete ~54:PARTICLE GENERATING APPARATUS ~71:ASTRAL NEUTRONICS LTD, 71-75 Shelton Street, Covent Garden, London, Greater London, WC2H 9JQ, United Kingdom ~72: TALMON CASSANDER FIRESTONE;TOM WALLACE-SMITH~ 33:GB ~31:2108736.6 ~32:18/06/2021

2024/00520 ~ Complete ~54:A VEHICULAR STEERING WHEEL ASSEMBLY ~71:MAHINDRA & MAHINDRA LIMITED, Mahindra & Mahindra Limited, Mahindra Research Valley, Mahindra World City, India ~72: FERNANDES, Bradley Diago;MAREESWARAN, Periyaswamy~ 33:IN ~31:202341003449 ~32:17/01/2023

2024/00537 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING GLP-1R AGONISTS
 ~71:4MOVING BIOTECH, 1 rue du Professeur Calmette Campus de Institut Pasteur de Lille, 59000, Lille, France;ASSISTANCE PUBLIQUE HOPITAUX DE PARIS, 55 boulevard Diderot, 75012, Paris, France;INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE, 101, rue de Tolbiac, 75013, Paris, France;SORBONNE UNIVERSITE, 21, rue de l'École de Médecine, 75006, Paris, France ~72: CÉLINE MARTIN;CORALIE MEUROT;FRANCIS BERENBAUM;KEREN BISMUTH;REVITAL RATTENBACH~ 33:EP ~31:21305865.4 ~32:23/06/2021;33:EP ~31:21306467.8 ~32:21/10/2021

- APPLIED ON 2024/01/17 -

2024/00564 ~ Complete ~54:AN INTELLIGENT MONITORING AND WARNING SYSTEM FOR COAL MINE FIRE ~71:Huating Coal Industry Group Co., Ltd., No. 109, Lianhu Road, Shangting Community, Xihua Town, Huating City, Pingliang City, Gansu Province, 744000, People's Republic of China;Shaanxi Jinchuang Ante Technology Co., Ltd., No.049, Room F2001, 20th Floor, Building 4-A, Xixian Financial Port, Energy Jinmao Zone,

Fengdong New City, Xixian New District, Xi'an City, Shaanxi Province, 710000, People's Republic of China;Xi'an University of Science and Technology, No.58, Yanta Middle Road, Yanta District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: Changming Chen;Cheng Wan;Guobin Cai;Jun Guo;Wentao Du;Xuejun Li;Yanfeng Chen;Yanyan Xu;Yin Liu;Yongfei Jin~

2024/00566 ~ Complete ~54:QUASI-SOLID ELECTROLYTE BASED ON IONIC LIQUID AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:Jiangsu Urban and Rural Construction Vocational College, No.1 Heyu Road, Yincun Vocational Education Park, Changzhou City, Jiangsu Province, 230061, People's Republic of China ~72: CHEN Zhiyong;HAN Meijun;LI Jie;LI Le;MENG Xiangjun;WANG Wanning;XU Jixing;ZHANG Jiahao;ZHAO Hongyan~ 33:CN ~31:2023103777571 ~32:11/04/2023

2024/00571 ~ Complete ~54:TESTING METHOD FOR GROUTING REINFORCEMENT OF HIGHLY PERMEABLE INORGANIC MATERIALS BASED ON SOFT SURROUNDING ROCKS ~71:Beijing Chuangkou Technology Co., Ltd., Room 1208, 12th Floor, Building 1, No. 59 Zhongshan Street, Tongzhou District, Beijing, 101100, People's Republic of China;Shanxi Huayang Group New Energy Co., Ltd., 5 Beidaxi Street, Yangquan City, Shanxi Province, 045000, People's Republic of China ~72: AN Zhe;CHEN Dedong;FAN Junping;GUO Jingzhong;LI Boqiang;LIU Yude;NI Huaihua;QIU Jinzhong;SHI Xiaojing;WU Pengliang;YANG Yuanzhong;ZHANG Jing;ZHANG Xiapeng~

2024/00570 ~ Complete ~54:PARENT PURIFICATION METHOD, FINE CORN SEED AND METHOD OF PRODUCING CORN SEEDS ~71:GANSU AGRICULTURAL UNIVERSITY, NO.1 YINGMEN VILLAGE, People's Republic of China;JIUQUAN ACADEMY OF AGRICULTURAL SCIENCES, 100-1-3 NORTH STREET, People's Republic of China;QINGYANG CITY XIFENG DISTRICT AGRICULTURAL TECHNOLOGY EXTENSION CENTER, NO.26 JIULONG ROAD, People's Republic of China;ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, 7 KM AWAY FROM ZHANGSU ROAD, People's Republic of China ~72: JIA, Juanjuan;MIU, Chunqing;SHI, Jing;ZHENG, Rong~

2024/00608 ~ Complete ~54:A RESIN ANCHORED ROCK BOLT WITH A PIERCING END ~71:EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD, 682 Innes Road, Jet Park, South Africa ~72: CROMPTON, Brendan Robert;SHEPPARD, James William~

2024/00558 ~ Complete ~54:WATER TURBINE CAVITATION MONITORING SYSTEM ~71:Northwest A&F University, No.3 Taicheng Road, Yangling District, Xianyang City, Shaanxi Province, People's Republic of China ~72: DONG Wei;ZHANG Haichen~

2024/00555 ~ Provisional ~54:EXTRACTS OF SACCHARIDES FROM UVARIA BREVISTIPITATA DE WILD ~71:CREPPAT LABORATORIES PROPRIETARY LIMITED, 80 Frere Road, VINCENT, East London 5247, SOUTH AFRICA, South Africa ~72: BASHENGEZI, Constantin Mihigo Ighanz Kulimushi~

2024/00583 ~ Complete ~54:TERMINAL HAVING MEMORY RING ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road,, High-tech Development Zone,, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110801855.4 ~32:15/07/2021;33:CN ~31:202121611259.1 ~32:15/07/2021

2024/00556 ~ Complete ~54:BERBERINE-COUPLED CISPLATIN DERIVATIVE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Xiamen University, 422 Siming South Road, Siming District, Xiamen City, Fujian Province, 361005, People's Republic of China ~72: GAO, Jinhao;HU, Tianhui;LIN, Hongyu;LUO, Xiangjie;XIONG, Jing;XU, Beibei;ZHANG, Wenqing~

2024/00592 ~ Complete ~54:NEW FIBROUS OR LAMINATED, AND TEXTURED, FOOD PRODUCT AND METHOD FOR PRODUCING SAME ~71:UMIAMI SAS, 23 Avenue de la Baltique, 91140, Villebon Sur Yvette,

France ~72: BENO#206;T BASSE;HUGO DUPUIS;LAURENA MASBERNAT;MARIE LINE EL CHEMALI~
33:FR ~31:FR2108339 ~32:30/07/2021

2024/00596 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House,
1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HAINES, Richard;XIAO,
Zhihuang~ 33:GB ~31:2110353.6 ~32:19/07/2021

2024/00601 ~ Complete ~54:COMPOSITIONS COMPRISING A CONSTITUENT, DERIVATIVE OR EXTRACT
OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED
KINGDOM, United Kingdom ~72: ALDERMAN, Steven L.;CARAWAY, John;DANIEL, Michael S.;DAVIES,
Ashley;HAWKE, Jenni;MCQUILLAN, Karina;POOLE, Thomas H.;TALUSKIE, Karen;TANG, Kai;WILBERDING,
Kathryn L.;XU, Keyi~ 33:US ~31:63/224,584 ~32:22/07/2021

2024/00577 ~ Complete ~54:A DEVICE WITH CUSTOMIZED INTEGRATED ELECTRONIC CIRCUIT FOR
DESTROYING PATHOGENS ~71:Narsimha Chary MANDAJI, House Number:1-2-151/GC/53p/54p, Opposite
Krishnamma Gutta Temple, India ~72: MANDAJI, Narsimha Chary~ 33:IN ~31:202141027063 ~32:17/06/2021

2024/00586 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING DISPLAY SUPPORT STRUCTURE
~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677,
Republic of Korea ~72: CHIJOON KIM;HALIM CHOI;JIHOON KANG;JONGHWAN CHOI;WONYOUNG SEO~
33:KR ~31:10-2021-0104432 ~32:09/08/2021;33:KR ~31:10-2021-0178869 ~32:14/12/2021

2024/00595 ~ Complete ~54:SPIROCYCLIC COMPOUNDS ~71:AstraZeneca AB, S#214;DERT#196;LJE SE-
151-85, SWEDEN, Sweden ~72: BARLAAM, Bernard Christophe;CUMMING, Iain Alexander;RAUBO, Piotr
Antoni;ROBB, Graeme Richard;SMITH, James Michael~ 33:US ~31:63/243,267 ~32:13/09/2021

2024/00599 ~ Complete ~54:CONSTITUENT, DERIVATIVE OR EXTRACT OF CANNABIS IN AMORPHOUS
FORM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED
KINGDOM, United Kingdom ~72: ALDERMAN, Steven;DANIEL, Michael;MCQUILLAN, Karina;POOLE,
Thomas;TANG, Kai;XU, Keyi~ 33:US ~31:63/224,626 ~32:22/07/2021

2024/00576 ~ Complete ~54:USE OF A NAPHTHALENESULFONIC ACID POLYCONDENSATE AS A
PLASTICIZER IN A CONSTRUCTION COMPOSITION AND CONSTRUCTION COMPOSITION
~71:CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DR.- ALBERT-FRANK- STRASSE 32,
TROSTBERG 83308, GERMANY, Germany ~72: AYKAN, Gulnihal;BANDIERA, Massimo;GOWDA,
Sridhara;SCHMIDT, Michael~ 33:EP ~31:21180790.4 ~32:22/06/2021

2024/00582 ~ Complete ~54:POTASSIUM CHANNEL MODULATORS ~71:AUTIFONY THERAPEUTICS
LIMITED, Stevenage Bioscience, Catalyst Gunnels Wood Road, United Kingdom ~72: ALVARO,
Giuseppe;MARASCO, Agostino;RIVERS, Dean~ 33:EP ~31:21190704.3 ~32:10/08/2021

2024/00587 ~ Complete ~54:CDK2 INHIBITORS ~71:BLUEPRINT MEDICINES CORPORATION, 45 Sidney
Street, Cambridge, Massachusetts, 02139, United States of America ~72: DOUGLAS WILSON;EMANUELE
PEROLA;JOSEPH L KIM;NATASJA BROOIJMANS;NEIL BIFULCO JR;PHILIP D RAMSDEN;RICHARD
VARGAS;STEVEN MARK WENGLOWSKY~ 33:US ~31:63/215,901 ~32:28/06/2021

2024/00589 ~ Complete ~54:NEMATICIDAL COMPOSITION ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15,
Edobori 1-chome Nishi-Ku Osaka-shi, Osaka, 5500002, Japan ~72: KAZUHISA KIRIYAMA;MANABU
SHIMIZU;TAKAHIRO SASAMI;TOMOMI NAKAGAWA;TOMOYA ITO;YASUHIRO KUBOTA~ 33:JP ~31:2021-
113233 ~32:08/07/2021

2024/00591 ~ Complete ~54:A PHOTOPROTECTIVE PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ADITI JAYAVANT KULKARNI;ANKITA RUTU PAWAR;ASHISH ANANT VAIDYA;POOJA BHUPESH KUNDU;PRAFUL GULAB RAO LAHORKAR;RAJKUMAR PERUMAL~ 33:EP ~31:21194673.6 ~32:02/09/2021

2024/00559 ~ Complete ~54:A PREPARATION METHOD OF BROUSSONETIA POPYRIFERA SILAGE SHEEP FEED ~71:Shihezi University, No.221 Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China;Third Division Animal Husbandry and Veterinary Workstation, No.11 Qianhai East Street, Tumushuke City, Xinjiang Uygur Autonomous Region, 843900, People's Republic of China;Xinjiang Academy of Agricultural Science, No.221, Wuyi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832000, People's Republic of China ~72: Chunhui MA;Chunying JIA;Fanfan ZHANG;Li ZHANG;Rongzheng HUANG;Shuangming LI;Xiaokai ZHENG;Xuheng ZHAO;Yingchao SUN;Yongcheng CHEN~

2024/00560 ~ Complete ~54:A LIQUID-WASHING AIR PURIFYING AND DISINFECTING DEVICE ~71:Xuzhou Xinkun Electric Co., Ltd, No. 16, Tiefu Street, Tiefu Town, Pizhou, Xuzhou, Jiangsu, 221300, People's Republic of China;Yebin Wang, No. 278, Group 5, Zouzhuang Village, Zouzhuang Town, Pizhou, Xuzhou, Jiangsu, 221333, People's Republic of China;Zhiye Wang, No. 278, Group 5, Zouzhuang Village, Zouzhuang Town, Pizhou, Xuzhou, Jiangsu, 221333, People's Republic of China ~72: Yebin Wang;Zhiye Wang~ 33:CN ~31:202320118748.6 ~32:19/01/2023

2024/00565 ~ Complete ~54:PVA-BASED QUASI-SOLID ELECTROLYTE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:Jiangsu Urban and Rural Construction Vocational College, No.1 Heyu Road, Yincun Vocational Education Park, Changzhou City, Jiangsu Province, 230061, People's Republic of China ~72: CHEN Sheng;CHEN Tao;CHEN Zhiyong;LI Haiping;LI Jie;LI Le;WANG Wanning;ZHANG Jiahao;ZHAO Hongyan;ZHU Qianyi~ 33:CN ~31:202310377755.2 ~32:11/04/2023

2024/00569 ~ Complete ~54:DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA ~71:ALCRESTA THERAPEUTICS, INC., One Newton Executive Park, Suite 100, Newton, Massachusetts, 02462, United States of America ~72: DAVID WIDOM;ERIC FIRST~ 33:US ~31:62/546,817 ~32:17/08/2017;33:US ~31:15/998,410 ~32:15/08/2018

2024/00573 ~ Complete ~54:METHOD OF CULTIVATING SWEET CORNS BY EARLY SOWING ~71:JIUQUAN ACADEMY OF AGRICULTURAL SCIENCES, 100-1-3 NORTH STREET, People's Republic of China;ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, 7 KM AWAY FROM ZHANGSU ROAD, People's Republic of China ~72: CHEN, Xiaojun;GUAN, Chengping;GUO, Jianwei;LI, Jiali;WANG, Juan;WANG, Xing;WANG, Zenghui;ZHENG, Rong~

2024/00575 ~ Complete ~54:CEMENT DISPERSANT COMPRISING A NAPHTHALENESULFONIC ACID POLYCONDENSATE AND AT LEAST ONE OF A PHOSPHORYLATED POLYCONDENSATE AND A POLYCARBOXYLATE ETHER, AND CONSTRUCTION COMPOSITION ~71:CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DR.- ALBERT-FRANK- STRASSE 32, TROSTBERG 83308, GERMANY, Germany ~72: AYKAN, Gulnihal;BANDIERA, Massimo;GOWDA, Sridhara;SCHMIDT, Michael~ 33:EP ~31:21180836.5 ~32:22/06/2021

2024/00579 ~ Complete ~54:COMPOSITE STEEL PLATE AND CONCRETE STRUCTURE OF TUBE JOINT FOR IMMERSED TUBE TUNNEL AND MANUFACTURING METHOD THEREFOR ~71:CCCC HIGHWAY PLANNING AND DESIGN INSTITUTE CO., LTD, 33 Qianchaomian Hutong, Dongsi, Dongcheng District., Beijing, 100010, People's Republic of China ~72: LIU, Minghu;REN, Yaopu;WANG, Yong;XU, Guoping;XU, Yu;ZHANG, Haijia~ 33:CN ~31:202211105392.9 ~32:09/09/2022

2024/00581 ~ Complete ~54:TERMINAL HAVING STAMPING ELASTIC SHEET STRUCTURE
~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road,, High-tech
Development Zone,, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110803160.X
~32:15/07/2021;33:CN ~31:202121611169.2 ~32:15/07/2021

2024/00585 ~ Complete ~54:HYDROELECTRIC ENERGY STORAGE SYSTEM ~71:JOUBERT TRUST, Trust
number: IT000900/2018(C), Nr 4 High Riding Estate, Sir Lowry's Pass, Western Cape, 7130, South Africa
~72: CHRISTIAAN JOHANNES JOUBERT~ 33:ZA ~31:2021/02127 ~32:30/03/2021;33:ZA ~31:2021/05004
~32:16/07/2021

2024/00590 ~ Complete ~54:THERAPEUTIC COMPOUNDS ~71:TAXIS PHARMACEUTICALS, INC., 9 Deer
Park Drive, Suite J-15, Monmouth Junction, New Jersey, 08852, United States of America ~72: AJIT K
PARHI;JESUS ROSADO;PRATIK DATTA;YI YUAN;YONGZHENG ZHANG~ 33:US ~31:63/213,519
~32:22/06/2021

2024/00594 ~ Complete ~54:GLASS MATERIAL, AND PREPARATION METHOD THEREFOR AND PRODUCT
THEREOF ~71:CHANGSHU JIAHE DISPLAY TECHNOLOGY CO., LTD, No.25, Jinmen Road, Changshu
National High Tech Industrial Development Zone Suzhou, Jiangsu, 215558, People's Republic of China ~72:
FUJUN ZHANG;JIHONG ZHANG;QIHANG TIAN;WEIWEI ZHOU~ 33:CN ~31:202110278335.X ~32:18/03/2021

2024/00597 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House,
1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: POTTER, Mark~ 33:GB
~31:2110349.4 ~32:19/07/2021

2024/00605 ~ Complete ~54:METHOD FOR MEASURING BENDING OF AN EXTENDED VERTICALLY
DIRECTED CHANNEL ~71:JOINT STOCK COMPANY "N.A. DOLLEZHAL RESEARCH AND
DEVELOPMENT INSTITUTE OF POWER ENGINEERING", ul. Malaya Krasnosel'skaya, 2/8, Russian
Federation;JOINT STOCK COMPANY "ROSENERGOATOM", ul. Ferganskaya, 25, Russian
Federation;OBSHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "PROLOG", pr.
Lenina, 85B Kaluzhskaya oblast', g., Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR
INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, kabinet 820,
Russian Federation ~72: FEDOROV, Artyom Nikolaevich;PODOSINNIKOV, Alexandr Alexandrovich;STEPANOV,
Maksim Alekseevich~ 33:RU ~31:2021128445 ~32:29/09/2021

2024/00561 ~ Complete ~54:METHOD FOR RAPIDLY AND PRECISELY MEASURING POD SHATTER
RESISTANCE OF RAPESEED POD ~71:HYBRID RAPESEED RESEARCH CENTER OF SHAANXI PROVINCE,
No. 6, West Section of Gaoganqu Road, Yangling Demonstration Zone, Shaanxi Province, 712100, People's
Republic of China ~72: AN, Ran;JI, Yuxue;JIA, Qingli;MU, Jianxin;WANG, Hao;WEI, Shihao;ZHU, Yantao~

2024/00568 ~ Complete ~54:METHOD OF TREATING DISEASES ~71:AMRYT ENDO, INC., 1209 Orange
Street, Wilmington, New Castle County, Delaware, 19801, United States of America ~72: RONI MAMLUK~ 33:US
~31:62/111,369 ~32:03/02/2015;33:US ~31:62/136,012 ~32:20/03/2015

2024/00578 ~ Complete ~54:COMPARISON METHOD FOR TWO-PARTY QUANTUM SECRET SIZE BASED
ON THE TWO-LEVEL BELL STATE ~71:Anhui Science And Technology University, No.9 Donghua Road,
Fengyang County, Chuzhou City, Anhui Province, anhui science and technology university, People's Republic of
China ~72: Cao Hao;Chen Tao;Chen xuemin;Gong Lihua;Tong yuke;Yang Mengqing;Zhou nanrun~

2024/00584 ~ Complete ~54:A WAVE GENERATING INSTALLATION AND METHOD ~71:CALITZ, Peter
Benjamin, 7 Grahamstown Road, North End, PORT ELIZABETH 6000, Eastern Cape, SOUTH AFRICA, South
Africa ~72: CALITZ, Peter Benjamin~ 33:ZA ~31:2021/05213 ~32:23/07/2021

2024/00588 ~ Complete ~54:TWO-SIDED HYBRID MATTRESS TOPPER ~71:SEALY TECHNOLOGY, LLC, One Office Parkway, Trinity, North Carolina, 27370, United States of America ~72: ALANDA TAR;ALLEN M PLATEK;BRIAN M MANUSZAK;DIANE MANUSZAK;JAMES A BEAMON;JESSICA LEE LEWIS;KEVIN TAR~ 33:US ~31:63/214,502 ~32:24/06/2021

2024/00598 ~ Complete ~54:STABLE POLY(ALKYL ALDEHYDE)S ~71:Boise State University, 1910 University Drive, BOISE 83725, ID, USA, United States of America ~72: NOGALES, Kyle;PHILLIPS, Scott~ 33:US ~31:63/218,037 ~32:02/07/2021

2024/00593 ~ Complete ~54:RECOVERY OF VANADIUM FROM LEACH RESIDUES ~71:AVANTI MATERIALS LTD, Level 1, 1292 Hay Street, West Perth, Western Australia, 6005, Australia ~72: DAVID ROBINSON~ 33:AU ~31:2021902081 ~32:08/07/2021

2024/00600 ~ Complete ~54:AEROSOL GENERATING COMPOSITIONS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid;STROPHAIR, Oriol~ 33:GB ~31:2110554.9 ~32:22/07/2021

2024/00602 ~ Complete ~54:CALIBRATED FLOW RATE SENSING AND FLOW CONTROL DEVICE ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: CARMEN, Larry;CIASULLI, Andrew Michael;DESROCHERS, Kristopher Lawrence;MEYER, Stephen Joseph~ 33:US ~31:63/212,209 ~32:18/06/2021

2024/00604 ~ Complete ~54:MULTI-FUNCTIONAL ROBOTIC SYSTEM FOR CONTROLLING FIRE EXTINCTION AT INDUSTRIAL SITES ~71:AKTSIONERNOE OBSCHESTVO "POZHGIDRAVLIKA" (AO "POZHGIDRAVLIKA"), ul. Mendeleeva, dom 31, Russian Federation;JOINT STOCK COMPANY "ROSENERGOATOM", ul. Ferganskaya, 25, Russian Federation;OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "INZHENERNIY TSENTR POZHARNOY ROBOTOTEKHNIKI" (OO "INZHENERNIY TSENTR POZHARNOY ROBOTOTEKHNIKI" "EFER", ul. Zavodskaya (Severnaya promzona r-n), dom 4, Russian Federation;OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PTO-PTS" (OO "PTO-PTS"), vladenie 1, stroenie, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, Russian Federation ~72: BURDIN, Alexandr Mikhaylovich;GAYNANOV, Valeriy Feliksovich;GORBAN', Yuriy Ivanovich;KHAREVSKIY, Valeriy Andreevich;NEMCHINOV, Sergey Georgievich~ 33:RU ~31:2021124355 ~32:17/08/2021

2024/00557 ~ Complete ~54:METHOD FOR PREPARING ALUMINIZED MAGNESIUM ALLOY BY ELECTRODEPOSITION IN IONIC LIQUID ~71:Taiyuan University of Technology, No. 79 Yingze West Street, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Fanxi YANG;Jie PAN;Jinling ZHANG;Shebin WANG;Xiaomin ZHANG;Yanchong YU~

2024/00562 ~ Complete ~54:METHOD, SYSTEM AND STORABLE MEDIUM FOR PREDICTING AIR CONDITIONING LOAD ~71:NARI TECHNOLOGY CO., LTD., 19 Chengxin Avenue, Jiangning District, Nanjing City, People's Republic of China;SOUTHEAST UNIVERSITY, No. 2 Sipai Lou, Xuanwu District, Nanjing City, People's Republic of China;STATE GRID HENAN ELECTRIC POWER COMPANY KAIFENG POWER SUPPLY COMPANY, Power building, Jinming Avenue, Kaifeng City, People's Republic of China ~72: CHEN, Binghua;DU, Jiao;HAO, Jing;LU, Zhenjun;MENG, Fanbin;NAN, Yu;XU, Qingshan;ZHANG, Haichuan;ZHANG, Weiguo;ZHENG, Gang;ZHU, Qing~

2024/00567 ~ Complete ~54:MICROBIAL AGENT FOR INCREASING CONVERSION RATE OF PIG FEED ~71:HEILONGJIANG AGRICULTURAL ENGINEERING VOCATIONAL COLLEGE, NO. 2 QUNYING STREET, People's Republic of China;INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF

AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: CHEN, Heshu;FENG, Yanzhong;HE, Xinmiao;LI, Jingrong;LIU, Di;TIAN, Ming;WANG, Wentao;ZHANG, Haifeng~

2024/00554 ~ Provisional ~54:THE CSP-PV SOLAR POWERED HYDROGEN SHIP ISLANDS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/00553 ~ Provisional ~54:THE ARK OF PARABOLICS HYDROGEN SHIP ISLANDS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/00572 ~ Complete ~54:ACUPUNCTURE POSITIONER ~71:The First Affiliated Hospital of Henan University of Traditional Chinese Medicine, No.19 Renmin Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Li Shanshan;Li Yujie;Wang Qingbo;Wang Yongjie;Wei Dandan;Wu Zongyao;Zhang Minghao~

2024/00574 ~ Complete ~54:WATER-SAVING CORN CULTIVATION METHOD USING UNDER-FILM DRIP IRRIGATION ~71:JIUQUAN ACADEMY OF AGRICULTURAL SCIENCES, 100-1-3 NORTH STREET, People's Republic of China;ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, 7 KM AWAY FROM ZHANGSU ROAD, People's Republic of China ~72: CHEN, Xiaojun;GUAN, Chengping;LI, Jiali;MIU, Chunqing;WANG, Juan;WANG, Xing;WANG, Zenghui;ZHENG, Rong~

2024/00580 ~ Complete ~54:COMBINATION FOR USE FOR THE TREATMENT OF HYPERCHOLESTEROLEMIA, HYPERLIPIDEMIA, CARDIOVASCULAR DISEASE AND METABOLIC SYNDROME ~71:MEDA PHARMA S.P.A., Via Valosa di Sopra, 9, Italy ~72: GASPARRI, Franco;GELFI, Elena;MOSCONI, Manuel;ZANARDI, Andrea~ 33:GB ~31:2110358.5 ~32:19/07/2021

2024/00603 ~ Complete ~54:MEASUREMENT TOOL INSTALLATION APPARATUS AND METHOD ~71:REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, 216 Balcatta Road, Australia ~72: GREENWOOD, Roland;JACKSON, John Carl;KENNELLY, Lachlan;WEBB, Lee~ 33:AU ~31:2021902388 ~32:03/08/2021

2024/00563 ~ Complete ~54:URBAN RAINWATER CATCHMENT DIVISION METHOD ~71:China Institute of Water Resources and Hydropower Research, A-1, Fuxing Road, Haidian District, Beijing, People's Republic of China;General Office of Ministry of Water Resources P.R. China, 2, Lane 2, Baiguang Road, Xicheng District, Beijing, People's Republic of China;The General Institute of Water Resources and Hydropower Planning and Design of the Ministry of Water Resources P.R. China, No. 2-1, Liupu Kang North Street, Xicheng District, Beijing, People's Republic of China ~72: CHAI Fuxin;GU Qian;GUO Xiaoqi;HAO Xiaoli;HE Jun;HU Changwei;LI Kuang;LI Min;LIU Yesen;LIU Yunning;MENG Lingguang;PENG Feng;XIAO Yuchen;XU Huimin;XU Mei;ZANG Wenbin;ZHANG Hongping;ZHANG Zhen;ZHENG Jingwei~

- APPLIED ON 2024/01/18 -

2024/00650 ~ Complete ~54:SIRNA INHIBITING ANGPTL3 GENE EXPRESSION, AND USE THEREOF ~71:Shanghai Junshi Biosciences Co., Ltd., Floor 13, Building 2, Nos. 36 and 58, Haiqu Road, Pilot Free Trade Zone, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Dawei;FENG, Hui;GU, Jiamin;GUO, Wantao;KONG, Xianqi;LI, Haiming;LV, Jiasheng;MA, Xinxin;PAN, Jun;SIYANG, Haixiao;SONG, Peiming;WU, Chun;YAO, Sheng;YIN, Yijie~ 33:CN ~31:202110688187.9 ~32:21/06/2021

2024/00609 ~ Complete ~54:METHOD FOR PREPARING LIGHT INSULATION BOARD FROM ALUMINUM EXTRACTION RESIDUE OF FLY ASH ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIN Biao;LUO Qing;WANG Xiao;XU Zhuoyue;ZHANG Jianwu;ZHANG Xiaoting~

2024/00615 ~ Complete ~54:A POTENTIAL METHOD, SYSTEM, DEVICE, AND MEDIUM FOR PREDICTING POTENTIAL DRUG INTERACTIONS ~71:China University of Mining and Technology, No.1 Daxue Road, Xuzhou, Jiangsu, People's Republic of China ~72: Li Zhengwei;Wang Lei;Wang Meineng;Wei Mengmeng;Wei Yu~ 33:CN ~31:2023118451048 ~32:29/12/2023

2024/00620 ~ Complete ~54:GRAPH TRANSFORMER-BASED LINK PREDICTION METHOD FOR COMPLEX NETWORKS ~71:Suzhou University, Xuefu Avenue, Education Park, Yongqiao District, Suzhou City, Anhui Province, People's Republic of China ~72: Qin Wenbo;Zhang Zhiwei~

2024/00628 ~ Complete ~54:STEEL PIPE PILE SINKING DEVICE AND CONSTRUCTION METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIAYAN YANG~ 33:CN ~31:2023114028603 ~32:27/10/2023

2024/00636 ~ Complete ~54:FENDER STRUCTURE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIAYAN YANG~ 33:CN ~31:2023108204400 ~32:06/07/2023

2024/00643 ~ Complete ~54:TENSIONING DEVICE FOR WINDING METAL PIPES INTO A COIL ~71:CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI "NAUKA I INNOVACII", ul. B. Ordynka, d. 24, et. 8, Russian Federation;JOINT-STOCK COMPANY 'MECHANICAL ENGINEERING PLANT "ZIO-PODOLSK", ul. Zheleznodorozhnaya, d. 2 Podolsk, Russian Federation ~72: BOROVKOV, Yuri Konstantinovich;RYABOSHAPKA, Alexey Nikolaevich;TEREHOV, Viktor Michailovich~ 33:RU ~31:2021138969 ~32:27/12/2021

2024/00655 ~ Complete ~54:1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID FOR THINNING OF FRUITS ~71:Valent BioSciences LLC, 1910 Innovation Way, Suite 100, LIBERTYVILLE 60048, IL, USA, United States of America ~72: MCARTNEY, Steve;SCHROEDER, Michael;VERDUGO MATAMALA, Antonieta Isabel;WOOLARD, Derek D.~ 33:US ~31:63/240,485 ~32:03/09/2021

2024/00656 ~ Complete ~54:6-AMINOPYRAZOLOPYRIMIDINE COMPOUND AND PHARMACEUTICAL USE THEREOF ~71:Japan Tobacco Inc., 1-1, Toranomom 4-chome, Minato-Ku, TOKYO 105-6927, JAPAN, Japan ~72: ADACHI, Kaoru;NISHIMARU, Tatsuya;OGOSHI, Yosuke;OHBA, Yusuke;SAKURAI, Kentaro;SATO, Shimpei~ 33:JP ~31:2021-141253 ~32:31/08/2021;33:JP ~31:2022-068967 ~32:19/04/2022

2024/00649 ~ Complete ~54:AEROSOL GENERATION AND DELIVERY SYSTEM FOR CARBOXYLATED ACTIVES ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DAVIES, Ashley;STROPHAIR, Oriol~ 33:GB ~31:2110546.5 ~32:22/07/2021

2024/00659 ~ Complete ~54:ACTIVE/PASSIVE COOLING SYSTEM ~71:MUNTERS CORPORATION, 225 Magnolia Avenue, United States of America ~72: BOUCHER, Michael;DINNAGE, Paul, A;DUNNAVANT, Bryan, Keith;FANG, Wei;NEUWALD, Rafael;ROBERTS, John~ 33:US ~31:17/395,873 ~32:06/08/2021

2024/00617 ~ Complete ~54:PREPARATION OF GLUE FOR PRODUCING ALL BAMBOO PARTICLEBOARD ~71:HONG WEI WOODEN PRODUCTS (RENHUA) CO., LTD, In the Industrial Park of Renhua County, Renhua County, Shaoguan, Guangdong, People's Republic of China ~72: AJI JIANG;HAIMING MO;HUANG XU;JIANPING XIANG;LESHAO LIN;ZHIMING LIU~ 33:CN ~31:202311225442.1 ~32:21/09/2023

2024/00622 ~ Complete ~54:MULTILAYER MATERIAL WHICH CAN BE USED AS PACKAGING, COMPRISING A LAYER OF CELLULOSIC MATERIAL AND A LAYER OF MATERIAL COMPRISING AT LEAST ONE CASEIN AND/OR AT LEAST ONE CASEINATE ~71:LACTIPS, 350 Rue de l'Industrie ZI les Fraries, France ~72:

BESSAIRE, Bastien;CHEVALIER, Elodie;CHIROUSSEL, Fannie;MELLOUKI, Kheirdine~ 33:FR ~31:FR2106706
~32:23/06/2021

2024/00625 ~ Complete ~54:CABLE HAVING COOLING FUNCTION, CURRENT TRANSMISSION DEVICE,
AND ELECTRIC VEHICLE ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957,
Shunda Road,, High-tech Development Zone,, People's Republic of China ~72: WANG, Chao~ 33:CN
~31:202110821578.3 ~32:20/07/2021;33:CN ~31:202121653535.0 ~32:20/07/2021

2024/00629 ~ Complete ~54:STEEL SHEET PILE CONSTRUCTION METHOD ~71:CHINA HARBOUR
ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of
China ~72: HUAQIANG ZHANG~ 33:CN ~31:2023108713114 ~32:17/07/2023

2024/00633 ~ Complete ~54:FOUNDATION PIT OF GARBAGE BIN ~71:CHINA HARBOUR ENGINEERING
COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72:
JUNBIAO HE~ 33:CN ~31:2023116871355 ~32:11/12/2023

2024/00637 ~ Complete ~54:GROUTING DEVICE FOR BRIDGE CONSTRUCTION ~71:CHINA HARBOUR
ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of
China ~72: WENCHAO ZHANG~ 33:CN ~31:2023105037181 ~32:06/05/2023

2024/00641 ~ Complete ~54:CONCRETE MIXING DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY
LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: XIAOQIANG
ZHANG~ 33:CN ~31:2023113754148 ~32:23/10/2023

2024/00652 ~ Complete ~54:WALL PANEL ~71:Eekowall Unlimited, 5 Beauchamp Court, Victors Way, Barnet,
LONDON EN5 5TZ, UNITED KINGDOM, United Kingdom ~72: PLATT, Derek;REILLY, Michael~ 33:GB
~31:2109234.1 ~32:25/06/2021

2024/00648 ~ Complete ~54:TREATMENT OF SEVERE AND UNCOMPLICATED MALARIA ~71:NUREX S.r.l.,
Zona Industriale Predda Niedda, Nord Strada 3- complesso I Docks, SASSARI 07100, ITALY, Italy;Purdue
Research Foundation, 101 Foundry Drive, Suite 2500, WEST LAFAYETTE 47906, IN, USA, United States of
America;University of Sassari, Piazza Universita 21, SASSARI 07100 , ITALY, Italy;VinUniversity, Vinhomes
Ocean Park, Giam Lam District, HANOI, VIETNAM, Viet Nam ~72: CHIEN, Huynh Dinh;LOW, Philip
Stewart;PANTALEO, Antonella;TURRINI, Francesco Michelangelo~ 33:VN ~31:1-2021-04540 ~32:23/07/2021

2024/00660 ~ Complete ~54:AN APPARATUS AND PROCESS FOR COMPLETE TREATMENT OF SLURRY
AND POWDER ~71:HEGDE, Shreepad, Villa No. 290, Hill County, Hyderabad 500090, Bachupally, India, India
~72: HEGDE, Shreepad~ 33:IN ~31:202141028033 ~32:22/06/2021

2024/00618 ~ Complete ~54:AN X-RAY IMAGE DETECTION METHOD BASED ON DEEP LEARNING
~71:Zhejiang Dongfang Polytechnic, No. 433, Jinhai Third Avenue, Economic and Technological Development
Zone, Wenzhou City, Zhejiang Province, 325000, People's Republic of China ~72: Dingchao Zheng;Haolong
Yang;Maomao Chang;Qi Diao;Shangde Xie;Tao Song;Wanchang Dai;Yanxia Wei~

2024/00623 ~ Complete ~54:SEED RECEIVER AND PATH CONSTRAINER FOR AN AGRICULTURAL
PLANTER SEED ORIENTATION SYSTEM ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont,
United States of America ~72: DILLE, Mitchell R;STRANG, Keith~ 33:US ~31:63/254,488 ~32:11/10/2021

2024/00626 ~ Complete ~54:AUTOMATIC WELDING MACHINE FOR LONGITUDINAL FINNING OF PIPES
~71:CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI
"NAUKA I INNOVACII", ul. B. Ordynka, d. 24, et. 8, Russian Federation;JOINT-STOCK COMPANY

'MECHANICAL ENGINEERING PLANT "ZIO-PODOLSK";, ul. Zheleznodorozhnaya, d. 2 Podolsk, Russian Federation ~72: LEKSIKOV, Valentin Ivanovich;MOROZOV, Aleksandr Ivanovich;TEREHOV, Viktor Michailovich~ 33:RU ~31:2021138968 ~32:27/12/2021

2024/00631 ~ Complete ~54:GARBAGE DRYING AND INCINERATION DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JUNBIAO HE~ 33:CN ~31:2023116915758 ~32:11/12/2023

2024/00638 ~ Complete ~54:SINGLE STEEL STRUCTURE IN REAR PORTION OF CONTAINER TERMINAL AND MOUNTING METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HONGXIANG WANG~ 33:CN ~31:2023114931262 ~32:10/11/2023

2024/00646 ~ Complete ~54:AEROSOL GENERATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: VILJOEN, Ashley~ 33:GB ~31:2110560.6 ~32:22/07/2021

2024/00653 ~ Complete ~54:A CONSUMABLE FOR USE WITH AN AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: RICHARDSON, John~ 33:GB ~31:2111258.6 ~32:04/08/2021

2024/00658 ~ Complete ~54:CAPILLARY BLOOD COLLECTION DEVICE ~71:Becton, Dickinson and Company, 1 Becton Drive, FRANKLIN LAKES 07417, NJ, USA, United States of America ~72: ALTHOFF, Charles Peter;BOKKA SRINIVASA RAO, Kishore K.;TORRIS, Anthony V.;WENTZELL, Scott;YAKHNICH, Vlad~ 33:US ~31:63/216,268 ~32:29/06/2021

2024/00612 ~ Complete ~54:INTELLIGENT PICKING DEVICE FOR PLUM ORCHARDS ~71:Jiaxing Vocational and Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: HONG, Yanan;LI, Jun;LI, Yanbiao;LIU, Yang~

2024/00613 ~ Complete ~54:STIRRING DEVICE FOR PULPING TANK ~71:CHINA RAILWAY NO.5 ENGINEERING GROUP CO.,LTD., No.23 Zaoshan Road, Yunyan District, Guiyang, Guizhou, People's Republic of China;Central South University of Forestry and Technology, No.498 Shaoshan South Road, Changsha, Hunan, People's Republic of China ~72: Cong ZHANG;Ke OU;Yongyi LI;Zhenrong XIA;Zhenwei YAN~ 33:CN ~31:2024200216359 ~32:05/01/2024

2024/00619 ~ Complete ~54:LINK PREDICTION METHOD FOR COMPLEX NETWORKS BASED ON LINK VALUE ASSESSMENT ~71:Suzhou University, Xuefu Avenue, Education Park, Yongqiao District, Suzhou City, Anhui Province, People's Republic of China ~72: Qin Wenbo;Zhang Zhiwei~

2024/00634 ~ Complete ~54:DOCKING SYSTEM FOR DOCK CONTAINER TRANSPORTATION ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YINZHAN BAI~ 33:CN ~31:2023111490408 ~32:07/09/2023

2024/00642 ~ Complete ~54:HEAT-TRANSFER MODULE ~71:CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI "NAUKA I INNOVACII";, ul. #. Ordynka, d. 24, et. 8, Russian Federation;JOINT-STOCK COMPANY 'MECHANICAL ENGINEERING PLANT "ZIO-PODOLSK";, ul. Zheleznodorozhnaya, d. 2 Podolsk, Russian Federation ~72: NAYDEN, Ivan Viktorovich~ 33:RU ~31:2021138970 ~32:27/12/2021

2024/00645 ~ Complete ~54:TERPINEOL WITH CONTROLLED OPTICAL ROTATION FROM GUM TERPENTINE OIL AND PROCESS THEREOF ~71:HIMACHAL TEREPENE PRODUCTS PVT. LTD., KALA AMB, DISTRICT SIRMOUR, HIMACHAL PRADESH, 173030, India ~72: AKHIL MAHESHWARI~ 33:IN ~31:202111020017 ~32:01/05/2021

2024/00654 ~ Complete ~54:FIRE ENCLOSURE ~71:Viridian Solar Limited, 68 Stirling Way, Papworth Everard, CAMBRIDGE CB23 3GY, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: ADAMS, Thomas;ELMES, Stuart;TAN, Kok Thong~ 33:GB ~31:2109882.7 ~32:08/07/2021

2024/00610 ~ Complete ~54:FILTER DEVICE FOR PREVENTING BLOCKAGE OF GROUTING PUMP FOR SLURRY PREPARATION POOL ~71:CHINA RAILWAY NO.5 ENGINEERING GROUP CO.,LTD., No.23 Zaoshan Road, Yunyan District, Guiyang, Guizhou, People's Republic of China;Central South University of Forestry and Technology, No.498 Shaoshan South Road, Changsha, Hunan, People's Republic of China ~72: Cong ZHANG;Dongping ZHU;Zhenrong XIA;Zhenxing CAO~ 33:CN ~31:2024200098526 ~32:03/01/2024

2024/00616 ~ Complete ~54:ULTRAHIGH PRESSURE WATER JET SELF-ROTATING PIPELINE CLEANING NOZZLE ~71:LASTING TECHNOLOGY (SHENZHEN) CO., LTD, Room 101 building B, No. 43 Jiaoyu middle Road, Pingdi street, Yixin Community, Longgang District, Shenzhen, People's Republic of China ~72: CHEN, Shiwei;LI, Zhicheng~

2024/00624 ~ Complete ~54:COMPOSITIONS FOR EMBOLIZATION ~71:IBERHOSPITEX, S.A., Av. Catalunya 4, Spain ~72: LÓPEZ MOYA, Mario;RAMOS PÉREZ, Victor~ 33:EP ~31:21382685.2 ~32:26/07/2021

2024/00630 ~ Complete ~54:ANTI-COLLISION BUFFER PROTECTION DEVICE FOR WHARF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIANPENG HOU~ 33:CN ~31:2023107834874 ~32:29/06/2023

2024/00639 ~ Complete ~54:CAST-IN-PLACE PILE CONSTRUCTION DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HONGFENG XIONG~ 33:CN ~31:2023113370966 ~32:16/10/2023

2024/00661 ~ Provisional ~54:SMART SURVEILLANCE ALARM SECURITY SYSTEM ~71:OBAKENG MODISAOTSILE TABE, 1094 Sereko Street Montshioa, South Africa ~72: OBAKENG MODISAOTSILE TABE~

2024/00606 ~ Provisional ~54:HYDRAULIC SYSTEMS ~71:MORE, Rodney, 9 Kipling Road, Farrarmere, South Africa ~72: MORE, Rodney;MORE, Travis~

2024/00651 ~ Complete ~54:AEROSOL GENERATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: VILJOEN, Ashley~ 33:GB ~31:2110558.0 ~32:22/07/2021

2024/00607 ~ Provisional ~54:MOBILE INTERNET CAFE ~71:Matimba Garth Nyandane, 04 Hospital Street, South Africa ~72: Matimba Garth Nyandani~

2024/00611 ~ Complete ~54:SEEDLING CULTIVATION DEVICE ~71:WEI FANG SHI NONG YE KE XUE YUAN, No. 1921 Shengli East Street, Xincheng Street, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: CHU Wenhong;HAN Ruidong;KONG Xiangbin;LIU Feng;LIU Ying;YANG Hongguang;ZHANG Lianxiao~

2024/00614 ~ Complete ~54:A KIND OF HIGH EFFICIENT MULCHING FILM HOLE FIXING DEVICE FOR AGRICULTURAL PLANTING ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, No. 9 Donghua Road,

Fengyang, Anhui Province, 233100, People's Republic of China ~72: Bai Yunlei;Wang Xuan;Wen Xiaobo;Wu Guowei;Yuan Shudong;Zheng Qian~

2024/00621 ~ Complete ~54:MULTI-STAGE SHOCK ABSORPTION AND SEISMIC DEVICE FOR URBAN UNDERGROUND COMPREHENSIVE PIPE TUNNEL ~71:Hebei GEO University, No. 136 Huaian East Road, Yuhua District, Shijiazhuang City, Hebei Province, 050031, People's Republic of China ~72: Jianming LI;Muci YUE;Qingyao LI;Siru ZHANG;Song CHEN;Xiaohui JIA;Xingkuo WANG;Xiuling CAO;Yongkang HOU;Yucang DONG;Yunsheng GAO~ 33:CN ~31:2021114667383 ~32:03/12/2021

2024/00627 ~ Complete ~54:DREDGING CONSTRUCTION METHOD FOR HARBOR BASIN CHANNEL CONTAINING HYDROGEN SULFIDE SOIL ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YEQING YUE~ 33:CN ~31:2023114248529 ~32:31/10/2023

2024/00632 ~ Complete ~54:PILE FOUNDATION CONSTRUCTION DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: WENFENG ZHANG~ 33:CN ~31:2023114830168 ~32:08/11/2023

2024/00635 ~ Complete ~54:WELDING DEVICE FOR SITE CONSTRUCTION OF STEEL PIPE PILE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YANSONG SU~ 33:CN ~31:2023109162960 ~32:25/07/2023

2024/00640 ~ Complete ~54:ABUTMENT STRUCTURE AND CONSTRUCTION METHOD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: BIN CHEN~ 33:CN ~31:2023104306759 ~32:21/04/2023

2024/00644 ~ Complete ~54:METHOD OF PRODUCING CARBON-GRAPHITE PRODUCTS ~71:"LUCH RESEARCH AND PRODUCTION ASSOCIATION, RESEARCH AND DEVELOPMENT INSTITUTE, JOINTSTOCK COMPANY ("LUCH JSC"), ul. Zheleznodorozhnaya, 24 Moskovskaya oblast, Russian Federation;JOINT STOCK COMPANY "ROSENERGOATOM", ul. Ferganskaya, 25, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, kabinet 820, Russian Federation ~72: CHERKASOV, Alexandr Sergeevich;CHUMAK, Lesya Grigoryevna;FEDIN, Oleg Igorevich;LYSENKO, Evgeniy Konstantinovich;MARUSHKIN, Dmitriy Valeryevich~ 33:RU ~31:2021130743 ~32:21/10/2021

2024/00647 ~ Complete ~54:AEROSOL GENERATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid~ 33:GB ~31:2110557.2 ~32:22/07/2021

2024/00657 ~ Complete ~54:GRANULATE COMPOSITION COMPRISING NILOTINIB ~71:HELM AG, Nordkanalstrasse 28, HAMBURG 20097, GERMANY, Germany ~72: COSTA, Gustavo Franco;DREYER, Katja;SILVA, Gabriel Leitao~ 33:EP ~31:21180485.1 ~32:19/06/2021

- APPLIED ON 2024/01/19 -

2024/00684 ~ Complete ~54:THERAPEUTIC COMPOUNDS AND METHODS ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: ELISIA VILLEMURE;JESSICA MARIE GRANDNER;NERI AMARA;SAMANTHA ALYSON GREEN;STEVEN THOMAS STABEN;VISHVA M DIXIT~ 33:US ~31:63/222,288 ~32:15/07/2021

2024/00689 ~ Complete ~54:AEROSOL GENERATING COMPOSITION ~71:RAI Strategic Holdings, Inc., 401 North Main Street, WINSTON-SALEM 27101, NC, USA, United States of America ~72: CARAWAY, John Will;DAVIS, Michael F.;ROWE, Jennifer M.;ULRICH, John~ 33:US ~31:63/224,559 ~32:22/07/2021

2024/00704 ~ Complete ~54:DEVICE FOR MEASURING BENDING OF AN EXTENDED VERTICALLY DIRECTED CHANNEL ~71:JOINT STOCK COMPANY "N.A. DOLLEZHAL RESEARCH AND DEVELOPMENT INSTITUTE OF POWER ENGINEERING", ul. Malaya Krasnosel'skaya, 2/8, Russian Federation;JOINT STOCK COMPANY "ROSENERGOATOM", ul. Ferganskaya, 25, Russian Federation;OBSHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "PROLOG", pr. Lenina, 85B Kaluzhskaya oblast', Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, kabinet 820, Russian Federation ~72: FEDOROV, Artyom Nikolaevich;PODOSINNIKOV, Alexandr Alexandrovich;STEPANOV, Maksim Alekseevich~ 33:RU ~31:2021128441 ~32:29/09/2021

2024/00670 ~ Complete ~54:FLOW GUIDE STRUCTURE ~71:Changjiang River Scientific Research Institute, Changjiang Water Resources Commission, No. 23 Huangpu Street, Jiang'an District, Wuhan City, Hubei Province, 430010, People's Republic of China ~72: CHEN, Xiaojiang;CHENG, Zibing;DAI, Xiwu;DING, Zhiyu;DONG, Jing;HAN, Songlin;JIANG, Zhibing;LI, Xuehai;LU, Hong;REN, Kunjie;YANG, Wei~ 33:CN ~31:202311614691X ~32:28/11/2023

2024/00666 ~ Complete ~54:ONLINE TRANSLATION METHOD AND SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DAI Bojun;GUO Lulu;JIA Junli;RUAN Xiaoxue;ZHANG Xiangyu;ZHAO Junwei~

2024/00683 ~ Complete ~54:COMPRESSOR ASSEMBLY COMPRISING A MOTOR DRIVING ONE OR MORE COMPRESSOR ROTORS AND METHOD FOR FABRICATING A HOUSING PART OF SUCH A COMPRESSOR ASSEMBLY. ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: FLIP FRANS MATHYS;THOMAS LUC SWERTS~ 33:BE ~31:BE2021/5642 ~32:12/08/2021;33:BE ~31:BE2022/5229 ~32:30/03/2022

2024/00690 ~ Complete ~54:NOVEL COMPOUNDS AND THEIR USE ~71:Debiopharm International S.A., Forum "après-demain", Chemin Messidor 5-7, LAUSANNE 1006, SWITZERLAND, Switzerland ~72: BERMAN, Judd;BRAVO, Juan;FINN, Terry;GERUSZ, Vincent;PAULS, Heinz~ 33:EP ~31:21181117.9 ~32:23/06/2021

2024/00699 ~ Complete ~54:ANTI-ITCH SCAR MANAGEMENT PRODUCTS, PROCESS OF MANUFACTURE AND USEFUL ARTICLES THEREOF ~71:Bio Med Sciences, Inc., 999 Postal Road, ALLENTOWN 18109, PA, USA, United States of America ~72: DILLON, Mark E.~ 33:US ~31:63/213,648 ~32:22/06/2021

2024/00700 ~ Complete ~54:INTERACTIVE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick;SUTTON, Joseph Peter~ 33:GB ~31:2110921.0 ~32:29/07/2021

2024/00662 ~ Provisional ~54:TREE PLANTING ARRANGEMENT ~71:Donovan GILLMAN, P.O. Box 225, South Africa ~72: Donovan GILLMAN~

2024/00664 ~ Provisional ~54:JUST-BLUETOOTH ~71:Kagiso Mashigo, Mamelodi No.10212 Cnr Aphane Nhlapo & Ben Masilela, Khalambazo, South Africa ~72: Kagiso Mashigo~

2024/00697 ~ Complete ~54:TRIFUNCTIONAL PROCESSES IN CATALYTIC DISTILLATION ~71:Lummus Technology LLC, 5825 North Sam Houston Parkway West, Suite 600, HOUSTON 77086, TX, USA, United States of America ~72: BARIAS, Rosette;CHEN, Liang~ 33:US ~31:63/223,614 ~32:20/07/2021

2024/00695 ~ Complete ~54:COMPOSITIONS AND METHODS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: STROPHAIR, Oriol;VILJOEN, Ashley~ 33:GB ~31:2110556.4 ~32:22/07/2021

2024/00687 ~ Complete ~54:PIPE FOR TRANSPORTING FLUIDS WITH CONTROL OF THE BUCKLING OF THE INTERNAL ANTI-CORROSION LINER ~71:Saipem S.A., 1/7 avenue San Fernando, MONTIGNY LE BRETONNEUX 78180, FRANCE, France ~72: DELAPLACE, Thomas;GOURIOU, Morgan;HALLOT, Raymond~ 33:FR ~31:2107956 ~32:22/07/2021

2024/00675 ~ Complete ~54:FORMULATIONS OF FACTOR VIII CHIMERIC PROTEINS AND USES THEREOF ~71:BIOVERATIV THERAPEUTICS INC., 225 Second Avenue, Waltham, Massachusetts, United States of America ~72: CARLAGE, Tyler;MAULDIN, Randall;MCCOY, Timothy R.;TAZI, Loubna Mzaalak~ 33:US ~31:63/214,245 ~32:23/06/2021;33:US ~31:63/214,246 ~32:23/06/2021;33:US ~31:63/214,752 ~32:24/06/2021;33:US ~31:63/231,909 ~32:11/08/2021

2024/00676 ~ Complete ~54:IMPROVED CRISPR-CAS TECHNOLOGIES ~71:SHERLOCK BIOSCIENCES, INC., 200 Talcott Ave. First Floor, Watertown, Massachusetts, United States of America ~72: BLAKE, William Jeremy;MANNING, Brendan, John;RAMESH, Pradeep~ 33:US ~31:63/225,802 ~32:26/07/2021

2024/00678 ~ Complete ~54:AUTOMATIC HIGH-POWER ELECTRICAL ENERGY STORAGE SYSTEMS AND MANAGEMENT METHODS ~71:WRIGHT ENERGY STORAGE TECHNOLOGIES, INC., 172 Crosby St. Ste. 8C, United States of America ~72: DE JONG, William~ 33:US ~31:63/222,971 ~32:17/07/2021

2024/00692 ~ Complete ~54:WALL PANEL ~71:Eekowall Unlimited, 5 Beauchamp Court, Victors Way, Barnet, LONDON EN5 5TZ, UNITED KINGDOM, United Kingdom ~72: PLATT, Derek;REILLY, Michael~ 33:GB ~31:2109233.3 ~32:25/06/2021

2024/00688 ~ Complete ~54:A NOVEL KIT FOR RADIOPHARMACEUTICAL PREPARATION OF A RADIOMETAL LABELED CHELATE-FUNCTIONALIZED TARGETING CONJUGATE ~71:Life Molecular Imaging Limited, Icen Centre, Warwick Technology Park, Gallows Hill, WARWICK CV34 6DA, UNITED KINGDOM, United Kingdom ~72: BERNDT, Mathias;SCHIEFERSTEIN, Hanno;ZERNA, Marion~ 33:EP ~31:21182551.8 ~32:29/06/2021

2024/00698 ~ Complete ~54:INTERACTIVE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick~ 33:GB ~31:2110914.5 ~32:29/07/2021

2024/00663 ~ Provisional ~54:BANKS CASHSEND UPGRADE SYSTEM ~71:Mantu Babedi, 521 RANTSOE STREET, Soshanguvhe block uu, South Africa ~72: BANKS CASHSEND UPGRADE SYSTEM~ 33:ZA ~31:1 ~32:18/01/2024

2024/00668 ~ Complete ~54:LIVER FIBROSIS CELL MODEL AND CONSTRUCTION METHOD AND APPLICATION THEREOF ~71:Anhui Medical College, 632 Furong Road, Hefei City, Anhui Province, 230601, People's Republic of China ~72: CHEN, Jin;CHEN, Zizheng;LIU, Jiachen;PAN, Ying;TIAN, Pingping;YANG, Kai~

2024/00682 ~ Complete ~54:STRENGTH ENHANCING ADMIXTURE FOR LOW-CARBON CEMENTITIOUS COMPOSITIONS ~71:MAPEI S.P.A., Via Cafiero, 22, 20158, Milan, Italy ~72: FABIO CASTIGLIONI;GIORGIO FERRARI;MARCO SQUINZI;PIERO CORBO~ 33:EP ~31:21184949.2 ~32:12/07/2021

2024/00691 ~ Complete ~54:WALL PANEL ~71:Eekowall Unlimited, 5 Beauchamp Court, Victors Way, Barnet, LONDON EN5 5TZ, UNITED KINGDOM, United Kingdom ~72: PLATT, Derek;REILLY, Michael~ 33:GB ~31:2109232.5 ~32:25/06/2021

2024/00665 ~ Complete ~54:ANTI-DEPRESSION PHARMACEUTICAL COMPOSITION AND APPLICATION THEREOF ~71:Chongqing Academy of Chinese Materia Medica, No.34, Nanshan Road, Huangjueya, Nan'an District, Chongqing, 400061, People's Republic of China ~72: HUANG Sixing;JIANG Xue;LUO Chaoli;LUO Jinping;QIANG Zhe;WANG Min;WU Silan;ZHANG Ping~

2024/00677 ~ Complete ~54:A PROCESS FOR PREPARATION OF ISOXAZOLE COMPOUND ~71:UPL LIMITED, UPL House, 610 B/2, Bandra Village, Off Western Express Highway, India ~72: ANPAT, Shrikant Muqutrao;GANDHALE, Sopan Nagnath;KINI, Prashant Vasant~ 33:IN ~31:202121043421 ~32:24/09/2021

2024/00693 ~ Complete ~54:WALL PANEL ~71:Eekowall Unlimited, 5 Beauchamp Court, Victors Way, Barnet, LONDON EN5 5TZ, UNITED KINGDOM, United Kingdom ~72: PLATT, Derek;REILLY, Michael~ 33:GB ~31:2111142.2 ~32:02/08/2021

2024/00669 ~ Complete ~54:AN ENVIRONMENTALLY FRIENDLY HYDRAULIC DAM DEVICE ~71:East China University of Technology, 418 Guanglan, Nanchang, Jiangxi province, People's Republic of China ~72: Chen Jun;Cui Meng;Guo Jianglong;Huang Lihua;Li Mingdong;Ouyang Tianyu;Zhu Yating~ 33:CN ~31:202311526066X ~32:16/11/2023

2024/00679 ~ Complete ~54:DIMETHYL-SUBSTITUTED THIAZOLACTAM COMPOUND AND USE THEREOF ~71:D3 BIO (WUXI) CO., LTD., Room 324, 88 MeiLiang Road, MaShan Street, BinHu District Wuxi, Jiangsu, 214092, People's Republic of China ~72: CHENGDE WU;NING LIU;SHUHUI CHEN;TAO YU;YI LI~ 33:CN ~31:202110723288.5 ~32:28/06/2021;33:CN ~31:202111669920.9 ~32:31/12/2021;33:CN ~31:202210693547.9 ~32:17/06/2022

2024/00705 ~ Complete ~54:METHOD OF MEASURING BENDING OF A NUCLEAR REACTOR FUEL CHANNEL ~71:JOINT STOCK COMPANY "N.A. DOLLEZHAL RESEARCH AND DEVELOPMENT INSTITUTE OF POWER ENGINEERING", ul. Malaya Krasnosel'skaya, 2/8, Russian Federation;JOINT STOCK COMPANY "ROSENERGOATOM", ul. Ferganskaya, 25, Russian Federation;OBSHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "PROLOG", pr. Lenina, 85B Kaluzhskaya oblast, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, kabinet 820, Russian Federation ~72: FEDOROV, Artyom Nikolaevich;PODOSINNIKOV, Alexandr Alexandrovich;STEPANOV, Maksim Alekseevich~ 33:RU ~31:2021128446 ~32:29/09/2021

2024/00672 ~ Complete ~54:A METHOD AND APPLICATION OF IN-SITU PREPARATION OF TIC-LOADED PT₃TI INTERMETALLIC COMPOUNDS IN A LIQUID PHASE ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, Donghua Road, Fengyang County, People's Republic of China ~72: BAI Lei;LI Zirong;SHAN Mengtao;YANG Han;ZHANG Lei;ZHANG Lijie;ZHANG, Bentian;ZHOU Xinyu~

2024/00703 ~ Complete ~54:HIGH-TEMPERATURE DENSE COMPOSITE NUCLEAR FUEL MATERIAL AND METHOD OF ITS PRODUCTION ~71:"LUCH RESEARCH AND PRODUCTION ASSOCIATION, RESEARCH AND DEVELOPMENT INSTITUTE, JOINTSTOCK COMPANY ("LUCH JSC"), ul. Zheleznodorozhnaya, 24 Moskovskaya oblast, Russian Federation;JOINT STOCK COMPANY

"ROSENERGOATOM", ul. Ferganskaya, 25, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, street B. Ordynka, 24, etazh 8, kabinet 820, Russian Federation ~72: BAKHIN, Andrey Nikolaevich;BESPECHALOV, Boris Nikolaevich;KISELEV, Dmitry Sergeevich;KOTOV, Alexander Yur'evich;REPNIKOV, Vladimir Mikhaylovich;VISHNEVSKIY, Vjacheslav Yur'evich~ 33:RU ~31:2021136719 ~32:13/12/2021

2024/00680 ~ Complete ~54:THIAZOLE-LACTAM-SPIROHETEROCYCLIC COMPOUNDS AND APPLICATIONS THEREOF ~71:D3 BIO (WUXI) CO., LTD., Room 324, 88 MeiLiang Road, MaShan Street, BinHu District Wuxi, Jiangsu, 214092, People's Republic of China ~72: CHENGDE WU;NING LIU;SHUHUI CHEN;TAO YU;YI LI~ 33:CN ~31:202110722003.6 ~32:28/06/2021;33:CN ~31:202111673614.2 ~32:31/12/2021;33:CN ~31:202210693548.3 ~32:17/06/2022

2024/00696 ~ Complete ~54:RECOMBINANT MYCOBACTERIUM AS AN IMMUNOTHERAPEUTIC AGENT FOR THE SECOND-LINE THERAPY OF BLADDER CARCINOMA ~71:Serum Institute of India Ltd., 212/2, Off Soli Poonawalla Road, Hadapsar, PUNE 411028, MAHARASHTRA, INDIA, India;Serum Life Science Europe GmbH, Ahrensburger Strasse 1, HANNOVER 30659, GERMANY, Germany ~72: GRODE, Leander~ 33:EP ~31:21187253.6 ~32:22/07/2021;33:US ~31:63/224,575 ~32:22/07/2021;33:US ~31:17/667,784 ~32:09/02/2022

2024/00686 ~ Complete ~54:NOVEL SINGLE DOMAIN ANTIGEN BINDING MOLECULES AND THEIR USES ~71:PROVIREX GENOME EDITING THERAPIES GMBH, Start-Up Labs Bahrenfeld Luruper Hauptstrasse 1, Germany ~72: BESCHORNER, Niklas;HAMANN, Martin;HAUBER, Joachim;KAISER, Philipp;KNEILLING, Manfred;PICHLER, Bernd;ROTHBAUER, Ulrich;SONANINI, Dominik;TRAENKLE, Bjoern~ 33:EP ~31:21182579.9 ~32:29/06/2021

2024/00667 ~ Complete ~54:UPLINK CONTROL INFORMATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LIU, Hao;MASO, Marco;NHAN, Nhat-Quang;TOSATO, Filippo~

2024/00674 ~ Complete ~54:A PORTABLE BLOOD GLUCOSE DETECTOR FOR ENDOCRINOLOGY DEPARTMENT ~71:THE PEOPLE'S HOSPITAL OF HANSHAN COUNTY, Intersection of Changshan Road and Xianzong Road, Hanshan County, Maanshan City, People's Republic of China ~72: CHEN, Tian~

2024/00702 ~ Complete ~54:ELECTROLYTE SOLUTIONS AND ALL-VANADIUM REDOX FLOW BATTERIES ~71:SUZHOU RONGKE POWER CO., LTD., No. 1801, Pangjin Road, Jiangling Community, Wujiang District, People's Republic of China ~72: GAO, Xinliang;JIANG, Shan;LI, Siyi;SONG, Mingming;WANG, Shiyu~ 33:CN ~31:202211446542.2 ~32:18/11/2022

2024/00673 ~ Complete ~54:A WATERPROOF AND HEAT-RESISTANT TILE ADHESIVE ~71:GUANGDONG MEIZHOU QUALITY & METROLOGY SUPERVISION AND TESTING INSTITUTION, 135 South Binfang Avenue, Meijiang District, Meizhou City, People's Republic of China ~72: CHEN, Jiaxin;CHEN, Weike;TANG, Yongxue;XIE, Zhengfen~

2024/00681 ~ Complete ~54:CONJUGATES COMPRISING PHOSPHOANTIGENS AND THEIR USE IN THERAPY ~71:BYONDIS B.V., Microweg 22, 6545 CM, Nijmegen, Netherlands ~72: DENNIS CHRISTIAN JOHANNES WAALBOER;RONALD CHRISTIAAN ELGERSMA~ 33:EP ~31:21182160.8 ~32:28/06/2021

2024/00694 ~ Complete ~54:COMPOSITIONS COMPRISING A CONSTITUENT, DERIVATIVE OR EXTRACT OF CANNABIS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ALDERMAN, Steven L.;CARAWAY, John;DANIEL, Michael S.;DAVIES,

Ashley;HAWKE, Jenni;MCQUILLAN, Karina;POOLE, Thomas;TALUSKIE, Karen;TANG, Kai;WILBERDING, Kathryn L.;XU, Keyi~ 33:US ~31:63/224,589 ~32:22/07/2021

2024/00685 ~ Complete ~54:A BICYCLE RACK FOR A VEHICLE ~71:ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD, 46 Eden Park Drive, Mkondeni, South Africa ~72: JOUBERT, Jozua Hermanus;VOSS, Michael~ 33:ZA ~31:2021/05329 ~32:28/07/2021

2024/00671 ~ Complete ~54:FASTENING DEVICE ~71:VAN BERGEN, Duane, 176 Outeniqua St, Pomona AH, South Africa ~72: VAN BERGEN, Duane~ 33:ZA ~31:2022/11475 ~32:20/10/2022

2024/00701 ~ Complete ~54:SUBSTRATE WITH MULTIPLE AEROSOL FORMING MATERIALS FOR AEROSOL DELIVERY DEVICE ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, United Kingdom ~72: FLYNN, Steven D.;MONSALUD, Luis;MUA, John Paul~ 33:US ~31:17/363,818 ~32:30/06/2021

- APPLIED ON 2024/01/22 -

2024/00768 ~ Provisional ~54:NON-INTRUSIVE INLINE AC TO DC CONVERTER COUPLING ADAPTER FOR USE IN ARCHITECTURAL STRUCTURES ~71:Christopher Mel Steyn, 3 Mkhize Road, South Africa ~72: Christopher Mel Steyn~

2024/00709 ~ Provisional ~54:DIGITAL FARMING METHOD AND SYSTEM FOR SMALL SCALE FARMERS ~71:FERREIRA, Marcelle, 3 Jacaranda Avenue, Protea Park, South Africa ~72: FERREIRA, Marcelle~

2024/00712 ~ Complete ~54:SELECTION METHOD AND APPLICATION OF BROADLY AFFINE DUAL-PURPOSE NUCLEAR STERILE LINES WITH LOW FERTILE STARTING TEMPERATURES IN RICE ~71:INSTITUTE OF FOOD AND CROPS OF THE ACADEMY OF AGRICULTURAL SCIENCES OF YUNNAN PROVINCE, No. 2238, Beijing Road, Panlong District, Kunming City, People's Republic of China ~72: Hua AN;Jianhua ZHANG;Liping YANG;Sheping LI;Wei DENG;Xiaolin LI;Ying LV;Yuran XU~ 33:CN ~31:2023102717658 ~32:20/03/2023

2024/00718 ~ Complete ~54:APPLICATION OF CAMPHOR TREE EXTRACT TO INHIBITION OF ACTIVITY OF XANTHINE OXIDASE AND TYROSINASE ~71:Institute of Biological Resources, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: HUANG, Jiangli;MAO, Chunxia;SHENG, Ping;WANG, Dongsheng;ZHANG, Guohua;ZHANG, Zhihong~

2024/00727 ~ Complete ~54:METHOD FOR PREDICTING THE ASSOCIATION BETWEEN CIRC RNA AND MIRNA, DEVICE AND MEDIUM ~71:Guangxi Academy of Sciences, No. 98 Daling Road, Nanning, Guangxi, People's Republic of China;Zaozhuang University, No.1 Bei#39;an Road, Zaozhuang, Shandong, People's Republic of China ~72: Guo LuXiang;Huang LiGuang;Wang Lei~ 33:CN ~31:202310654101X ~32:01/06/2023

2024/00730 ~ Complete ~54:OCEAN MICROPLASTICS COLLECTOR ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Changxing;KANG Haiyan;LI Songya;LIU Biao;MAO Yanli;WANG Linpei;WU Junfeng~

2024/00735 ~ Complete ~54:CELL COUNTING AND FLUORESCENCE-ACTIVATED CELL SORTER DEVICE ~71:North Sichuan Medical College, No. 55, Dongshun Road, Gaoping District, Nanchong City, Sichuan Province, 637100, People's Republic of China ~72: Jingyi He;Wei Chen;Xiaojie Liu~

2024/00747 ~ Complete ~54:ENVIRONMENTAL-FRIENDLY PROCESS FOR THE TREATMENT OF WASTEWATER ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium;UNIVERSITEIT GENT, Sint-

Pietersnieuwstraat 25, 9000, Gent, Belgium ~72: KORNEEL RABAEY;PIETER OSTERMEYER;TOM HENNEBEL~ 33:EP ~31:21181218.5 ~32:23/06/2021

2024/00758 ~ Complete ~54:INCORPORATION OF ALGINATE INTO FERTILIZER FOR QUALITY AND AGRONOMICAL BENEFITS ~71:The Mosaic Company, 101 East Kennedy Blvd., Suite 2500, TAMPA 33602, FL, USA, United States of America ~72: LIGHT, Jerri;RICHARDS, Addison;SHULTZ, Murray~ 33:US ~31:63/214,244 ~32:23/06/2021

2024/00763 ~ Complete ~54:MICROBIOCIDAL PYRAZOLE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BONVALOT, Damien;BRUNOT, Guillaume;EDMUNDS, Andrew;FINKBEINER, Peter;GROSHEVA, Daria;JUNG, Pierre Joseph Marcel;POULIOT, Martin;SCARBOROUGH, Christopher Charles;SUESSE, Lars;WILLIAMS, Simon~ 33:EP ~31:21189099.1 ~32:02/08/2021;33:EP ~31:22154772.2 ~32:02/02/2022

2024/00715 ~ Complete ~54:ENERGY-SAVING WATER DRAINAGE DEVICE AND METHOD AT REVERSE SLOPE CONSTRUCTION STAGE OF LONG AND LARGE TUNNEL IN MOUNTAINOUS AND HILLY AREA ~71:CHINA RAILWAY FIRST GROUP CO., LTD, No. 1, Yanta North Road, Beilin District, Xi 'an, People's Republic of China;CHINA RAILWAY FIRST GROUP FOURTH ENGINEERING CO., LTD, 8 Yuquan West Road, Qindu District, Xianyang City, People's Republic of China ~72: CHEN, Chunwei;CHEN, Deyong;DANG, Yansheng;DU, Liang;GUAN, Depeng;HU, Wei;JI, Yanfei;JIANG, Changli;LI, Jianfeng;WU, Huihuo;ZOU, Chao~ 33:CN ~31:2023112012259 ~32:16/09/2023

2024/00717 ~ Complete ~54:SUSTAINED-RELEASE MICROCAPSULE OF PINE NEEDLE VOLATILE OIL AND PREPARATION METHOD THEREOF ~71:Chengde Longhong Biotechnology Co., Ltd., (No. 61, Pingquan Economic Development Zone), Bajia Community, Wolong Town, Pingquan City, Chengde City, Hebei Province, 067500, People's Republic of China ~72: TIAN, Rui;WANG, Yanjun;YANG, Ziyong;ZHANG, Xinyuan;ZHU, Bolang~ 33:CN ~31:2023117675022 ~32:21/12/2023

2024/00722 ~ Complete ~54:A DIGITAL WORKSHOP MANAGEMENT AND MONITORING DEVICE AND SYSTEM FOR GARMENT PROCESSING ~71:Haiyan Kaida Textile New Materials Co., Ltd., No. 2683, Lenggang Road, Wuyuan Street, Haiyan County, Jiaxing City, Zhejiang Province, 314300, People's Republic of China;Jiaxing Vocational and Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Wentao Jin;Xiaoyan Miao~

2024/00729 ~ Complete ~54:A METHOD FOR PREPARING BLACK GINSENG WITH INCREASED GINSENOSE CONTENT ~71:Guangdong Pharmaceutical University, No.40 Guanghazhi Street, Baogang, Haizhu District, Guangzhou City, Guangdong Province, People's Republic of China ~72: Han Hongliang;He Xin;Ji Ruifeng~ 33:CN ~31:202410032939X ~32:10/01/2024

2024/00734 ~ Complete ~54:A BROADBAND SWITCHABLE TERAHERTZ ABSORBER BASED ON GRAPHENE AND VANADIUM DIOXIDE COMPOSITE SUPER SURFACE ~71:CHUZHOU UNIVERSITY, No.1 Huifeng West Road, Nanqiao District, Chuzhou City, Anhui Province, People's Republic of China ~72: Hu Dan;Li Yaqin;Shang Hongwei;Wang Hongyan;Yang Gui~

2024/00753 ~ Complete ~54:METHOD FOR PREPARING HIGH-PURITY PHOSPHORUS PENTAFLUORIDE ~71:FUJIAN DEXU NEW MATERIALS CO., LTD, 71 XINCUN ROAD, People's Republic of China ~72: HUANG, Fuliang;LIU, Wentong;LUO, Zhaohua~ 33:CN ~31:202310248056.8 ~32:15/03/2023

2024/00755 ~ Complete ~54:SEED UNIT COMPRISING PLANT CHARCOAL AND POLYMERIC SUPERABSORBENT ~71:Schierbecker Handels GmbH & Co. KG, Stellmacher Weg 2, FELDE 24242,

GERMANY, Germany ~72: SCHIERBECKER, Torben~ 33:DE ~31:10 2021 116 842.2 ~32:30/06/2021;33:DE ~31:10 2022 104 125.5 ~32:22/02/2022

2024/00738 ~ Complete ~54:AIML SMART VERTIPOINT IN A BOX AUTONOMOUS MULTIMODAL PHYSICAL AND DIGITAL INFRASTRUCTURE ~71:Michele DiCosola, 360 W Schick Road, Suite 23, Bloomington, ILLINOIS, 60108, United States of America ~72: Michele DiCosola~ 33:US ~31:18461843 ~32:06/09/2023

2024/00744 ~ Complete ~54:EMULSION ANTIPERSPIRANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CAMERON KAY;CRAIG JAMES LUCKWELL~ 33:EP ~31:21184310.7 ~32:07/07/2021

2024/00754 ~ Complete ~54:CONTROL SYSTEM AND METHOD FOR ULTRASOUND-INDUCED HEXAFLUOROPHOSPHATE CRYSTALLIZATION ~71:FUJIAN LONGDE NEW ENERGY CO., LTD, NO. 30 GONGYE ROAD, People's Republic of China ~72: DAI, Haoxiang;XIE, Guangming;ZHANG, Yongyan~ 33:CN ~31:202310178512.6 ~32:28/02/2023

2024/00737 ~ Complete ~54:COUPLING HAVING SEAL WITH RETRACTING CENTER LEG ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, United States of America ~72: BANCROFT, Philip Wayne~ 33:US ~31:62/514,229 ~32:02/06/2017

2024/00739 ~ Complete ~54:8-OXO-3-AZABICYCLO[3.2.1]OCTANE COMPOUND OR SALT THEREOF, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:LITDD MEDICINES LTD, Room 401, Building 4, No. 88 Jiangling Rd, Xixing Street, Binjiang District Hangzhou, People's Republic of China ~72: CHEN, Wyatt Wei;CHENG, Yaobang;HUANG, Yafei;WANG, Yonghui;ZHOU, Juan~ 33:CN ~31:202110860428.3 ~32:27/07/2021;33:CN ~31:202210779302.8 ~32:01/07/2022

2024/00752 ~ Complete ~54:FLUID CIRCULATION REACTION CONTROL SYSTEM AND METHOD FOR LITHIUM HEXAFLUOROPHOSPHATE PREPARATION ~71:FUJIAN LONGDE NEW ENERGY CO., LTD, 30 GONGYE ROAD, People's Republic of China ~72: FU, Weipeng;FU, Yanqiong;LIU, Ting~ 33:CN ~31:202310178520.0 ~32:28/02/2023

2024/00740 ~ Complete ~54:A CALIFORNIA PERCH BREEDING DEVICE AND A BREEDING METHOD ~71:TONGWEI AGRICULTURAL DEVELOPMENT CO., LTD., No. 588, Middle Section of Tianfu Avenue, High-tech Zone, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: Chunyu Xue;Haifeng Mi;Heng Yin;Lu Zhang;Tao Teng~ 33:CN ~31:202310483894.3 ~32:28/04/2023

2024/00743 ~ Complete ~54:PHYTOSANITARY COMBINATIONS COMPRISING CARVACROL, COMPOSITIONS AND THEIR USE ~71:SIPCAM OXON S.P.A., Via Carroccio, 8, Italy ~72: Alessandra FRATANGELI;Claudio DACARRO;Elisa GALIMBERTI;Francesca BORGIO;Giovanni POZZI;Pietro QUERZOLA;Stefano CIANNAMEA~ 33:IT ~31:102021000021707 ~32:10/08/2021

2024/00756 ~ Complete ~54:METHOD FOR THE SAFE OPERATION OF A RAIL TRANSPORT SYSTEM, AND RAIL TRANSPORT SYSTEM ~71:PRODES GmbH, Leopold-Ungar-Platz, 2/4/2.OG/424, WIEN 1190 , AUSTRIA, Austria ~72: SCHUSTER, Gottfried;SCHUSTER, Wolfgang;WILCZEK, Krzysztof~ 33:AT ~31:A50578/2021 ~32:15/07/2021

2024/00762 ~ Complete ~54:DETERGENT COMPOSITION COMPRISING DETERGENT SURFACTANT AND GRAFT POLYMER ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BEAN, Jessica Eleanor;BECKER, Natalia;BENLAHMAR, Ouidad;BUECHSE, Andreas;DEL REGNO, Annalaura;FLECKENSTEIN, Peter Joachim;GORCZYNSKA-

COSTELLO, Katarzyna;HUELSKOETTER, Frank;MCLUCKIE, Kate Moira;MUELLER, Jan Ole;SETTELS, Volker;SI, Gang~ 33:EP ~31:21191154.0 ~32:12/08/2021

2024/00764 ~ Complete ~54:INTERACTIVE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick~ 33:GB ~31:2110917.8 ~32:29/07/2021

2024/00706 ~ Provisional ~54:SEAT BELT DETECTOR SYSTEM ~71:Manelisi Shabalala, A436 Ezakheni Mpofu Street, South Africa ~72: Manelisi Shabalala~ 33:ZA ~31:4761 ~32:19/01/2024

2024/00716 ~ Complete ~54:APPLICATION OF RECOMBINANT PROTEIN RV3921C OF MYCOBACTERIUM TUBERCULOSIS IN PREPARATION OF TUBERCULOSIS VACCINE ~71:PLA NAVY MEDICAL UNIVERSITY, No. 800, Xiangyin Road, Yangpu District, People's Republic of China ~72: TIAN, Yini;ZHANG, Dongmei;ZHANG, Yilong;ZHOU, Fangbin~ 33:CN ~31:202311826045X ~32:27/12/2023

2024/00726 ~ Complete ~54:PIG DISEASE PREDICTION SYSTEM ASSISTED BY MACHINE VISION TECHNOLOGY ~71:Anhui Science And Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: BAI, Yunlei;QIAO, Yinhu;ZHANG, Chunyan;ZHOU, Yudie~

2024/00731 ~ Complete ~54:CONTINUOUS PREPARATION DEVICE FOR POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER AND METHOD FOR PREPARING POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: FENG, Qiao;LIANG, Banglei;TAN, Yanfang;ZHANG, Kuangbin;ZHAO, Yaqi;ZHAO, Zhenxin~

2024/00733 ~ Complete ~54:METHOD FOR PREDICTING ELECTRICAL LIFE OF ALTERNATING CURRENT CONTACTOR ON BASIS OF LONG SHORT-TERM MEMORY NEURAL NETWORK ~71:Shenyang University of Technology, No. 111 Shenliao West Road, Shenyang Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: LIU, Shuxin;LIU, Yang~

2024/00736 ~ Complete ~54:INSTALLATION STRUCTURE SUITABLE FOR STANDING SEAM METAL ROOF AND INSTALLATION METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LIMITED, NO. 9, CHUNXIU ROAD, People's Republic of China ~72: HE, Junbiao;LAI, Lichang;LI, Xingfu;SU, Jianmu;XIE, Wei;XU, Qingyun;YIN, Changquan;ZHAO, Gaoyu~ 33:CN ~31:202311166604.9 ~32:11/09/2023

2024/00742 ~ Complete ~54:PYRROLOPYRIDONE DERIVATIVES USEFUL IN THE TREATMENT OF CANCER ~71:TAY THERAPEUTICS LIMITED, DUNDEE UNIVERSITY INCUBATOR, 3 JAMES LINDSAY PLACE, DUNDEE DD1 5JJ, UNITED KINGDOM, United Kingdom ~72: BELL, Mark;WOODLAND, Christopher, Andrew~ 33:GB ~31:2109324.0 ~32:29/06/2021;33:GB ~31:2208160.8 ~32:01/06/2022

2024/00748 ~ Complete ~54:BETA-CATENIN (CTNNB1) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: AKIN AKINC;JEFFREY ZUBER~ 33:US ~31:63/224,901 ~32:23/07/2021;33:US ~31:63/293,851 ~32:27/12/2021

2024/00757 ~ Complete ~54:ROCK2 INHIBITORS AND USES THEREOF ~71:President and Fellows of Harvard College, 17 Quincy Street, CAMBRIDGE 02138, MA, USA, United States of America;Trustees of Boston University, One Silber Way, BOSTON 02215, MA, USA, United States of America ~72: CHEN, Christopher S.;MOORE, Joel D.~ 33:US ~31:63/225,695 ~32:26/07/2021;33:US ~31:63/346,144 ~32:26/05/2022

2024/00766 ~ Complete ~54:PROCESSES FOR DEHYDROGENATING ALKANES AND ALKYL AROMATIC HYDROCARBONS ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying;CLAY, Russell T.;DIAZ URRUTIA, Christian A.;KUECHLER, Keith H.;MADUSKAR, Saurabh S.;SHARMA, Arun K.~ 33:US ~31:63/231,939 ~32:11/08/2021;33:US ~31:63/328,935 ~32:08/04/2022

2024/00708 ~ Provisional ~54:MODIFIED WASTE PLASTIC BITUMEN MIXTURE FOR ASPHALT AND PROCESS FOR PRODUCTION THEREOF ~71:CSIR, Scientia, Meiring Naude Road, Brummeria, Pretoria, 0184, South Africa ~72: GEORGE AKIM MTURI;TLADI GIDEON MOFOKENG;VINCENT OMONDI OJJO~

2024/00713 ~ Complete ~54:IMMEDIATE ROCKBURST TENDENCY GRADE DISCRIMINATION METHOD ~71:UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, 30 Xueyuan Road, Haidian District, People's Republic of China ~72: CHANG, Ningdong;LI, Conghao;LIU, Zejing;MA, Yuankai;MA, Yuting;MIAO, Shengjun;ZHAO, Ziqi~

2024/00719 ~ Complete ~54:APPLICATION OF CAMPHOR TREE EXTRACT IN INHIBITION OF ACTIVITY OF GLYCOSIDE HYDROLASE ~71:Institute of Biological Resources, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: HUANG, Jiangli;MAO, Chunxia;SHENG, Ping;WANG, Dongsheng;ZHANG, Guohua;ZHANG, Zhihong~

2024/00724 ~ Complete ~54:BACKGROUND WALL DECORATIVE WINDOW ~71:Yi Shi, No.46 Shixiang, Gaoying Village, Huaiwei Town, Longzihu District, Bengbu, Anhui, People's Republic of China ~72: Yi Shi~ 33:CN ~31:202420032658X ~32:08/01/2024

2024/00728 ~ Complete ~54:COMPOSITIONS ~71:MEXICHEM FLUOR S.A. DE C.V., Eje 106 (sin Número), Zona Industrial, Mexico ~72: LOW, Robert~ 33:GB ~31:1707909.6 ~32:17/05/2017

2024/00732 ~ Complete ~54:DEVICE AND METHOD FOR PREPARING POLYANILINE AND POLYACRYLONITRILE COMPOSITE NANOFIBER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: FENG, Qiao;LIANG, Banglei;MA, Shucui;TAN, Yanfang;ZHAO, Yaqi;ZHAO, Zhenxin~

2024/00746 ~ Complete ~54:METABOLIC DISORDER-ASSOCIATED TARGET GENE IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: AIMEE M DEATON;JEFFREY ZUBER~ 33:US ~31:63/223,995 ~32:21/07/2021;33:US ~31:63/278,126 ~32:11/11/2021;33:US ~31:63/285,143 ~32:02/12/2021;33:US ~31:63/287,578 ~32:09/12/2021;33:US ~31:63/321,799 ~32:21/03/2022;33:US ~31:63/323,543 ~32:25/03/2022

2024/00750 ~ Complete ~54:OBSERVING DEVICE COMPRISING INDEPENDENT OPTICAL AND OPTRONIC CHANNELS AND VEHICLE EQUIPPED WITH SUCH A DEVICE ~71:SAFRAN ELECTRONICS & DEFENSE, 2, boulevard du Général Martial Valin, 75015 Paris, France ~72: ARNAUD MORAILLON;CHRISTOPHE GUETTIER;CLAIRE TAFANELLI;FABRICE LARRIBE;FLORIAN BERTELLI;JULIEN ARAGONES;MARIE-AXELLE BORRIELLO~ 33:FR ~31:FR2106898 ~32:28/06/2021

2024/00707 ~ Provisional ~54:GENETIC ENGINEERING ~71:Merveleen Fisher, 40 Bottlebrush Street, Gelvandale, South Africa ~72: Dr. Larry Van Vuuren~

2024/00711 ~ Complete ~54:DRYLAND COLOR RICE LANDSCAPE PLANTING METHOD ~71:INSTITUTE OF FOOD AND CROPS OF THE ACADEMY OF AGRICULTURAL SCIENCES OF YUNNAN PROVINCE, No. 2238, Beijing Road, Panlong District, Kunming City, People's Republic of China ~72: Duo LAN;Hua AN;Jianhua

ZHANG;Junjiao GUAN;Sheping LI;Wei DENG;Xiaolin LI;Ying LV;Yuran XU~ 33:CN ~31:2023107421034
~32:21/06/2023

2024/00721 ~ Complete ~54:A SCENIC SPOT GUIDING PLATE CONVENIENT FOR ASSEMBLY AND
DISASSEMBLY ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan
City, Henan Province, 467000, People's Republic of China ~72: Lei Deng;Na Lan;Songtao Huo;Xiankang
Chen;Zhenkun Zhao~

2024/00723 ~ Complete ~54:A DIGITAL CONTROLLED CUTTING EQUIPMENT FOR GARMENT
PROCESSING ~71: Haiyan Kaida Textile New Materials Co., Ltd., No. 2683, Lenggang Road, Wuyuan Street,
Haiyan County, Jiaxing City, Zhejiang Province, 314300, People's Republic of China; Jiaxing Vocational and
Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's
Republic of China ~72: Wentao Jin;Xiaoyan Miao~

2024/00745 ~ Complete ~54:METHODS AND YEAST CELLS FOR PRODUCTION OF DESATURATED
COMPOUNDS ~71:FMC AGRICULTURAL SOLUTIONS A/S, Thybor#248;nvej 78, R#248;nland, 7673
Harbo#248;re, Denmark ~72: CARINA HOLKENBRINK;IRINA BORODINA~ 33:EP ~31:21183447.8
~32:02/07/2021;33:EP ~31:22161107.2 ~32:09/03/2022

2024/00741 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING
INFERTILITY AND ITS PREPARATION METHOD AND APPLICATION ~71:Anhui Medical University, No. 81
Meishan Road, Sanli#39;an Street, Shushan District, Hefei City, Anhui Province, 230032, People's Republic of
China;Hefei Doushuaigong Medical Technology Co., LTD, No.#13, Building #1, East of the south Section of
Changhuai Road, Shuihu Town, Changfeng County, Hefei City, Anhui Province, 231100, People's Republic of
China ~72: Mingxiang XU;Wenjie LU;Youzhi XU~ 33:CN ~31:2021108455151 ~32:26/07/2021

2024/00749 ~ Complete ~54:THREE-DIMENSIONAL MICROCRYSTALLINE GLASS AND PREPARATION
METHOD THEREFOR ~71:CHANGSHU JIAHE DISPLAY TECHNOLOGY CO., LTD, No.25, Jinmen Road,
Changshu National High Tech Industrial Development Zone Suzhou, Jiangsu, 215558, People's Republic of
China ~72: FUJUN ZHANG;GUANGYUAN HE;JIHONG ZHANG;WEIWEI ZHOU~ 33:CN ~31:202110555635.8
~32:21/05/2021

2024/00759 ~ Complete ~54:PROCESS FOR PREPARING AFICAMTEN ~71:Cytokinetics, Inc., 350 Oyster Point
Blvd, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ANDERSEN,
Denise;MORGAN, Bradley P.;PFEIFFER, Matthew;TOM, Norma~ 33:US ~31:63/203,888 ~32:03/08/2021

2024/00760 ~ Complete ~54:SEROTONIN 5-HT2B INHIBITORY COMPOUNDS ~71:Zoetis Services LLC, 10
Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: EWIN, Richard A.;FENWICK, Ashley
E.;SUBRAMANIAN, Govindan~ 33:US ~31:63/225,775 ~32:26/07/2021

2024/00765 ~ Complete ~54:PROCESSES FOR SUPPRESSING EMISSION OF MERCURY VAPOR
~71:Albemarle Corporation, 4250 Congress Street, Suite 900, CHARLOTTE 28209, NC, USA, United States of
America ~72: GE, Zhongxin;MILLER, Jon;PINGREE, Kim Sehye;WELZ, Sascha;ZHANG, Zhaorong~ 33:US
~31:63/227,645 ~32:30/07/2021

2024/00710 ~ Provisional ~54:TRACKING ARRANGEMENT ~71:ALLEN, Keith Richard, c/o eSwatini Wire
Industries, First Avenue, Plot 224, Matsapha Industrial Site, MATSAPHA M202, Manzini, THE KINGDOM OF
ESWATINI, Swaziland;SIBANDZE, Bonginkosi, 13 Inyanga Residential, 5 Simba Road, SUNNINGHILL 2191,
Gauteng, SOUTH AFRICA, South Africa;SIBANDZE, Musa M., Lot No. 173 Tubungu Township, MATSAPHA,
THE KINGDOM OF ESWATINI, Swaziland;SIBANDZE, Thembinkosi, 13 Inyanga Residential, 5 Simba Road,
SUNNINGHILL 2191, Gauteng, SOUTH AFRICA, South Africa;SIMELANE, Mbongwa, Plot 709, 3rd Street,

MATSAPHA, THE KINGDOM OF ESWATINI, Swaziland ~72: ALLEN, Keith Richard;SIBANDZE, Bonginkosi;SIBANDZE, Musa M.;SIBANDZE, Thembinkosi;SIMELANE, Mbongwa~

2024/00714 ~ Complete ~54:COMBINED INFLUENZA-COVID-19 SUBUNIT VACCINE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:HANGZHOU CITY UNIVERSITY, Hangzhou City University, No. 50 Huzhou Street, Gongshu District, Hangzhou City, People's Republic of China ~72: Haijun HAN;Naru ZHANG;Shuchang CHEN;Zihui YE~ 33:CN ~31:2023107838042 ~32:29/06/2023

2024/00720 ~ Complete ~54:A MULTI-PURPOSE E-COMMERCE LOGISTICS RECYCLABLE PACKING BOX ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Huiping Wang;Lei Deng;Likun Ni;Na Lan;Qi You~

2024/00725 ~ Complete ~54:A RAPID SAMPLING STRUCTURE FOR FAST FOOD TESTING ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Liu Hua;Mei Xiuqin;Yu Di~

2024/00751 ~ Complete ~54:TRANSTHYRETIN (TTR) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;JAMES D MCININCH;MARK K SCHLEGEL~ 33:US ~31:63/228,830 ~32:03/08/2021

2024/00761 ~ Complete ~54:FUSED BICYCLIC HETEROARYL COMPOUNDS USEFUL AS NLRP3 INHIBITORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: AITKEN, Lewis Scott;BOUCHE, Lea Aurelie;GUBA, Wolfgang;JAESCHKE, Georg;JOHNSTON, Heather Jennifer;MESCH, Stefanie Katharina;PATINY-ADAM, Angélique;SCHNIDER, Christian;SHANNON, Jonathan Martin;STEINER, Sandra;TOSSTORFF, Andreas Michael~ 33:EP ~31:21203314.6 ~32:19/10/2021;33:EP ~31:22174872.6 ~32:23/05/2022

2024/00767 ~ Complete ~54:LINEAR PEPTIDES INHIBITING CK2-MEDIATED PHOSPHORYLATION AND COMPOSITIONS COMPRISING SAME ~71:Centro de Ingenieria Genetica y Biotecnologia, Avenida 31 No. 15802, entre 158 y 190, Cubanacán, Playa, LA HABANA 11600, CUBA, Cuba ~72: BESADA PÉREZ, Vladimir Armando;CABALLERO MENÉNDEZ, Evelin;GARAY PÉREZ, Hilda Elisa;GONZÁLEZ LÓPEZ, Luis Javier;GONZALEZ BLANCO, Sonia;GUILLÉN NIETO, Gerardo Enrique;MASFORROL GONZÁLEZ, Yordanka;PEREA RODRÍGUEZ, Silvio Ernesto;PERERA NEGRIN, Yasser;REYES ACOSTA, Osvaldo~ 33:CU ~31:2021-0058 ~32:09/07/2021

- APPLIED ON 2024/01/23 -

2024/00777 ~ Complete ~54:HIGH-PRESSURE ABRASIVE WATER JET CUTTING DEVICE IN NON-SUBMERGED STATE ~71:NORTH CHINA INSTITUTE OF AEROSPACE ENGINEERING, NO.133 Aimin East Road, Langfang City, Hebei Province, 065000, People's Republic of China ~72: Cai Jiase;Cai Yi;Chen Lihuan;Guo Liwen;Li Weicong~ 33:CN ~31:202410006327.3 ~32:03/01/2024

2024/00792 ~ Complete ~54:MICROORGANISMS AND METHODS FOR IMPROVED BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: ALEXANDER PAUL MUELLER;CHING LEANG;MICHAEL KOEPKE;RASMUS OVERGAARD JENSEN;ZACHARY ROBERT COWDEN~ 33:US ~31:63/260,054 ~32:06/08/2021;33:US ~31:63/261,185 ~32:14/09/2021

2024/00796 ~ Complete ~54:METHOD AND SYSTEM FOR APPENDING RENDEZVOUS BLOCKCHAIN TRANSACTION TO USER CHAINS OF COMMITMENT ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300,

SWITZERLAND, Switzerland ~72: CLARK, Paul;DAVIES, Jack Owen;MEE, Andrew James;RAND, Ricky Charles;WOODS, Alex~ 33:GB ~31:2109064.2 ~32:24/06/2021;33:GB ~31:2209173.0 ~32:22/06/2022

2024/00772 ~ Complete ~54:CONSTRUCTION WASTE TREATMENT EQUIPMENT ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: FU Hao;NI Hongmei;WU Zhen;ZHANG Huiping;ZHANG Yongcun~

2024/00779 ~ Complete ~54:MODULAR ASSEMBLY-TYPE HOUSE QUICK-INSTALLATION STRUCTURE AND ASSEMBLY METHOD ~71:QILU INSTITUTE OF TECHNOLOGY, No. 3028, Jingshi East Road, Jinan City, People's Republic of China ~72: Chuanwei DU;Lanying ZHAO;Lin TENG;Shenghui ZHOU;Wajahat Sammer ANSARI;Xuyang LEI;Zihang WU~ 33:CN ~31:2023114953350 ~32:09/11/2023

2024/00783 ~ Complete ~54:MEASURING APPARATUS AND METHOD FOR MEASURING THE TEMPERATURE OF A MOLTEN METAL BATH WITH AN OPTICAL DEVICE ~71:HERAEUS ELECTRO-NITE INTERNATIONAL N.V., Centrum Zuid 1105, Belgium ~72: JANSSEN, Gert;VAN VLIERBERGHE, Michel;VRANCKX, Luc~ 33:EP ~31:21193152.2 ~32:26/08/2021

2024/00791 ~ Complete ~54:A HYGIENE COMPOSITION FOR REDUCING MALODOUR ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NAMISHA MOHAPATRA;RAMYA SAMPATH KUMAR;SAMIRAN MAHAPATRA;SANDEEP VARMA;SRILAXMI VENKATA MEDEPALLI~ 33:EP ~31:21194647.0 ~32:02/09/2021

2024/00797 ~ Complete ~54:TRANSFORMING GROWTH FACTOR-BETA LIGAND TRAPS FOR THE TREATMENT OF DISEASE ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: FISCHER, Bruce S.;HAMURO, Lora;PEREZ, Raymond~ 33:US ~31:63/214,585 ~32:24/06/2021;33:US ~31:63/214,588 ~32:24/06/2021

2024/00776 ~ Complete ~54:EFFICIENT FUSION PROCESSING SYSTEM AND METHOD FOR MULTI-SOURCE PAYLOAD DATA ON SATELLITE ~71:SHANGHAI SPACEFLIGHT INSTITUTE OF TT & C AND TELECOMMUNICATION, No. 1777, Zhongchun Road, Minhang District, People's Republic of China ~72: DENG, Songfeng;DING, Rongli;FENG, Shuyi;MU, Wentao;XIE, Baorong;ZHANG, Man;ZHU, Wentao;ZHU, Xinzhong~ 33:CN ~31:2023103231651 ~32:29/03/2023

2024/00789 ~ Complete ~54:LARGE SCALE ADENO-ASSOCIATED VIRUS PRODUCTION SYSTEMS ~71:BIOMARIN PHARMACEUTICAL INC., 105 Digital Drive, Novato, California, 94949, United States of America ~72: DANIEL BARAJAS;JOSEPH CHARLES PELTIER;JUAN JOSE APONTE-UBILLUS;SANTOSH G PANDE;TOMAS CINEK~ 33:US ~31:63/226,564 ~32:28/07/2021;33:US ~31:63/226,626 ~32:28/07/2021

2024/00782 ~ Complete ~54:PROTECTIVE LAYER ~71:BOTHA, Johannes Willem, 101 DaGama, 152 Beach Road, South Africa;DAVEL, Donovan, 5 Ockert Avenue, Highway Gardens, South Africa;DE VRIES, Jacobus Marthinus, 4 Bosbok Street, Jordaanpark, South Africa;VAN STADEN, Duane, 245 Margaret Hunt Street, Garsfontein, South Africa ~72: BOTHA, Johannes Willem;DAVEL, Donovan;DE VRIES, Jacobus Marthinus;VAN STADEN, Duane~ 33:ZA ~31:2021/04685 ~32:06/08/2021

2024/00775 ~ Complete ~54:MYCORRHIZA-PLANT COMMUNITY CONFIGURATION METHOD FOR REMOVING HEAVY METALS IN SOIL IN SITU ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HU Hui;KONG Qianqian;LIU Biao;LONG Xiaojing;SANG Yupeng;YI Boxiang;ZHANG Tingting;ZHOU Changrui~

2024/00784 ~ Complete ~54:METHOD FOR PRODUCING BENZOXAZOLE DERIVATIVE HAVING BICYCLIC PIPERAZINE RING OR SALT THEREOF, AND METHOD FOR PRODUCING MATERIAL THEREOF ~71:MEIJI SEIKA PHARMA CO., LTD., 4-16, Kyobashi 2-chome Chuo-ku, Tokyo, 1048002, Japan ~72: KENICHI FUSHIHARA;MASAYUKI OKUE;SATOSHI ISSHIKI;SHINSUKE MOURI;TAKESHI TSUMURA;TOSHIRO SASAKI~ 33:JP ~31:2021-108230 ~32:30/06/2021

2024/00780 ~ Complete ~54:SLEEP EVALUATION METHOD, SLEEP EVALUATION APPARATUS, TERMINAL DEVICE AND STORAGE MEDIUM ~71:GUIZHOU YOU PIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang~

2024/00786 ~ Complete ~54:GLP-1 RECEPTOR AGONIST AND COMPOSITION AND USE THEREOF ~71:HANGZHOU ZHONGMEIHUADONG PHARMACEUTICAL CO., LTD., No. 866, Moganshan Road, GongShu District Hangzhou, Zhejiang, 310011, People's Republic of China ~72: HAO PAN;LIUBIN GUO;QIAN WANG;WENQIANG ZHAI;ZHE WANG;ZHIMIN ZHANG~ 33:CN ~31:202110702643.0 ~32:24/06/2021

2024/00769 ~ Provisional ~54:TRANSPORT AND LOGISTICS FUNDING PROPOSAL ~71:Pricilla Moeledi Mothapo, 384 KLERKSOORD EXTENTION 29, South Africa ~72: Pricilla Moeledi Mothapo~

2024/00778 ~ Complete ~54:METHOD FOR ANALYSING OBSTETRICS AND GYNECOLOGY INFORMATION BASED ON COMMUNITY-BASED MATERNITY DATA STREAMS ~71:NANFANG HOSPITAL BAIYUN BRANCH, SOUTHERN MEDICAL UNIVERSITY, No. 23, Yuanxiadi Road, Guangzhou, People's Republic of China ~72: Jianting LUO;Jing ZHANG;Sijin CHEN~

2024/00788 ~ Complete ~54:ANTI-NECTIN4 ANTIBODIES AND MULTI-SPECIFIC PROTEIN COMPLEXES COMPRISING SUCH ~71:ELPIS BIOPHARMACEUTICALS, 128 Spring Street, Lexington, Massachusetts, 02421, United States of America ~72: JENNA NGUYEN;KEHAO ZHAO;NING JIANG;SUGA SUBRAMANIAM;YAN CHEN~ 33:US ~31:63/216,276 ~32:29/06/2021

2024/00798 ~ Complete ~54:IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: CHARBONNIER, Antoine~ 33:GB ~31:2111712.2 ~32:16/08/2021

2024/00773 ~ Complete ~54:A PROTECTIVE BOARD FOR CONSTRUCTION ENGINEERING ~71:China Construction Second Engineering Bureau LTD., No. 251, Beiyangwa, Liyuan Town, Tongzhou District, Beijing, 101100, People's Republic of China ~72: Bo Duan;Fakai Yang;Hua Wei;Long Ye;Siyu Xiang;Yadong Cao;Zhu Yu~ 33:CN ~31:2023212148184 ~32:18/05/2023

2024/00770 ~ Provisional ~54:SHUTTLE AND METHOD OF SECURING A SHUTTLE TO A FORKLIFT ~71:Roboware (Pty) Ltd, 105 Sovereign Drive, Route 21 Corporate Park, Irene, 0157, Pretoria, South Africa ~72: Theunis Jacobus Pretorius~

2024/00781 ~ Complete ~54:OPTIMIZATION METHOD, SYSTEM AND ELECTRONIC EQUIPMENT FOR VIRTUAL ENERGY STORAGE OF AIR CONDITIONING LOAD ~71:NARI TECHNOLOGY CO., LTD., 19 Chengxin Avenue, Jiangning District, Nanjing City, People's Republic of China;SOUTHEAST UNIVERSITY, No. 2 Sipai Lou, Xuanwu District, Nanjing City, People's Republic of China;STATE GRID HENAN ELECTRIC POWER COMPANY KAIFENG POWER SUPPLY COMPANY, Power building, Jinming Avenue, Kaifeng City, People's Republic of China ~72: CHEN, Binghua;DU, Jiao;HAO, Jing;LU, Zhenjun;MENG, Fanbin;NAN, Yu;XU, Qingshan;ZHANG, Haichuan;ZHANG, Weiguo;ZHENG, Gang;ZHU, Qing~

2024/00790 ~ Complete ~54:CRYSTALLINE FORMS OF A NEUROACTIVE STEROID ~71:SAGE THERAPEUTICS, INC., 215 First Street, Cambridge, Massachusetts, 02142, United States of America ~72: SHANMING KUANG;TIANRUI LI~ 33:US ~31:63/226,374 ~32:28/07/2021

2024/00800 ~ Complete ~54:ORGANIC PYRIDINE-PYRAZOLE COMPOUNDS AND THEIR USES ~71:BenevolentAI Cambridge Limited, 4-8 Maple Street, LONDON W1T 5HD, UNITED KINGDOM, United Kingdom ~72: ALMOND-THYNNE, Joshua;BELICH, Monica Polidoro;PATIENT, Lee;ROBAS, Nicola;UNSWORTH, Philip James;YIP, Adam Christopher Loy~ 33:GB ~31:2110990.5 ~32:30/07/2021

2024/00787 ~ Complete ~54:PHARMACEUTICAL COMPOSITION AND USE ~71:AKESO BIOPHARMA, INC, No. 6 Shennong Road, Torch Development Zone, Zhongshan, Guangdong 528437, People's Republic of China;AKESO PHARMACEUTICALS, INC., 158 Kangyao Road South, Huangpu, Guangzhou, Guangdong 510799, People's Republic of China ~72: BAIYONG LI;YU XIA;ZHONGMIN WANG~ 33:CN ~31:202110842497.1 ~32:23/07/2021

2024/00793 ~ Complete ~54:A COMBINATION OF FLUBENDIAMIDE AND SEAWEED EXTRACT ~71:PI INDUSTRIES LTD., Udaisagar Road, Udaipur, India ~72: DUTTA, Ashim Kumar;GADE, Vishwanath;SONAR, Harshal Bhika~ 33:IN ~31:202111028384 ~32:24/06/2021

2024/00799 ~ Complete ~54:IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: AUSSANT, Emmanuel~ 33:GB ~31:2111473.1 ~32:10/08/2021

2024/00771 ~ Complete ~54:DESIGN METHOD FOR ENHANCING THE INTERFACIAL SHEAR AND INTER-LAYER LOAD TRANSFER CAPACITY OF DOUBLE-LAYER GO-CSH ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Hangzhou, Zhejiang, 310023, People's Republic of China ~72: Bowen KONG;Chen QU;Chuan CHEN;Fangyuan SONG;Fengzhi WANG;Hongwei WANG;Huan HE;Lei FAN;Li ZHAO;Wei ZENG~ 33:CN ~31:2024100519407 ~32:12/01/2024

2024/00794 ~ Complete ~54:ANTI-CORROSION TAPE COMPRISING AT LEAST FOUR PLYS ~71:DENSO-HOLDING GMBH & CO., Felderstraße 24, Germany ~72: KAISER, Thomas Markus~ 33:DE ~31:10 2021 120 191.8 ~32:03/08/2021

2024/00795 ~ Complete ~54:NITROSAMINE IMPURITY, VARENICLINE PHARMACEUTICAL COMPOSITION CAPABLE OF REDUCING GENERATION OF NITROSAMINE IMPURITIES AND PREPARATION AND USE THEREOF ~71:SHANDONG WEIZHI BAIKE PHARMACEUTICAL CO., LTD., 369 Shengong Road, Hi-Tech Industries Development Zone, Zaozhuang, People's Republic of China;SHANDONG WEIZHI ZHONGKE PHARMACEUTICAL CO., LTD., 389 Shannan West Road, Tengzhou Economical Development Zone, Zaozhuang, People's Republic of China;VIWIT PHARMACEUTICAL CO., LTD., 88 Weizhi Road, Tengzhou Biopharma Park, Zaozhuang, People's Republic of China ~72: BASAVARAJ, Shidagonnava;DU, Wenfeng;KONG, Meng;LI, Feng;LIU, Xiwang;PEI, Hui;SUN, Zhongya;WANG, Jian;WEI, Yanjun;XING, Yanping;XU, Qingjing~ 33:CN ~31:202110961274.7 ~32:20/08/2021;33:CN ~31:202110997332.1 ~32:27/08/2021

2024/00801 ~ Complete ~54:PROCESSES FOR DEHYDROGENATING ALKANES AND ALKYL AROMATIC HYDROCARBONS ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying;KUECHLER, Keith H.;MADUSKAR, Saurabh S.~ 33:US ~31:63/232,959 ~32:13/08/2021;33:US ~31:63/328,971 ~32:08/04/2022

2024/00774 ~ Complete ~54:A HIGHLY STABLE TEMPORARY CONSTRUCTION JUMP FRAME ~71:China Construction Second Engineering Bureau LTD., No. 251, Beiyangwa, Liyuan Town, Tongzhou District, Beijing,

101100, People's Republic of China ~72: Bo Duan;FaKai Yang;Hua Wei;Long Ye;Xiaoqian Yuan;Yadong Cao;Zhu Yu~ 33:CN ~31:2023210978655 ~32:09/05/2023

2024/00785 ~ Complete ~54:TYPE II UNMODIFIED CELLULOSE MICROFIBERS, AND METHOD FOR MANUFACTURING TYPE II UNMODIFIED CELLULOSE MICROFIBERS AND COMPACT OF SAME ~71:FUTAMURA KAGAKU KABUSHIKI KAISHA, 29-16, Meieki 2-chome, Nakamura-ku, Nagoya-shi, Aichi, 4500002, Japan ~72: ASUKA YAMAZAKI;IPPEI IWATA~ 33:JP ~31:2021-130565 ~32:10/08/2021

- APPLIED ON 2024/01/24 -

2024/00806 ~ Provisional ~54:NON-CONTACT INDUCTIVE SWITCH ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr.~

2024/00810 ~ Complete ~54:STAGED INFORMATION EXCHANGE FACILITATED BY CONTENT-ADDRESSABLE RECORDS INDEXED TO PSEUDONYMOUS IDENTIFIERS BY A TAMPER-EVIDENT DATA STRUCTURE ~71:IMAGINEBC, 18310 Montgomery Village Ave., Suite 230, United States of America ~72: DORDEVIC, Nenad;RIND, Erik, H.;RIND, Greg;ROSEN, Michael;TENLY, Charles~ 33:US ~31:16/520,534 ~32:24/07/2019

2024/00813 ~ Complete ~54:DIAGNOSIS OF RESPIRATORY DISEASES USING ANALYSIS OF EXHALED BREATH AND AEROSOLS ~71:ZETEO TECH, INC., 6935 WARFIELD AVE., SYKESVILLE, MD 21784, USA, United States of America ~72: BRYDEN, Wayne, A;CHEN, Dapeng;MCLOUGHLIN, Michael~ 33:US ~31:63/005,179 ~32:03/04/2020;33:US ~31:63/010,029 ~32:14/04/2020;33:US ~31:63/069,029 ~32:22/08/2020

2024/00828 ~ Complete ~54:ANTI-CTLA-4 ANTIBODY ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: HAYASHI, Hiroki;HORI, Yuji;IGAWA, Tomoyuki;KAMIMURA, Masaki;KATADA, Hitoshi;KAWAUCHI, Hiroki;KOMORI, Yasunori;MATSUDA, Yutaka;SHIMIZU, Shun;SUSUMU, Hiroaki;TATSUMI, Kanako~ 33:JP ~31:2021-105804 ~32:25/06/2021

2024/00805 ~ Provisional ~54:ULTIMATE ARCHIVES ~71:Kgothatso Alpheus Mokonyane, 4061 Zone 3, Ranta Street, South Africa ~72: Kgothatso Alpheus Mokonyane~

2024/00822 ~ Complete ~54:INHIBITORS OF TRANSGLUTAMINASES ~71:ZEDIRA GMBH, Roesslerstrasse 83, 64293, Darmstadt, Germany ~72: CHRISTIAN BÜCHOLD;MARTIN HILS;MARTIN STIELER;RALF PASTERNAK;UWE GERLACH~ 33:EP ~31:21182956.9 ~32:30/06/2021;33:EP ~31:21183316.5 ~32:01/07/2021;33:US ~31:63/217,783 ~32:02/07/2021;33:EP ~31:PCT/EP2021/086674 ~32:17/12/2021;33:EP ~31:PCT/EP2022/065437 ~32:07/06/2022

2024/00804 ~ Provisional ~54:DATE MY PARTY TALKSHOW ~71:Faith Phathela, 30 Vondeling Farm, South Africa ~72: Faith Phathela~

2024/00807 ~ Complete ~54:ICE AND SNOW MATERIAL WITH EXCELLENT BIOCOMPATIBILITY AND HIGH MECHANICAL BEARING CHARACTERISTICS ~71:Beijing Institute of Technology, No. 5, Zhongguancun South Street, Haidian District, Beijing, 100081, People's Republic of China ~72: JIAN, Nannan;ZHANG, Kai;ZHU, Wenbo;ZUO, Lei~

2024/00818 ~ Complete ~54:METHOD FOR PREPARING XANTHINE OXIDASE INHIBITOR ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea

~72: HAM, Jin Ok;JEONG, Hui Rak;LEE, Seok Ju;SHIN, Doo Sup~ 33:KR ~31:10-2021-0087049
~32:02/07/2021

2024/00826 ~ Complete ~54:METHOD FOR PREVENTING DEFORMATION OF RESIN-MADE
AGROCHEMICAL CONTAINER ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori, 1-Chome Nishi-Ku,
Osaka-Shi, Osaka, 5500002, Japan ~72: YUSUKE KOBAYASHI~ 33:JP ~31:2021-131666 ~32:12/08/2021

2024/00802 ~ Provisional ~54:FOLDING PORTABLE TOILET ~71:Borwa Occupational Health and Safety
Solutions (Pty) Ltd, 5446 Jeff Masemola Street, South Africa ~72: Obakeng Rakumakoe~

2024/00812 ~ Complete ~54:PESTICIDE SPRAYING MACHINE FOR RICE PLANTING ~71:Weifang University
of Science and Technology, No.1299, Jinguang Street, Shouguang City, Shandong Province, 262700, People's
Republic of China ~72: Liu Lixia;Sun Mingmao~

2024/00815 ~ Complete ~54:REPLACEABLE WEAR PLATE ~71:CATERPILLAR INC., 100 NE Adams Street -
AH9510, United States of America ~72: HARTOONIAN-PARIZEK, Graham R.;SERRURIER, Douglas C.;YOUNG,
Andrew W.~ 33:US ~31:17/387,463 ~32:28/07/2021

2024/00824 ~ Complete ~54:LEUCINE-RICH REPEAT KINASE 2 (LRRK2) IRNA AGENT COMPOSITIONS AND
METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A.
Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM
CASTORENO;JAMES D MCININCH;JOSEPH BARRY;LAN THI HOANG DANG;MARK K
SCHLEGEL;MATTHEW STRICOS;SARAH LEBLANC;TUYEN M NGUYEN~ 33:US ~31:63/216,119
~32:29/06/2021;33:US ~31:63/353,953 ~32:21/06/2022

2024/00838 ~ Complete ~54:ANTIBODY AND USE THEREOF ~71:HEFEI TG IMMUNOPHARMA CO., LTD.,
Room #2001, Building 1#C, Hefei innovation and entrepreneurship park, 268 Furong Road, Jingkai District, Hefei,
People's Republic of China ~72: CAO, Guoshuai;SUN, Haoyu;SUN, Rui;TIAN, Zhigang;XIAO, Weihua~ 33:CN
~31:202111629693.7 ~32:28/12/2021

2024/00809 ~ Complete ~54:GREEN PEEL REMOVAL DEVICE FOR WALNUT PROCESSING ~71:GANSU
LONGXIAONAN E-COMMERCE CO., LTD., LONGXIAONAN BASE, LIANGLOU VILLAGE, People's Republic of
China ~72: ZHAO, Wuqiang~

2024/00814 ~ Complete ~54:METHOD FOR ANALYSIS AND PREPARATION OF DIACETYL COREY LACTONE
AS CHIRAL INTERMEDIATE OF PROSTAGLANDIN DRUG ~71:JILIN UNIVERSITY OF MEDICINE, 5 Jilin Dajie,
Jilin City, People's Republic of China ~72: CHE, Yanrui;HU, Cheng;JIA, Boyan;JIN, Lili;LIU, Jiaxue;TIAN,
Yongheng;WANG, Shujuan;WANG, Yangyang;XIU, Zhiming;YANG, Weilong;ZHU, Liping~

2024/00834 ~ Complete ~54:PYRAZOLO[3,4-B]PYRIDINE COMPOUNDS FOR THE TREATMENT OF
AUTOIMMUNE DISEASE ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070,
SWITZERLAND, Switzerland ~72: CHEN, Dongdong;DEY, Fabian;HONG, Xin;WANG, Xiaoqing;ZHANG,
Zhisen;ZHU, Wei;ZOU, Ge~ 33:IB ~31:2021/120406 ~32:24/09/2021;33:IB ~31:2022/089033 ~32:25/04/2022

2024/00811 ~ Complete ~54:A STRESS CONCENTRATION DEVICE ~71:THE TRUSTEES FOR THE TIME
BEING OF THE TREVOR CHARLES FROST FAMILY TRUST, 4 Nut Avenue, Olifantsfontein, Gauteng, 1665,
South Africa, South Africa ~72: FROST, Trevor, Charles;THOMPSON, Kenneth, Mackay~ 33:ZA
~31:2023/01004 ~32:24/01/2023

2024/00817 ~ Complete ~54:RANDOM ACCESS IN A WIRELESS COMMUNICATION NETWORK
~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72:
WANG, Min~ 33:US ~31:63/217,059 ~32:30/06/2021

2024/00829 ~ Complete ~54:(1,4,5-TRISUBSTITUTED-1H-PYRAZOLE-3-YL)OXY-2-ALKOXY ALKYL ACIDS
AND THEIR DERIVATIVES, THEIR SALTS AND THEIR USE AS HERBICIDAL AGENTS ~71:Bayer
Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BOJACK,
Guido;BOLLENBACH-WAHL, Birgit;BUSCATO, Estella;DITTMER, Jan;GATZWEILER, Elmar;HELMKE,
Hendrik;JAKOBI, Harald;MÜLLER, Thomas~ 33:EP ~31:21181914.9 ~32:25/06/2021

2024/00821 ~ Complete ~54:INHIBITORS OF TRANSGLUTAMINASES ~71:ZEDIRA GMBH, Roesslerstrasse 83,
64293, Darmstadt, Germany ~72: CHRISTIAN BÜCHOLD;MARTIN HILS;MARTIN STIELER;RALF
PASTERNAK;UWE GERLACH~ 33:EP ~31:21182956.9 ~32:30/06/2021;33:EP ~31:21183316.5
~32:01/07/2021;33:US ~31:63/217,783 ~32:02/07/2021;33:EP ~31:PCT/EP2021/086674
~32:17/12/2021;33:EP ~31:PCT/EP2022/065435 ~32:07/06/2022

2024/00832 ~ Complete ~54:PROCESSES FOR REGENERATING CATALYSTS AND FOR UPGRADING
ALKANES AND/OR ALKYL AROMATIC HYDROCARBONS ~71:ExxonMobil Chemical Patents Inc., 5200
Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying~ 33:US
~31:63/231,946 ~32:11/08/2021

2024/00837 ~ Complete ~54:STABILIZED COMPOSITIONS OF RADIONUCLIDES AND USES THEREOF
~71:RAYZEBIO, INC., 5505 Morehouse Drive, Suite 300, United States of America ~72: ARANGIO,
Susan;BISCHOFF, Eric;CHARYCH, Deborah;CHEN, Gang;COLE, Derek;KIM, Daniel;LIU, Junjie;MORAN,
Matthew;SMITH, Nicholas D.;SONG, Ken~ 33:US ~31:63/228,535 ~32:02/08/2021;33:US ~31:17/665,202
~32:04/02/2022;33:US ~31:17/665,202 ~32:08/04/2022

2024/00820 ~ Complete ~54:ARYLCYCLOHEXYLAMINE DERIVATIVES AND THEIR USE IN THE TREATMENT
OF PSYCHIATRIC DISORDERS ~71:GILGAMESH PHARMACEUTICALS, INC., 113 University Place, Suite
1019, United States of America ~72: KRUEGEL, Andrew Carry~ 33:US ~31:63/215,151 ~32:25/06/2021

2024/00831 ~ Complete ~54:METHODS OF MANUFACTURING A BIFUNCTIONAL COMPOUND ~71:Arvinas
Operations, Inc., 5 Science Park, 395 Winchester Ave, NEW HAVEN 06511, CT, USA, United States of America
~72: CHEN, Chungpin Herman;DONG, Hanqing~ 33:US ~31:63/225,858 ~32:26/07/2021

2024/00833 ~ Complete ~54:FOUR PISTON SCOTCH YOKE ACTUATOR ~71:ITT Manufacturing Enterprises
LLC, 1105 North Market Street, Suite 1300, WILMINGTON 19801, DE, USA, United States of America ~72:
BERKOVITZ, Igor;HADAR, Yoel~ 33:US ~31:17/460,224 ~32:29/08/2021

2024/00836 ~ Complete ~54:SUBSTITUTED PYRIDINE DERIVATIVES AS SARM1 INHIBITORS ~71:NURA
BIO, INC., 161 Oyster Point Blvd., Suite 200, United States of America ~72: BROWN, Sean Pomeroy;GRICE,
Cheryl A.;KOLLURI, Rao;REYNOLDS, Charles Howard;TASKER, Andrew Stewart;TEGLEY, Christopher
Michael;ZHU, Liusheng~ 33:US ~31:63/226,557 ~32:28/07/2021;33:US ~31:63/305,103 ~32:31/01/2022;33:US
~31:63/368,034 ~32:08/07/2022

2024/00803 ~ Provisional ~54:SYSTEM AND METHOD FOR COMMUNITY-FIRST EMERGENCY SOS
~71:Bongani Mzobe, 653 Mangwele Street, Chiawelo Ext 3, Soweto, South Africa ~72: Bongani Mzobe~

2024/00808 ~ Complete ~54:ARTIFICIAL NUTRITIOUS RICE CONTAINING TRADITIONAL CHINESE
MEDICINE COMPONENTS AND PREPARATION METHOD THEREOF ~71:ZHENGZHOU RAILWAY
VOCATIONAL & TECHNICAL COLLEGE, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou

City, Henan Province, People's Republic of China ~72: CHENG Cong;ZHANG Lingling;ZHANG Xiaoxia;ZHANG Yaolei~

2024/00816 ~ Complete ~54:METHOD FOR PREPARING INTERMEDIATE FOR SYNTHESIS OF XANTHINE OXIDASE INHIBITOR ~71:LG CHEM, LTD., 128, YEOUNI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: JEONG, Hui Rak;KIM, Ki Dae;LEE, Ju Yeol;LEE, Seok Ju;PARK, Ah Byeol~ 33:KR ~31:10-2021-0087042 ~32:02/07/2021

2024/00825 ~ Complete ~54:TREATMENT OF ZINC LEACH RESIDUE ~71:GLENCORE TECHNOLOGY PTY LIMITED, Level 10, 160 Ann Street, Brisbane, Queensland, 4000, Australia ~72: ALISTAIR STEWART BURROWS;LEONID ALBERTOVICH USHKOV;TURARBEB ANARBEBKOVICH AZEKENOV~ 33:AU ~31:2021902331 ~32:29/07/2021

2024/00819 ~ Complete ~54:RETRACTABLE DAVIT ASSEMBLY AND RELATED METHODS ~71:HANGZHOU SINO EAGLE YACHT CO., LTD., 68 Yongtong Road, Dongzhou Industrial Park, People's Republic of China ~72: HE, Lianggang;XIONG, Ying;ZULE, Jure~ 33:US ~31:17/574,011 ~32:12/01/2022

2024/00827 ~ Complete ~54:TRANSPARENT AQUEOUS PERFUME COMPOSITION ~71:V. MANE FILS, 620 Route de Grasse, 06620, Le Bar sur Loup, France ~72: AGNÈS MURATORE;ELSA RAYNAUD~ 33:EP ~31:21306067.6 ~32:30/07/2021

2024/00823 ~ Complete ~54:INHIBITORS OF TRANSGLUTAMINASES ~71:ZEDIRA GMBH, Roesslerstrasse 83, 64293, Darmstadt, Germany ~72: CHRISTIAN BÜCHOLD;MARTIN HILS;MARTIN STIELER;RALF PASTERNAK;UWE GERLACH~ 33:EP ~31:21182956.9 ~32:30/06/2021;33:EP ~31:21183316.5 ~32:01/07/2021;33:US ~31:63/217,783 ~32:02/07/2021;33:EP ~31:PCT/EP2021/086674 ~32:17/12/2021;33:EP ~31:PCT/EP2022/065430 ~32:07/06/2022

2024/00835 ~ Complete ~54:THERAPEUTIC PAPILOMA VIRUS VACCINES ~71:INPROTHER APS, Ole Maaloes Vej 3, Germany;PROBIOGEN AG, Herbert-Bayer-Strasse 8, Germany;SIRION BIOTECH GMBH, Am Haag 6, Germany;UNIVERSITAET REGENSBURG, Universitaetsstrasse 31, Germany ~72: ASBACH, Benedikt;HOLST, Peter Johannes;JORDAN, Ingo;KARLAS, Alexander;NECKERMANN, Patrik;PERTL, Cordula;RAHBAEK BOILESEN, Ditte;SANDIG, Volker;THIRION, Christian;WAGNER, Ralf~ 33:EP ~31:21191940.2 ~32:18/08/2021

2024/00830 ~ Complete ~54:METHOD FOR PREPARING A GEL BLOCK ~71:Ynsect, 1 Rue Pierre Fontaine, ÉVRY-COURCOURONNES CEDEX 91058, FRANCE, France ~72: KIRECHE, Adam;LAFFORGUE, Anthony;PERYCHOU, Fanny;SARTON DU JONCHAY, Thibault~ 33:FR ~31:2107607 ~32:13/07/2021

- APPLIED ON 2024/01/25 -

2024/00863 ~ Complete ~54:IMPROVED APPARATUS FOR TREATING SLEEP DISORDERS ~71:Sharayu Nimonkar, New SBI Colony, Nisarg Nagri, Near Priyadarshini College, Nagpur Road, Wardha, Maharashtra, 442001, India;Vikram Belkhode, New SBI Colony, Nisarg Nagri, Near Priyadarshini College, Nagpur Road, Wardha, Maharashtra, 442001, India ~72: Sharayu Nimonkar;Vikram Belkhode~ 33:IN ~31:202123038438 ~32:25/08/2021

2024/00870 ~ Complete ~54:MODIFIED COLLOIDAL PARTICLES FOR USE IN THE TREATMENT OF HAEMOPHILIA A ~71:CANTAB BIOPHARMACEUTICALS PATENTS LIMITED, Palazzo Pietro Stiges, Malta ~72: WOLF-GARRAWAY, Richard~ 33:GB ~31:2111759.3 ~32:17/08/2021

2024/00855 ~ Complete ~54:BIOMASS PRODUCTION ~71:NBTECH AB, Vasavägen 89, 177 32, Järfälla, Sweden ~72: MAXIM CHAPOVALOV;NATHALIE BEREZINA~ 33:EP ~31:21183517.8 ~32:02/07/2021;33:EP ~31:21183520.2 ~32:02/07/2021;33:EP ~31:21210560.5 ~32:25/11/2021

2024/00866 ~ Complete ~54:SUBCUTANEOUS UNIT DOSAGE FORMS ~71:argenx BV, Industriepark Zwijnaarde 7, GHENT 9052, BELGIUM, Belgium ~72: HOFMAN, Erik;ULRICHTS, Peter;VAN BRAGT, Antoinetta Jacoba Maria;VERHEESEN, Peter~ 33:US ~31:63/203,856 ~32:02/08/2021

2024/00873 ~ Provisional ~54:POOL CLEANING DEVICE TO ENHANCE THE PERFORMANCE OF POOL OR TANK VACUUM CLEANERS ~71:Grant Ross Campbell, 1 Joshua Village, South Africa ~72: Grant Ross Campbell~

2024/00839 ~ Provisional ~54:AN IMPLANT ~71:JORDAAN, Gert, Jacobus, ROODERAND 510, PORTION 64, VENTERSKROON, 2531, SOUTH AFRICA, South Africa ~72: JORDAAN, Gert, Jacobus~

2024/00840 ~ Provisional ~54:MULTIPLE PACKAGE SEALABLE PACK ~71:TAKACS, Philippa Norah, 33 Burndale Place, South Africa;TAKACS, Richard Istvan, 33 Burndale Place, South Africa ~72: TAKACS, Philippa Norah;TAKACS, Richard Istvan~

2024/00851 ~ Complete ~54:DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, Beerse, 2340, BELGIUM, Belgium ~72: GOPAL, Srihari;T'JOLLYN, Huybrecht;VENKATASUBRAMANIAN, Raja~ 33:US ~31:63/119,382 ~32:30/11/2020

2024/00856 ~ Complete ~54:TABLET DISPENSING PRODUCT ~71:SCRUB DADDY, INC., 6 Horne Drive, Folcroft, Pennsylvania, 19032, United States of America ~72: AARON C KRAUSE;ALEKSANDRS TITOV;JOE M VACCARO;JOHN EDWARD LEE O'BRIEN;SHEILA VACCARO~ 33:US ~31:63/218,176 ~32:02/07/2021

2024/00861 ~ Complete ~54:AN ATMOSPHERIC WATER GENERATING DEVICE AND A METHOD OF ACTIVE OR ADAPTIVE ATMOSPHERIC WATER GENERATION ~71:ROYAL SCIENTIFIC SOCIETY, 70, Ahmed Al Tarwneh Street, Jordan ~72: ALMASSAD, Husam;CORDOVA, Kyle~ 33:US ~31:63/225,567 ~32:26/07/2021

2024/00868 ~ Complete ~54:MODIFIED COLLOIDAL PARTICLES FOR USE IN THE TREATMENT OF HAEMOPHILIA A ~71:CANTAB BIOPHARMACEUTICALS PATENTS LIMITED, Palazzo Pietro Stiges, Malta ~72: TUDDENHAM, Edward;WOLF-GARRAWAY, Richard~ 33:GB ~31:2111757.7 ~32:17/08/2021

2024/00869 ~ Complete ~54:NETRIN-1 DETECTION, COMPANION TEST AND THERAPY BASED ON RADIATIONS ~71:CENTRE LEON BERARD, 28, rue Laennec, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3, rue Michel Ange, France;HOSPICES CIVILS DE LYON, 3 quai des Célestins, France;INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), 101, Rue de Tolbiac, France;NETRIS PHARMA, 28 rue Laennec Centre Léon Bérard, France;UNIVERSITE CLAUDE BERNARD LYON 1, 43 boulevard du 11 novembre 1918, France ~72: GIBERT, Benjamin;KRYZA, David;MEHLEN, Patrick;NEVES, David;RICHAUD, Mathieu;SARRUT, David;WISCHHUSEN, Jennifer~ 33:EP ~31:21306040.3 ~32:27/07/2021

2024/00847 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING APIXABAN AND PROCESS FOR THE PREPARATION THEREOF ~71:PHARMAPLOT PRIVATE COMPANY, 40A KLEISTHENOUS STR., 15344 GERAKAS, ATHENS, GREECE, Greece ~72: SRYRIDON, Mavrokordopoulos~ 33:GR ~31:20230100084 ~32:02/02/2023

2024/00854 ~ Complete ~54:PHARMACEUTICAL COMPOSITION ~71:MEDINCELL S.A., 3 rue des Frères Lumière, France ~72: LÓPEZ-NORIEGA, Adolfo;SERINDOUX, Juliette~ 33:GB ~31:2111321.2 ~32:05/08/2021

2024/00860 ~ Complete ~54:METHOD ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ALISON CUMMINS;DAVID RICHARD ARTHUR MEALING;MATTHEW RHYS THOMAS;STEPHEN NORMAN BATCHELOR~ 33:EP ~31:21189815.0 ~32:05/08/2021

2024/00843 ~ Complete ~54:CATALYST FOR DEGRADING ORGANIC POLLUTANTS IN WASTEWATER AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Zhuo;LUO Hongyu;MAO Yanli;PENG Lanshi;YU Xiuna~

2024/00841 ~ Complete ~54:COMB-TOOTHED TYPE PEPPER HARVESTING DEVICE ~71:Xinjiang HeBen Agricultural Technology Co., Ltd, Room 1213-160, Building A, Talent Mansion, No. 2468, Development Avenue, Korla Economic Development Zone, Bayangol Mongolian Autonomous Prefecture, Korla City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: JIN Ruocheng;LI Guangxin;MA Yunhai;WU Zhaolei;YUAN Xiaowei;ZHAO Liwei;ZHENG Nan~

2024/00844 ~ Complete ~54:A PROCESSING METHOD FOR BEEF JERKY ~71:Henan Urban Architecture, Longxiang Street, New City District, Pingdingshan City, Henan Province, People's Republic of China ~72: Cheng Meidie;Dong Ziming;Duan Xiaoyan;Fan Yanru;Jing Lei;Ren Yahui;Zhang Sijin;Zheng Mengmeng~ 33:CN ~31:2023118138852 ~32:27/12/2023

2024/00852 ~ Complete ~54:PLUG WITH ANTI-OVERLOAD PROTECTION FUNCTION ~71:Hangzhou XiangHe Electric Appliance Co., Ltd., 3rd Floor, Factory Building No. 1, Chengnan Industrial Functional Zone, Meicheng Town, Jiande City, Hangzhou, Zhejiang, 311604, People's Republic of China ~72: ZHENG Ruxiang~ 33:CN ~31:2023234121174 ~32:14/12/2023

2024/00857 ~ Complete ~54:SEMI-OPEN HIGH-POWER DEVICE COOLING SYSTEM AND COOLING METHOD ~71:ENVISION ENERGY CO., LTD, No.3 Shenzhuang Road, Shengang Street, Jiangyin Wuxi, Jiangsu, 214443, People's Republic of China ~72: BAOHUAN SU;HENGHUI YANG;JIAN YANG;LINCHUAN TAN;LU YIN;NUBIN WU;RONG XU;XIONG CHEN~ 33:CN ~31:202110818155.6 ~32:19/07/2021

2024/00846 ~ Complete ~54:A METHOD FOR PREPARING A MO-MOF-DERIVED MOS₂ ROD-LIKE STRUCTURE COMPOSITE B-DOPED G-C₃N₄ THIN FILM PHOTOCATALYST ~71:Fujian Lang Mang Technology Co., Ltd, 75 Sanliting, Pucheng County, Fujian Province, People's Republic of China;TaiYuan University of Technology, No.79 Yingzexi Dajie, Wan Bailin District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Huang Huichuan;Liu Yiming;Wang Jian;Ye Shaofei;Zhang Wanggang~ 33:CN ~31:2023104127744 ~32:18/04/2023

2024/00849 ~ Complete ~54:A TUNNEL DEFORMATION DETECTION AND EARLY WARNING DEVICE FOR TUNNEL PROTECTION ~71:Southwest University of Science and Technology, A314, Special Laboratory Building, No. 59, Middle Section of Qinglong Avenue, Fucheng District, Mianyang City, Sichuan Province, 621000, People's Republic of China ~72: Biao Yang;Bin Liu;Chuankang Liao;Haoyang Wang;Jiahui Li;Liang Zuo;Lin Zhu;Lisha He;Longfan Zhu;Xia Li;Yaodong Luo;Yixiang Du;Yuhao Cheng;Zhangwen Hu;Zuopeng Feng~

2024/00853 ~ Complete ~54:METHODS FOR REDUCING TAU EXPRESSION ~71: BIOGEN MA INC., 225 Binney Street, Cambridge, MA, United States of America ~72: KORDASIEWICZ, Holly;LANE, Roger;LIN, Lin;NORRIS, Daniel, A.~ 33:US ~31:63/225,404 ~32:23/07/2021;33:US ~31:63/246,706 ~32:21/09/2021;33:US ~31:63/331,650 ~32:15/04/2022;33:US ~31:63/345,511 ~32:25/05/2022

2024/00859 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING 2,3,5-TRIMETHYL-6-NONYLCYCLOHEXA-2,5-DIENE-1,4-DIONE ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: AKM NASIR UDDIN;DHAVAL PATEL;MANDAR V DALI;SWATHI PINNAMANENI~ 33:US ~31:63/219,784 ~32:08/07/2021

2024/00864 ~ Complete ~54:EXPANDER DEVICE FOR KEEPING AN OPENING IN FOOD PACKAGING OPEN ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CIRHANOVA, Zlatomira;LOPES OLIVEIRA, Cristiane;RUEDA, Luis Fernando~ 33:EP ~31:21183124.3 ~32:01/07/2021

2024/00862 ~ Complete ~54:AMPHIBIOUS MOBILE CLASSROOM SYSTEM ~71:DAYN AMADE INVENTIONS LTD, 71-75 Shelton Street, London Greater London, United Kingdom ~72: AMADE, Dayn~ 33:GB ~31:2112487.0 ~32:02/09/2021

2024/00867 ~ Complete ~54:IRON COMPLEX COMPOUNDS FOR SUBCUTANEOUS USE IN THERAPY OF IRON DEFICIENCY IN COMPANION ANIMALS ~71:PHARMACOSMOS HOLDING A/S, Rørvangsvej 30, Denmark ~72: ANDREASEN, Hans B.;CHRISTENSEN, Tobias S.;GULDBERG, Simon M~ 33:EP ~31:21189392.0 ~32:03/08/2021

2024/00848 ~ Complete ~54:A DYNAMIC CONCENTRATION DETECTION DEVICE AND METHOD FOR COAL SLURRY ~71:Taiyuan University of Technology, No.79 Yingze West Street, Taiyuan, Shanxi, People's Republic of China ~72: Dong Xianshu;Fan Yuping;Li Fang;Ma Xiaomin;Zhang Yangyang~ 33:CN ~31:2023102631873 ~32:17/03/2023

2024/00865 ~ Complete ~54:EXONUCLEASE-COUPLED REAL-TIME ENDONUCLEASE ACTIVITY ASSAY ~71:Caribou Biosciences, Inc., 2929 7th Street, Suite 105, BERKELEY 94710, CA, USA, United States of America ~72: SMITH, Stephen~ 33:US ~31:63/272,091 ~32:26/10/2021

2024/00842 ~ Complete ~54:DATA FORWARDING METHOD BASED ON SERIAL PROTOCOL FOR BLUETOOTH GATEWAY ~71:Beijing Youguo Technology Co., Ltd, Room D101A-59, 1 / F, B-2, Dongsheng Technology Park, Zhongguancun, 66 XiXiaokou Road, Haidian District, Beijing, 100192, People's Republic of China ~72: LIU,SIZHONG;RONG, GE;YU, CHENCHAO~ 33:CN ~31:202311103680.5 ~32:30/08/2023

2024/00845 ~ Complete ~54:APPLICATION OF TRIBUTYRIN IN CULTIVATION OF TAIHE BLACK-BONE SILKY FOWLS ~71:Jiangxi Agricultural University, No. 1101 Zhimin Avenue, Qingshanhu District, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: CHEN, Chuanbin;GUO, Xiaoquan;LIANG, Huan;MEI, Wenliang;QU, Mingren;WAN, Gen;XU, Lanjiao~ 33:CN ~31:202311509233X ~32:14/11/2023

2024/00850 ~ Complete ~54:A SEED DRILL WITH SYNCHRONOUS SOIL COVERING FUNCTION ~71:LU'AN XIANGCHUAN TECHNOLOGY CO., LTD, 80m East Of Huaibin Road And Linfeng Road, Linhuaigang Township, Huoqiu County, Lu'an City, Anhui Province, 237400, People's Republic of China ~72: Xiaolong Cheng;Xiuqin Hu~ 33:CN ~31:202310337745.6 ~32:31/03/2023

2024/00858 ~ Complete ~54:CARBONACEOUS MATERIALS FOR USE IN METHODS OF MANUFACTURING ACTIVATED CARBON ~71:ARQ IP LIMITED, 64 New Cavendish Street, London, W1G 8TB, United Kingdom ~72: DAVID MAZYCK;JERAMIE JOSEPH ADAMS;JOHN FRANCIS UNSWORTH;REGINA RODRIGUEZ;SETH TAYLOR BASSHAM;STEPHEN CARL PASPEK~ 33:US ~31:63/216,641 ~32:30/06/2021

2024/00872 ~ Complete ~54:SURFACE ACOUSTIC WAVE AMPLIFIER CAPABLE OF ACHIEVING WAVELET RECONSTRUCTION FUNCTION ~71:NANTONG UNIVERSITY, No. 9, Seyuan Road, Nantong, People's

Republic of China ~72: JIANG, Hua;JIANG, Jianwei;YANG, Yongjie;ZHANG, Guoan~ 33:CN
~31:202110959332.2 ~32:20/08/2021

2024/00871 ~ Complete ~54:MODIFIED COLLOIDAL PARTICLES FOR USE IN THE TREATMENT OF HAEMOPHILIA A ~71:CANTAB BIOPHARMACEUTICALS PATENTS LIMITED, Palazzo Pietro Stiges, Malta ~72: WOLF-GARRAWAY, Richard~ 33:GB ~31:2111758.5 ~32:17/08/2021

- APPLIED ON 2024/01/26 -

2024/00898 ~ Complete ~54:CROSS-SATELLITE ORBIT HEALTH DATA TRANSMISSION SYSTEM ~71:GUIZHOU YOUPIIN SLEEP HEALTH INDUSTRY CO., LTD, 4 / F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang~

2024/00899 ~ Complete ~54:A LID FOR A CONTAINER AND PACKAGING ~71:SolvPac (Pty) Ltd, 4 Xolisa (Yellow) Street, Ezakheni Industrial Park, Ladysmith, 3370, SOUTH AFRICA, South Africa ~72: MARQUISS, Rory Vernon~ 33:ZA ~31:2023/01094 ~32:26/01/2023

2024/00903 ~ Complete ~54:POLYPEPTIDES USEFUL FOR GENE EDITING AND METHODS OF USE ~71:LIFEEDIT THERAPEUTICS, INC., 104 T.W. Alexander Drive, Building 20, Research Triangle Park, North Carolina, 27709, United States of America ~72: ALEXANDRA BRINER CRAWLEY;MARK MOORE;MICHAEL LASSNER;RODOLPHE BARRANGOU;TEDD D ELICH;TYSON D BOWEN~ 33:US ~31:62/785,391 ~32:27/12/2018;33:US ~31:62/790,256 ~32:09/01/2019;33:US ~31:62/790,258 ~32:09/01/2019;33:US ~31:62/790,261 ~32:09/01/2019;33:US ~31:62/790,262 ~32:09/01/2019;33:US ~31:62/790,266 ~32:09/01/2019;33:US ~31:62/932,169 ~32:07/11/2019

2024/00914 ~ Complete ~54:CLOSURE FOR CONTAINERS WITH EVIDENCE OF FIRST OPENING ~71:TORRENT INNOVA, S.L., Lugar el Martillo s/n E-11500 El Puerto de Santa María, Cádiz, Spain ~72: EDUARDO JIMÉNEZ GÁLVEZ;JORGE ANTONIO GUERRERO GAMAZA~ 33:EP ~31:21382570.6 ~32:29/06/2021

2024/00918 ~ Complete ~54:HUMANIZED ANTI-C5A ANTIBODIES AND USES THEREOF ~71:Kira Pharmaceuticals (Suzhou) Ltd., 218 Xinghu Street, A4 Building, Unit 507, Suzhou Industrial Park, SUZHOU CITY 215000, JIANGSU, CHINA (P.R.C.), People's Republic of China;The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: GULLIPALLI, Damodara Rao;MIWA, Takashi;QI, Shigang;SATO, Sayaka;SONG, Wenchao;TSUI, Ping;ZHANG, Jianjun;ZHU, Xihua~ 33:IB ~31:2021/121959 ~32:29/09/2021

2024/00919 ~ Complete ~54:METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A POLYMER USING A REUSABLE CATALYST ~71:Ioniqa Technologies B.V., De Lismortel 31, EINDHOVEN 5612 AR, THE NETHERLANDS, Netherlands ~72: DE GROOT, Michael Josef;FUFACEV, Egor Vasilyevich;WOLTERS, Joost Robert~ 33:NL ~31:2028883 ~32:29/07/2021

2024/00923 ~ Complete ~54:SINGLE-CELL PROFILING OF RNA TRANSLATION STATUS ~71:Massachusetts Institute of Technology, 77 Massachusetts Avenue, CAMBRIDGE 02139, MA, USA, United States of America;The Broad Institute, Inc., 415 Main Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: REN, Jingyi;WANG, Xiao;ZENG, Hu~ 33:US ~31:63/216,315 ~32:29/06/2021

2024/00882 ~ Complete ~54:A TUBULAR MODIFIED KAOLIN GRAFTED CHITOSAN COMPOSITE MATERIAL ADSORBENT, ITS PREPARATION METHOD, AND APPLICATION. ~71:Taiyuan University of Technology,

No.79 Yingze West Street, Taiyuan, Shanxi, People's Republic of China ~72: Dong Xianshu;Fan Yuping;Fu Yuanpeng;Liu Rui;Ma Xiaomin~ 33:CN ~31:2023115743542 ~32:23/11/2023

2024/00890 ~ Complete ~54:ZN-CUGAO2@CMK-3 COMPOSITE MATERIAL, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: Chen Yongfeng;Sun Yufeng;Wang Ximo;Xu Zhixiang;Zhang Hengjian~ 33:CN ~31:2023115133293 ~32:14/11/2023

2024/00894 ~ Complete ~54:MULTIFUNCTION LUOYANG SHOVEL FOR INVESTIGATING SOIL AND SOLID WASTE POLLUTION ~71:BGRIMM TECHNOLOGY GROUP, BUILDING 23, ZONE 18, HEADQUARTER BASE, NO. 188 SOUTH FOURTH RING WEST ROAD, People's Republic of China ~72: FAN, Shukai;LI, Fangze;LIN, Xingjie;MIAO, Yu;PANG, Zhikun;SONG, Shuang;TAN, Haiwei;ZHANG, Chi;ZHANG, Ge~

2024/00928 ~ Complete ~54:APPARATUS AND METHOD FOR REAGENTIZING AND AERATING FEED TO FLOTATION MACHINES ~71:FLSmith A/S, Vigerslev Alle 77, VALBY 2500, DENMARK, Denmark ~72: CHRISTODOULOU, Lance;DABROWSKI, Bartosz;PARROTT, Jacob~ 33:US ~31:63/226,174 ~32:28/07/2021

2024/00875 ~ Provisional ~54:A DEVICE FOR HANGING PICTURE FRAMES AND OTHER OBJECTS TO A VERTICAL SUPPORT SURFACE ~71:NEW IDEAS (PTY) LTD., 52A Dawncliffe Road, Westville, Durban, South Africa ~72: ANDRE SEAN ARNULPHY;ETIENNE IVAN ARNULPHY;ROGER JEAN ARNULPHY~

2024/00879 ~ Complete ~54:A REMOTE SENSING DETECTION AND EVALUATION METHOD FOR SALINE-ALKALI LAND ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, No. 22 Zhaojun Road, Yuquan District, People's Republic of China ~72: BAO, Junwei;GUO, Baomin;GUO, Shuting;JI, Shiyu;Tingting REN;WANG, Baolin;WU LAN, Tuya~

2024/00888 ~ Complete ~54:ADJUSTABLE MOXIBUSTION INSTRUMENT ~71:Quzhou People's Hospital, 100 Minjiang Avenue, Kecheng District, Quzhou, Zhejiang, People's Republic of China ~72: Jianhua Yang;Lihua Zheng;Runcheng Yang~

2024/00891 ~ Complete ~54:SPRING-TOOTH TYPE RESIDUAL FILM PICKUP RECYCLING MACHINE ~71:Northwest A & F University, Northwest A & F University, No.3 Taicheng Road, Yangling, Shaanxi, People's Republic of China ~72: Aliaksandr Ivanistau;Feng Baili;Gao Jinfeng;Gao Xiaoli;Li Jiang;Liang Jibao;Wang Honglu;Yang Pu;Yang Qinghua~

2024/00905 ~ Complete ~54:COMPRESSION MOLDED DOUBLE WALL BLOCKS FOR A PALLET AND ASSOCIATED METHODS ~71:CHEP TECHNOLOGY PTY LIMITED, Level 29, 255 George Street, Sydney, Australia ~72: GEROU, Christopher John;WHITFIELD SR., Dwight Bryan~ 33:US ~31:63/239,501 ~32:01/09/2021;33:US ~31:17/820,598 ~32:18/08/2022

2024/00925 ~ Complete ~54:PEPTIDES AND ENGINEERED T CELL RECEPTORS TARGETING FANCI, RAD51, AND PBK ANTIGENS AND METHODS OF USE ~71:Board of Regents, The University of Texas System, 210 West 7th St., AUSTIN 78701, TX, USA, United States of America ~72: CHIU, Yulun;PAN, Ke;YEE, Cassian~ 33:US ~31:63/223,450 ~32:19/07/2021

2024/00884 ~ Complete ~54:CALCULATION METHOD AND RESET METHOD OF OFFSET OF BELT CONVEYOR RIGID CONNECTORS ~71:National Energy Group Ningxia Coal Industry Co., Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China;Ningxia Tiandi Northwest Coal Machinery Co., Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: GAO Xinfei;HAI Bin;HAN Fangjun;HU Qiulin;LIU Zengjie;LUO Tingfeng;MA Yue;MA Zhao;SONG Kang;TIAN Yanjun;WANG Zhanguai;WU Tao;YANG Tao;ZHANG Fenyoun~

2024/00885 ~ Complete ~54:CATALYST FOR DEGRADING DYE WASTEWATER AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Zhuo;LUO Hongyu;MAO Yanli;PENG Lanshi;YU Xiuna~

2024/00912 ~ Complete ~54:DEOPTIMIZED SARS-COV-2 VARIANTS AND METHODS AND USES THEREOF ~71:CODAGENIX INC., 3 Bioscience Park Drive Building II, Suite 501, Farmingdale, New York, 11735, United States of America;SERUM INSTITUTE OF INDIA PRIVATE LIMITED, 212/2, Off Soli Poonawalla Road, Hadapsar, Pune, 411028, India ~72: CHEN YANG;JOHN ROBERT COLEMAN;STEFFEN MUELLER;YING WANG;YUTONG SONG~ 33:US ~31:63/219,263 ~32:07/07/2021

2024/00917 ~ Complete ~54:COMPOSITION COMPRISING AT LEAST ONE OXIDATION DYE, 1,3-PROPANEDIOL, AT LEAST ONE ALKALINE AGENT AND AT LEAST ONE FATTY SUBSTANCE ~71:L'oreal, 14, rue Royale, PARIS 75008, FRANCE, France ~72: BOULEMNAKHER, Sarah;BRUYERE, Julie;COTTARD-MEI, Laurence;GIAFFERI, Marie;MOUEDDENE, Hanène;NIETO, Maria~ 33:FR ~31:2107050 ~32:30/06/2021;33:FR ~31:2107058 ~32:30/06/2021

2024/00900 ~ Complete ~54:UNDERGROUND DRILL RIG AND SYSTEMS AND METHODS OF USING SAME ~71:LONGYEAR TM, INC., 2455 South 3600 West, United States of America ~72: BARRETT, David;CLAUSEN, Paul;CORBOY, Steve;FOX, Shane;GAGNE, Lee;MORONEY, Geoff~ 33:US ~31:62/826,377 ~32:29/03/2019

2024/00913 ~ Complete ~54:A PHARMACEUTICAL PRODUCT CONTAINING TASQUINIMOD AND A METHOD FOR ASSESSING THE PURITY OF SAID PRODUCT ~71:ACTIVE BIOTECH AB, Scheelevägen 22, 223 63, Lund, Sweden ~72: HANS WÄNNMAN~ 33:EP ~31:21183481.7 ~32:02/07/2021

2024/00915 ~ Complete ~54:PHARMACEUTICAL COMPOSITION AND USE THEREOF ~71:NEURODAWN PHARMACEUTICAL CO., LTD., L3244, 3rd Floor, Chuangye Building, No. 1009 Tianyuan East Road, Jiangning District, Nanjing, Jiangsu, 211199, People's Republic of China ~72: FANG FANG;FULONG LI;RONG CHEN;SHIBAO YANG;WEIDONG YANG;ZHENGPIG ZHANG~ 33:CN ~31:202110742036.7 ~32:01/07/2021

2024/00920 ~ Complete ~54:RECOMBINANT ANTIGEN FOR INDUCING AN IMMUNE RESPONSE AGAINST THE ZIKA VIRUS ~71:Centro de Ingeniería Genética y Biotecnología, Avenida 31 No. 15802, entre 158 y 190, Cubanacán, Playa, LA HABANA 11600, CUBA, Cuba ~72: BRUNO DARDER, Andy Jesús;COBAS ACOSTA, Karem;GIL GONZALEZ, Lázaro;GUILLEN NIETO, Gerardo Enrique;HERMIDA CRUZ, Lisset;LAZO VÁZQUEZ, Laura;PÉREZ FUENTES, Yusleidi de la Caridad;ROMERO FERNÁNDEZ, Yaremis;SUZARTE PORTAL, Edith;VALDÉS PRADO, Iris~ 33:CU ~31:2021-0063 ~32:28/07/2021

2024/00876 ~ Provisional ~54:A SEALING DEVICE ~71:VAN DEN BERG, Jan, Dirk, Johannes, 22 CYPRESS CRESCENT, JIM FOUCHEPARK, WELKOM, SOUTH AFRICA, South Africa ~72: VAN DEN BERG, Jan, Dirk, Johannes~

2024/00877 ~ Complete ~54:HEALTH MANAGEMENT SYSTEM BASED ON MOBILE COMMUNICATION ~71:GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD, Nansha District, Dongyong Town, Dongshen Village No. 5 factory floor, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang;YANG, Dingguang~

2024/00881 ~ Complete ~54:CLINICAL CARDIOPULMONARY AND CEREBRAL RESUSCITATION RESCUE DEVICE FOR EMERGENCY INTERNAL MEDICINE ~71:Shaanxi Provincial People's Hospital(Shaanxi Clinical Medical Research Institute), No. 256, Youyi West Road, Xi'An City, Shaanxi, People's Republic of China ~72: Yingying Fu~

2024/00886 ~ Complete ~54:INTEGRATED SAND AND GRAVEL SORTING AND CLEANING DEVICE ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: FU Hao;NI Hongmei;WU Zhen;ZHANG Huiping;ZHANG Yongcun~

2024/00889 ~ Complete ~54:MILLET FILM PRECISION HILL PLANTER FOR ARID AREAS ~71:NORTHWEST A & F UNIVERSITY, NORTHWEST A & F UNIVERSITY, NO. 3 TAICHENG ROAD, People's Republic of China ~72: ALIAKSANDR, Ivanistau;FENG, Baili;GAO, Xiaoli;LI, Jiang;WANG, Hongliang;WANG, Honglu;YANG, Pu;YANG, Qinghua~

2024/00893 ~ Complete ~54:DRAWER TRACK COMBINING EXTRUDED ALUMINUM PROFILES AND SPHERICAL BEARINGS, AND VEHICLE-MOUNTED STORAGE DRAWER THEREOF ~71:Guanwen WANG, No. 4, Unit 3, Building 2, No. 2, North Guojiaqiao Street, Wuhou District, Chengdu, People's Republic of China ~72: Guanwen WANG~ 33:CN ~31:2023109663822 ~32:02/08/2023

2024/00897 ~ Complete ~54:DESCRIPTION TEXT GENERATION METHOD FOR VIDEO SCENES OF RURAL CULTURAL TOURISM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DU Juan;HUANG Wei;JIANG Pengle;REN Huijuan;SHI Chungge;TANG Xihui;YOU Peibo~

2024/00906 ~ Complete ~54:PYRAZOLOPYRIDINONE COMPOUNDS ~71:BEIGENE SWITZERLAND GMBH, Aeschengraben 27, Switzerland;BEIGENE, LTD, c/o Mourant Governance Services (Cayman) Limited, 94 Solaris Avenue, Cayman Islands ~72: MIAO, Jianzhuang;NI, Zhikun;WANG, Ce;ZHANG, Guoliang~ 33:CN ~31:PCT/CN2021/110407 ~32:03/08/2021;33:CN ~31:PCT/CN2022/103862 ~32:05/07/2022;33:CN ~31:PCT/CN2022/106484 ~32:19/07/2022

2024/00909 ~ Complete ~54:DRUG FOR CORRECTION OF MITOCHONDRIAL DYSFUNCTION ~71:LASKAVY, Vladislav Nikolaevich, ul. Ust-Kurdyumskaya, d. 4, kv. 174 g., Saratov, 410018, Russian Federation ~72: LASKAVY, Vladislav Nikolaevich;SHURDOV, Mikhail Arkadevich~ 33:RU ~31:2021120402 ~32:12/07/2021

2024/00922 ~ Complete ~54:PROCESSES FOR THE PREPARATION OF (S)-2-(4-CHLORO-2-METHOXYPHENYL)-2-((3-METHOXY-5-(METHYLSULFONYL)PHENYL)AMINO)-1-(1H-INDOL-3-YL)ETHENONE DERIVATIVES ~71:Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: COESEMANS, Erwin;ERIKSSON, Carl Arne Magnus;OOST, Rik;SCHWEITZER-CHAPUT, Bertrand;WU, Kai~ 33:IB ~31:2021/103244 ~32:29/06/2021;33:IB ~31:2022/091064 ~32:06/05/2022

2024/00924 ~ Complete ~54:ANTIGEN BINDING PROTEINS SPECIFICALLY BINDING CT45 ~71:Immatics Biotechnologies GmbH, Paul-Ehrlich-Str. 15, TÜBINGEN 72076, GERMANY, Germany ~72: BRUNK, Fabian;BUNK, Sebastian;MAURER, Dominik;MORITZ, Andreas;UNVERDORBEN, Felix;WAGNER, Claudia;YOUSEF, Sara~ 33:EP ~31:21188018.2 ~32:27/07/2021;33:US ~31:63/203,582 ~32:27/07/2021;33:US ~31:63/335,399 ~32:27/04/2022

2024/00926 ~ Complete ~54:DEVICES, SYSTEMS AND METHODS FOR PROCESSING ~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, 8th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: CINICOLA, Daniel P.;MISRA, Tushar Kanti;SELTSER, Olga~ 33:US ~31:63/203,638 ~32:27/07/2021

2024/00929 ~ Complete ~54:DUAL FUNCTION WATER HEATER AND AIR-CONDITIONING UNIT ~71:Vaviri (Pty) Ltd, 28 Syringa Place, Doonside, Amanzimtoti, South Africa ~72: MCRAE, Gordon~ 33:ZA ~31:2021/05214 ~32:23/07/2021

2024/00901 ~ Complete ~54:METHOD FOR QUBIT-BASED MANAGEMENT OF SLEEP DATA ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang~

2024/00908 ~ Complete ~54:GAS CYLINDER REFILLING SYSTEM, GAS CYLINDER, FILLING STATION, AND GAS CYLINDER REFILLING METHOD ~71:SENSIFY (UK) LIMITED, Unit 6.09 1 Lyric Square, United Kingdom ~72: STOLS, Dijon~ 33:GB ~31:2111257.8 ~32:04/08/2021

2024/00902 ~ Complete ~54:FLUSHING APPARATUS AND METHOD ~71:VAN DER RYST, HENDRIK JOHANNES, UNIT 2, 366 4TH ROAD, MOLENHOFF COUNTRY ESTATE, South Africa ~72: VAN DER RYST, HENDRIK JOHANNES~ 33:ZA ~31:2023/01128 ~32:27/01/2023

2024/00874 ~ Provisional ~54:DRILL RIGS ~71:VAN HEERDEN, Willem Frederik, 47 18th Street, Menlo Park, Pretoria 0081, Gauteng, SOUTH AFRICA, South Africa ~72: VAN HEERDEN, Willem Frederik~

2024/00878 ~ Complete ~54:A METHOD AND A SYSTEM FOR MONITORING THE GROWTH PROCESS OF CROP BASED ON REMOTE SENSING IMAGE ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, No. 22 Zhaojun Road, Yuquan District, People's Republic of China ~72: BAO, Junwei;GUO, Baomin;GUO, Shuting;JI, Shiyu;Tingting REN;WANG, Baolin;WU LAN, Tuya~

2024/00880 ~ Complete ~54:CATALYST FOR DEGRADING ANTIBIOTIC WASTEWATER AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Zhuo;LUO Hongyu;MAO Yanli;PENG Lanshi;YU Xiuna~

2024/00883 ~ Complete ~54:STRIP TYPE DEEP-BURYING MACHINE FOR CRUSHING BUNDLED MILLET STRAW ~71:NORTHWEST A & F UNIVERSITY, NORTHWEST A & F UNIVERSITY, NO. 3 TAICHENG ROAD, People's Republic of China ~72: ALIAKSANDR, Ivanistau;CHEN, Haiyang;FENG, Baili;LI, Jiang;LI, Yang;WANG, Honglu;YANG, Pu;YANG, Qinghua~

2024/00887 ~ Complete ~54:AN EXTRA-MEDULLARY POSITIONING TOOL AND OSTEOTOMY METHOD FOR DISTAL FEMUR IN TOTAL KNEE ARTHROPLASTY ~71:Songlei Wang, No. 2, Xuefengshan Road, Suyu District, Suqian, Jiangsu, People's Republic of China ~72: Cuijuan Ma;Hao Meng;Linchen Bai;Songlei Wang;Wei Song;Yiliang Zhang~ 33:CN ~31:2023108948622 ~32:20/07/2023

2024/00892 ~ Complete ~54:PREFABRICATED EARTHQUAKE-RESISTANT STRUCTURE FOR CIVIL ENGINEERING AND EARTHQUAKE-RESISTANT METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GUO Pinggong;LI Peng;MA Zhengwei;QU Songzhao;WANG Yi;WU Hairong;XUE Na;YOU Peibo;ZHAO Jin;ZHENG Chao~

2024/00895 ~ Complete ~54:SYSTEM FOR MANAGING HEALTH DATA UTILIZING RADIO FREQUENCY CHIP ~71:GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD, Nansha District, Dongyong Town, Dongshen Village No. 5 factory floor, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang~

2024/00910 ~ Complete ~54:METHOD FOR AUTHENTICATING A HIGH-VALUE ITEM ~71:SEIB, Wolfgang, Eichenweg 12, Germany ~72: SEIB, Wolfgang~ 33:DE ~31:20 2021 002 500.6 ~32:27/07/2021

2024/00916 ~ Complete ~54:HOMOGENIZED COATED PARTICLE DISPERSION FUEL AND PREPARATION METHOD THEREFOR ~71:China Nuclear Power Engineering Co., Ltd., No. 117 West Third Ring North Road,

Haidian District, BEIJING 100840, CHINA (P.R.C.), People's Republic of China ~72: DONG, Jianhua;HE, Kai;JIANG, Xiaochuan;YAO, Hong;ZHANG, Chenglong;ZHANG, Shuoting;ZHU, Siyang~ 33:CN ~31:202111026524.4 ~32:02/09/2021

2024/00896 ~ Complete ~54:METHOD FOR CONTROLLING EXOTIC WEEDS BY ALTERNARIA ALTERNATA ~71:JINGGANGSHAN UNIVERSITY, No.28, Xueyuan Road, Qingyuan District, Ji 'an City, Jiangxi Province, 343009, People's Republic of China ~72: LIAO Da;LIAO Xinjun;SU Qitao;YAN Xiaohong;ZHOU Bing~

2024/00907 ~ Complete ~54:METHOD FOR PRODUCING AN ALUMINUM STRIP AND CASTING-ROLLING SYSTEM FOR PRODUCING AN ALUMINUM STRIP ~71:SMS GROUP GMBH, Eduard-Schloemann-Str. 4, Germany ~72: Guido FICK;Markus FISCHER;Michael BREUER;Michael SCHÄFER~ 33:DE ~31:10 2021 208 437.0 ~32:04/08/2021

2024/00911 ~ Complete ~54:METHOD FOR PRODUCING SINGLE CRYSTAL DIAMOND, AND SINGLE CRYSTAL DIAMOND ~71:DISCO CORPORATION, 13-11, Omori-Kita 2-chome, Ota-ku, Tokyo 1438580, Japan;IOFFE INSTITUTE, 26, Politekhnikeskaya, St Petersburg 194021, Russian Federation ~72: ALEXANDER VUL;FEDOR SHAKHOV;KANJI IIZUKA;RYUJI OSHIMA~ 33:JP ~31:2021-106509 ~32:28/06/2021

2024/00921 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: LIAO, Yuxi;LU, Xiaojing;SHI, Manying;WANG, Xiaojun;ZHANG, Yuchen~ 33:CN ~31:202110884865.9 ~32:03/08/2021

2024/00927 ~ Complete ~54:METHOD FOR PRODUCING A MELT CONTAINING MANGANESE ~71:ThyssenKrupp Steel Europe AG, Kaiser-Wilhelm-Straße 100, DUISBURG 47166, GERMANY, Germany ~72: JÄGER, Nils;SCHUBERT, Daniel;SEMLEIT, Lisa;SUER, Julian~ 33:DE ~31:10 2021 122 230.3 ~32:27/08/2021

2024/00904 ~ Complete ~54:METHOD FOR IDENTIFYING KEY FACTORS OF FOREST BIOMASS ESTIMATION BASED ON MULTI-MODAL DATA FUSION ~71:Institute of Forest Resource Information Techniques CAF, No.1 Dongxiaofu, Qinglongqiao Street, Xiangshan Road, Haidian District, Beijing City, 100091, People's Republic of China ~72: Cao Shanshan;Hou Ruixia;Li Quansheng;Mao Yanxin;Sun Wei;Zhang Zhiyong~ 33:CN ~31:202410023505.3 ~32:08/01/2024

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2023/07285	LOCUS BONUM AB	SHIELDPATROL INVEST AB
2022/01952	PARASYM PTY LTD	PARASYM LTD
2010/02890	RICHARD STANLEY MICHAEL FENTON, JAN FENTON (deceased), HUGH SIMON LINDO and ALOIS SCHINDLER	KAACK DOUGH TECHNOLOGY B.V.
2010/06337	EXOSANA AB	EXOSANA S.A.
2022/07496	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	DAVEY BICKFORD
2017/00301	SOLURAL PHARMA APS	PEBEAN PHARMA APS
2023/04939	POPOWSKI, GEORG	PELVIRAY IP LTD
2021/00191	EXFO SOLUTIONS SAS	EXFO INC.
2023/04937	POPOWSKI, GEORG	PELVIRAY IP LTD
2023/04929	POPOWSKI, GEORG	PELVIRAY IP LTD
2020/02113	AMBERCON TECHNOLOGY (UK)	WITTER, RAIKER

Application Number	Assignor	Assignee
	LIMITED	
2023/10918	B. BRAUN MEDICAL INC.	B. BRAUN MELSUNGEN AG
2011/05199	ONTOLOGY-PARTNERS LTD	EXFO SOLUTIONS SAS
2018/06087	EINZIGER, MICHAEL AND SIMPSON, ANN MARIE	VERSCOLOR TECHNOLOGIES, LLC
2014/04122	MERIAL LIMITED	MERIAL INC.
2014/04122	MERIAL INC.	BOEHRINGEWR INGELHEIM ANIMAL HEALTH USA INC.
2014/04122	BOEHRINGEWR INGELHEIM ANIMAL HEALTH USA INC.	BOEHRINGER INGELHEIM VETMEDICA GMBH
2018/06675	MERIAL INC.	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.
2018/06675	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	BOEHRINGER INGELHEIM VETMEDICA GMBH
2019/06464	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	BOEHRINGER INGELHEIM VETMEDICA GMBH
2023/11615	DINGGUAN CITY UNIVERSITY	MACAO POLYTECHNIC UNIVERSITY
2022/00991	HUAINAN NORMAL UNIVERSITY	ANHUI YIDIAN TECHNOLOGY CO., LTD.
2020/00959	TOHOKU UNIVERSITY	NEUSIGNAL THERAPEUTICS, INC.
2022/04484	DAVID MARSHALL HUDSON	ROBOS INTERNATIONAL LIMITED
2006/08072	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2006/10746	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2007/07319	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2008/07935	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2009/02530	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2009/05974	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2010/007513	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2011/05565	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2011/06349	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2007/07319	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2013/05492	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2011/07827	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2016/03095	BAYER INTELLECTUAL PROPERTY GMBH	BAYER ANIMAL HEALTH GMBH
2022/13433	GERON CORPORATION	HALOZYME, INC.
2021/03503	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/05977	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/03419	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/06924	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC

Application Number	Assignor	Assignee
2021/07229	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/03816	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/07037	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/03551	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/10491	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2022/02725	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/10809	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/10750	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2021/10493	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2022/10695	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2023/03867	GENERAL ELECTRIC COMPANY	GE GRID SOLUTIONS LLC
2019/02436	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2019/05842	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2020/00539	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2021/02454	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2021/04666	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2021/03548	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2007/04483	CONSTRUCTION RESEARCH & TECHNOLOGY GMBH	SIKA TECHNOLOGY AG
2015/05013	FER-MIN-ORE (PTY) LTD	ARXO TECHNOLOGIES LIMITED
2008/05183	DAMIAN E. RODRIGUEZ	THE RODRIGUEZ AND TABEL FAMILY REVOCABLE TRUST DATED JULY 28, 2015, AS AMENDED ON NOVEMBER 19, 2019
2023/04825	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2023/05886	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2022/11076	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2022/07553	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2021/04314	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2014/06324	STICHTING KATHOLIEKE UNIVERSITEIT	SPACS COMPOUND HOLDING B.V.
2021/09369	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2021/06010	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2013/08120	GENERAL ELECTRIC COMPANY	GENERAL ELECTRIC TECHNOLOGY GMBH
2020/04238	UNIENERGY TECHNOLOGIES, LLC	VENTURE LENDING & LEASING VIII, INC., aka WT1
2009/07997	LURGI CLEAN COAL TECHNOLOGY (PTY) LTD	NALWA SPECIA STEEL (RAIGARH) LIMITED
2010/02407	LURGI CLEAN COAL TECHNOLOGY (PTY) LTD	NALWA SPECIA STEEL (RAIGARH) LIMITED
2021/03230	MOCS CIPP B.V.	PIPE-AQUA-TEC GMBH & CO. KG
2015/02684	RAYNER SURGICAL INC.	RAYNER SURGICAL (IRELAND) LIMITED
2022/03360	SICHUAN HAISCO PHARMACEUTICAL CO., LTD., LIAONING HAISCO PHARMACEUTICAL CO., LTD.	XIZANG HAISCO PHARMACEUTICAL CO., LTD

Application Number	Assignor	Assignee
	And HAISCO PHARMACEUTICAL GROUP CO., LTD.	
2019/02273	NIMBUS LAKSHMI, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2016/05922	WINNINGTON AB	BRITISH AMERICAN TOBACCO SWEDEN AB
2023/09164	GENETHON INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) UNIVERSITE D'EVRY VAL D'ESSONNE	SORBONNE UNIVERSITE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ASSOCIATION INSTITUT DE MYOLOGIE GENETHON INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) UNIVERSITE D'EVRY VAL D'ESSONNE
2019/02140	GENETHON SORBONNE UNIVERSITE	INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ASSOCIATION INSTITUT DE MYOLOGIE GENETHON SORBONNE UNIVERSITE
2019/02141	GENETHON INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) UNIVERSITE D'EVRY VAL D'ESSONNE	SORBONNE UNIVERSITE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ASSOCIATION INSTITUT DE MYOLOGIE GENETHON INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) UNIVERSITE D'EVRY VAL D'ESSONNE
2017/01006	SANOFI-AVENTIS DEUTSCHLAND GMBH	NATTERMANN & CIE. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG
2017/01007	SANOFI-AVENTIS DEUTSCHLAND GMBH	NATTERMANN & CIE. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG
2008/03985	SANOFI-AVENTIS U.S. LLC	CHATTEM, INC.
2023/03361	POTGIETER, PAUL	HYDROGEN ENTERPRISES (PTY) LTD
2023/07715	ONCORUS, INC.	ELEVATEBIO TECHNOLOGIES, INC.
2012/09178	BOEHRINGER INGELHEIM INTERNATRIONAL GMBH	SANOFI-AVENTIS DEUTSCHLAND GMBH
2012/09178	SANOFI-AVENTIS DEUTSCHLAND GMBH	NATTERMANN & CIE. GESELLSCHAFT MIT BESCHRANKTER HAFTUNG
2022/01398	JIANGXI NORMAL UNIVERSITY	JIANGXI LIANPU PEOPLE AGRICULTURAL SCIENCE AND TECHNOLOGY CO., LTD
2015/07322	TAKEDA PHARMACEUTICAL COMPANY LIMITED	SCOHIA PHARMA, INC.
2005/08313	BAYER PHARMA AKTIENGESELLSCHAFT	GRUNENTHAL GMBH
2021/07428	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	BOEHRINGER INGELHEIM VETMEDICA GMBH
2020/02562	HEBERLEIN AG	RN ACQUI V SA
2022/09069	LEGEND BIOTECH USA INC.	LEGEND BIOTECH IRELAND LIMITED
2022/06438	LEGEND BIOTECH USA INC.	LEGEND BIOTECH IRELAND LIMITED
2022/06437	LEGEND BIOTECH USA INC.	LEGEND BIOTECH IRELAND LIMITED
2007/02248	NATHAN FRANKEL	ADVANCED STEEL RECOVERY, LLC

Application Number	Assignor	Assignee
2017/04766	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2022/02127	LEGEND BIOTECH USA INC.	LEGEND BIOTECH IRELAND LIMITED
2020/00491	SICHUAN HAISCO PHARMACEUTICAL CO., LTD.	XIZANG HAISCO PHARMACEUTICAL CO., LTD.
2006/09162	SANOFI MATURE IP	EUROAPI FRANCE
2011/00399	TEIJIN ARAMID B.V.	BARRMAX CORP.
2023/06652	SICHUAN HAISCO PHARMACEUTICAL CO., LTD.	XIZANG HAISCO PHARMACEUTICAL CO., LTD.
2019/01740	KBP BIOSCIENCES PTE. LTD.	NOVO NORDISK A/S
2021/06376	KBP BIOSCIENCES PTE. LTD.	NOVO NORDISK A/S
2015/04485	KBP BIOSCIENCES PTE. LTD.	NOVO NORDISK A/S
2018/06631	METSO MINERALS INDUSTRIES, INC.	METSO OUTOTEC USA INC.
2021/05566	SANOFI	EUROAPI FRANCE
2021/01352	IMARA	CARDURION PHARMACEUTICALS, INC.
2023/10569	NANT HOLDINGS IP, LLC	IMMUNITYBIO, INC.
2014/09038	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2014/09037	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2013/04780	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2013/04899	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2011/06207	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2013/04007	VELOS MEDIA INTERNATIONAL LIMITED	SONY GROUP CORPORATION
2017/01671	ASTELLAS PHARMA INC.	CYTOKINETICS INC.,

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2010/06337	ANTINITUS AB	EXOSANA AB
2019/08614	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2021/05484	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2019/08559	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2021/05491	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2017/07850	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2019/08558	NIPD GENETICS PUBLIC COMPANY LIMITED	MEDICOVER PUBLIC COMPANY LTD
2022/00184	DAIMLER AG	MERCEDES-BENZ GROUP AG
2021/10872	DAIMLER AG	MERCEDES-BENZ GROUP AG

Application Number	In the name of	New name
2015/03002	DAIMLER AG	MERCEDES-BENZ GROUP AG
2020/00635	DAIMLER AG	MERCEDES-BENZ GROUP AG
2013/03516	DAIMLER AG	MERCEDES-BENZ GROUP AG
2013/03517	DAIMLER AG	MERCEDES-BENZ GROUP AG
2016/07918	DAIMLER AG	MERCEDES-BENZ GROUP AG
2016/03178	DAIMLER AG	MERCEDES-BENZ GROUP AG
2023/01480	HEILONGJIANG RIVER FISHERY RESEARCH INSTITUTE OF CHINESE ACADEMY OF FISHERY SCIENCES	HEILONGJIANG RIVER FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCES
2020/07638	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2022/05164	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/04315	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/04314	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/03385	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/01350	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/00597	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2019/07834	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2019/06037	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2019/03708	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2019/01195	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2018/08569	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2018/07656	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2018/01338	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2017/08190	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2016/05495	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2015/08364	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2015/05170	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2006/08072	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2006/10746	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2007/07319	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2008/07935	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2009/02530	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2009/05974	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2010/07513	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2011/05565	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2011/06349	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2007/07319	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2013/05492	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2011/08727	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2016/03095	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/04318	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/04317	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2007/07732	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/07311	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2015/00649	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2016/00512	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA)	INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT (INRAE)
2007/09565	MORPHO B.V.	IDEMIA THE NETHERLANDS B.V.
2007/09565	SAGEM IDENTIFICATION B.V.	MORPHO B.V.

Application Number	In the name of	New name
2007/09565	SDU IDENTIFICATION B.V.	SAGEM IDENTIFICATION B.V.
2019/06916	VAYU GLOBAL HEALTH INNOVATIONS, LLC	VAYU GLOBAL HEALTH INNOVATIONS, PUBLIC BENEFIT CORPORATION
2007/08465	UHDE GMBH	THYSSENKRUPP UHDE GMBH
2007/08465	THYSSENKRUPP UHDE GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2024/00495	METSO OUTOTEC METALS OY	METSO METALS OY
2005/08313	BAYER SCHERING PHARMA AKTIENGESELLSCHAFT	BAYER PHARMA AKTIENGESELLSCHAFT
2014/07064	MAZZA INNOVATION, LTD.	SENSIENT NATURAL EXTRACTION INC.
2023/09193	PURE BATTERY TECHNOLOGIES PTY LTD	PURE BATTERY TECHNOLOGIES LIMITED
2016/06075	CADILA HEALTHCARE LIMITED	ZYDUS LIFESCIENCES LIMITED
2011/02358	OBERTHUR TECHNOLOGIES	IDEMIA FRANCE
201105301	OBERTHUR TECHNOLOGIES	IDEMIA FRANCE
2010/08204	OBERTHUR TECHNOLOGIES	IDEMIA FRANCE
2016/04037	OBERTHUR TECHNOLOGIES	IDEMIA FRANCE

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

Application Number	Licensor	Licensee
2020/00488	ENTERSEKT INTERNATIONAL LIMITED	ENTERSEKT (PTY) LTD
2023/05833	CANCER RESEARCH TECHNOLOGY LIMITED	CRT PIONEER FUND LP
2023/05833	CRT PIONEER FUND LP	STEMLINE THERAPEUTICS, INC.

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/07740	WITHDRAWN	15/01/2024
2023/02294	WITHDRAWN	16/01/2024
2022/13911	WITHDRAWN	07/12/2023
2023/01164	WITHDRAWN	19/01/2024
2023/00879	WITHDRAWN	19/01/2024
2022/12195	WITHDRAWN	16/11/2023

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **QU BIOLOGICS INC.**, whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2014/08585** entitled **IMMUNOGENIC ANTI-INFLAMMATORY COMPOSITIONS**, dated **21/11/2014**, which lapsed on **31/07/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **RAYNER, Dignan Herbert**, whose address for service is **SIBANDA & ZANTWIJK, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2017/04028** entitled **AN APPARATUS AND SYSTEM FOR PROVIDING A SECONDARY POWER SOURCE FOR AN ELECTRIC**, dated **04/12/2015**, which lapsed on **04/12/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **JOINT STOCK COMPANY" ATOMENERGOPROEKT"**, whose address for service is **SIBANDA & ZANTWIJK, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2016/06503** entitled **SEALED CABLE INLET THROUGH AN EXTERNAL AND AN INTERNAL WALL OF A CONTAINMENT SHELL OF A NUCLEAR POWER STATION**, dated **17/02/2015**, which lapsed on **17/02/2021** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **APEX MINING SERVICES**, whose address for service is **DT DU PREEZ ATTORNEYS INC., PRETORIA** has applied to the registrar for the restoration of Patent No **2013/09460** entitled **METHOD FOR REDUCING MEAN GRADE LOSS**, dated **12/12/2013**, which lapsed on **12/12/2020** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **JOINT STOCK COMPANY"TVEL"**, whose address for service is **VON SEIDELS, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2020/08085** entitled **METHOD OF PRODUCING TUBULAR PRODUCTS FROM A ZIRCONIUM-BASED ALLOY**, dated **26/12/2019**, which lapsed on **26/12/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **JOINT STOCK COMPANY “TVEL”**, whose address for service is **VON SEIDELS, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2020/08083** entitled **METHOD OF MANUFACTURING TUBULAR PRODUCTS FROM A ZIRCONIUM ALLOY**, dated **26/12/2019**, which lapsed on **26/12/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD**, whose address for service is **TABERER ATTORNEYS INC., CAPE TOWN** has applied to the registrar for the restoration of Patent No **2018/00598** entitled **ACTUATOR FOR REACTIONLESS ROCK BOLT TENSIONER**, dated **18/08/2016**, which lapsed on **18/08/2019** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **CORNELIS FRANK UYS**, whose address for service is **BOUWERS INCORPORATED, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2019/07557** entitled **SHARK DETERRING EQUIPMENT**, dated **12/11/2019**, which lapsed on **12/11/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

Notice is hereby given that **REFLEX TECHNOLOGY INTERNATIONAL PTY LTD 216 Balcatta Road, Balcatta, 6021, Western Australia**, has offered to surrender South African Patent no: **2016/05730**. South African Patent no: **2016/05730** is deemed to be revoked as of **20/12/2023**.

Any person may give notice of opposition to the voluntary surrender of the patent within two months of the advertisement hereof.

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: Hardcore Automotive Locking Technologies (Pty) Ltd c/o Gerhard Lourens Inc, Jolin House, Cnr of Marloth & vd Merwe Street, NELSPRUIT 1200, SOUTH AFRICA. Request permission to amend the specification of letters patent no: **2018/01855** of **20/03/2018** for **A VEHICLE ANTI-THEFT DEVICE**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: ALSTOM TRANSPORT TECHNOLOGIES 48 Rue Albert Dhalenne 93400 Saint-Ouen-Sur-Seine. Request permission to amend the specification of letters patent no: **2020/01738** of **19/03/2020** for **INSTALLATION FOR MANUFACTURING A VEHICLE, NOTABLY A RAILWAY VEHICLE, CONTAINER ASSEMBLY AND METHOD FOR MOUNTING SUCH A CONTAINER ASSEMBLY FOR OBTAINING SAID INSTALLATION**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: TRANSOCEANIC LLC 30 N Gould St. Ste R., Sheridan Wyoming 82801. Request permission to amend the specification of letters patent no: **2022/05116** of **09/05/2022** for **ULTRA-LARGE MARINE SUBMERSIBLE TRANSPORT BOATS AND ARRANGEMENTS FOR TRANSPORTATION OF AQUEOUS BULK LIQUIDS, INCLUDING FRESH WATER**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: IMMUNOGEN, INC. 830 Winter Street Waltham MA 02451. Request permission to amend the specification of letters patent no: **2019/07806** of **21/11/2019** for **ANTIBODIES AND ASSAYS FOR DETECTION OF FOLATE RECEPTOR 1**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00**. Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18 months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

Registrar of Patents

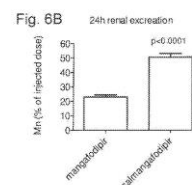
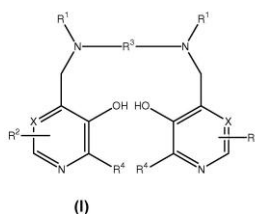
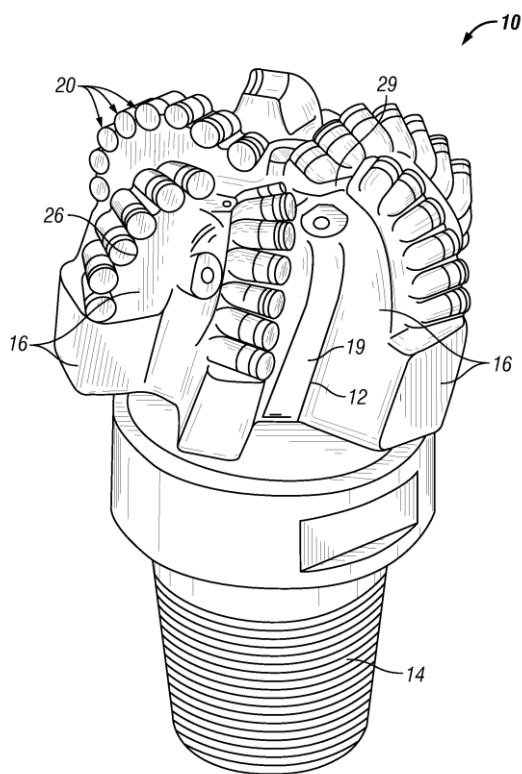
21: 2013/07743. 22: 2013/10/17. 43: 2023/12/07
 51: C09K; C22C; E21B
 71: SMITH INTERNATIONAL INC
 72: YU FENG, BELNAP J DANIEL
 33: US 31: 61/476,696 32: 2011-04-18

54: HIGH DIAMOND FRAME STRENGTH PCD MATERIALS

00: -

The present disclosure relates to cutting elements incorporating polycrystalline diamond bodies used for subterranean drilling applications, and more particularly, to polycrystalline diamond bodies having high diamond frame strength and methods for forming and evaluating such polycrystalline diamond bodies. A polycrystalline diamond body is provided, having a top surface, a cutting edge meeting the top

surface, and a first region including at least a portion of the cutting edge. The first portion exhibits a diamond frame strength of about 1200 MPa or greater, or about 1300 MPa or greater.

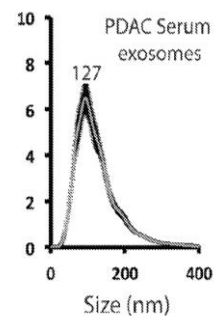
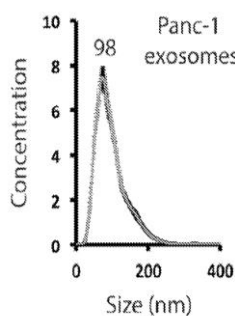


21: 2014/04904. 22: 2014/07/02. 43: 2023/11/07
 51: A61K; A61P; C07F
 71: Egetis Therapeutics AB
 72: KARLSSON, Jan Olof, REINEKE, Karl, KURZ, Tino, ANDERSSON, Rolf, HALL, Michael, MCLAUGHLIN, Christina, JACOBSSON, Sven, NÄSSTRÖM, Jacques
 33: US 31: 61/583,377 32: 2012-01-05
54: CALMANGAFODIPIR, A NEW CHEMICAL ENTITY, AND OTHER MIXED METAL COMPLEXES, METHODS OF PREPARATION, COMPOSITIONS, AND METHODS OF TREATMENT

00: -
 A mixed metal complex of a compound of Formula I, or a salt thereof, wherein the mixed metals comprise a Group III-XII transition metal and a Group II metal: (Formula I) (I) wherein X, R¹, R², R³, and R⁴ are as defined herein, is produced in a one step crystallization from a solution of the Group III-XII transition metal, the Group II metal, and a compound of Formula I. Methods for treatment of a pathological condition in a patient, for example, a pathological condition caused by the presence of oxygen-derived free radicals, comprises administering the mixed metal complex to the patient.

21: 2016/04468. 22: 2016/06/30. 43: 2023/12/04
 51: A61K
 71: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
 72: KALLURI, Raghu, MELO, Sonia
 33: US 31: 61/911,863 32: 2013-12-04
54: ANALYSIS OF GENOMIC DNA, RNA, AND PROTEINS IN EXOSOMES FOR DIAGNOSIS AND THERANOSIS

00: -
 The present invention provides that exosomes from human body fluid samples contain double stranded genomic DNA that spans all chromosomes and may be used to determine the mutation status of genes of interest in diseases, such as cancer. Furthermore, the present invention provides the use of exosomes to produce therapeutic proteins and for their use in therapy as well as the detection of cancer cell-derived exosomes to diagnose cancer and monitor therapeutic response.



21: 2016/06134. 22: 2016/09/05. 43: 2023/11/07
 51: A61K; C07D
 71: LES LABORATOIRES SERVIER
 72: GU, CHONG-HUI
 33: US 31: 61/953,480 32: 2014-03-14
54: PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS

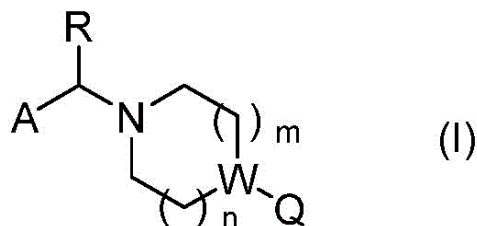
00: -
 Provided are compounds and pharmaceutical compositions useful for treating cancer and methods of treating cancer comprising administering to a

subject in need thereof a compound or pharmaceutical composition described herein.

21: 2017/01299. 22: 2017/02/21. 43: 2023/11/07
 51: A61K; A61P; C07D
 71: Asceneuron SA
 72: QUATTROPANI, Anna, KULKARNI, Santosh S., GIRI, Awadut Gajendra
 33: IN 31: 2766/MUM/2014 32: 2014-08-28

54: GLYCOSIDASE INHIBITORS

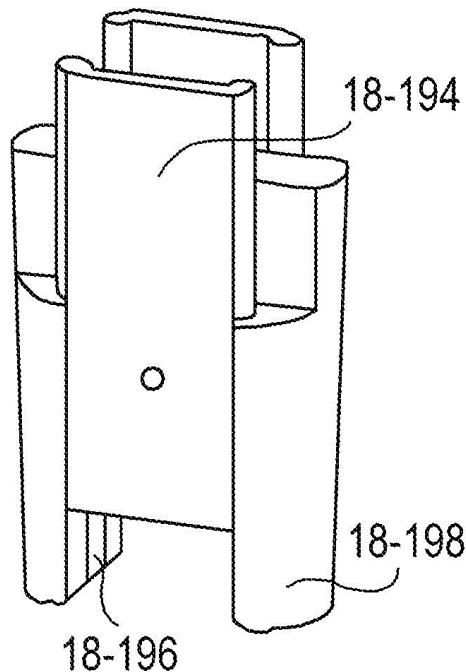
00: -
 Compounds of formula (I) wherein A, R, W, Q, n and m have the meaning according to the claims can be employed, inter alia, for the treatment of tauopathies and Alzheimer's disease.



21: 2017/05050. 22: 2017/07/25. 43: 2023/11/06
 51: A61B
 71: Cartiheal (2009) Ltd
 72: ALTSCHULER, Nir, GOREN, Amir
 33: US 31: 62157,485 32: 2015-05-06

54: OPTIMIZED SOLID SUBSTRATES, TOOLS FOR USE WITH SAME AND USES THEREOF FOR PROMOTING CELL AND TISSUE GROWTH

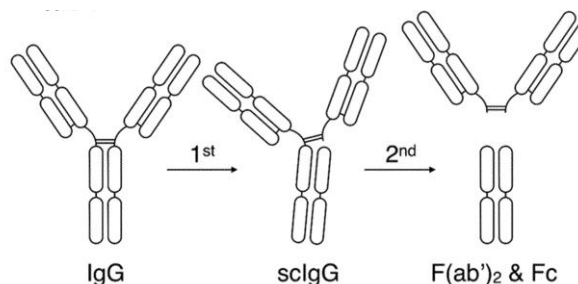
00: -
 [00520] This invention provides optimized solid substrates for promoting cell or tissue growth or restored function, which solid substrate comprises aragonite and is characterized by a specific fluid uptake capacity value of at least 75%, or a contact angle value of less than 60 degrees when in contact with a fluid and which is further characterized by tapered sides and tools for implantation of optimized solid substrates.



21: 2017/05113. 22: 2017/07/27. 43: 2023/11/20
 51: A61K; C12N
 71: HANSA BIOPHARMA AB
 72: KJELLMAN, Christian, JARNUM, Sofia, NORDAHL, Emma
 33: GB 31: 1502306.2 32: 2015-02-12

54: CYSTEINE PROTEASE

00: -
 The present invention relates to a novel polypeptide which displays IgG cysteine protease activity, and in vivo and ex vivo uses thereof. Uses of the polypeptide include methods for the prevention or treatment of diseases and conditions mediated by IgG, and methods for the analysis of IgG.



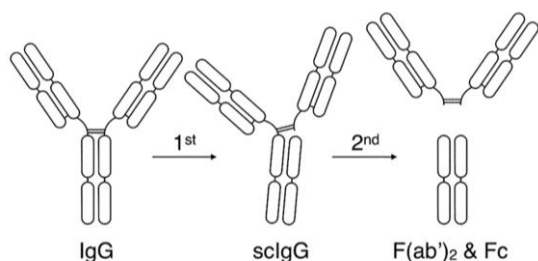
21: 2017/05114. 22: 2017/07/27. 43: 2023/11/20
 51: C12N
 71: HANSA BIOPHARMA AB
 72: KJELLMAN, Christian, JARNUM, Sofia, NORDAHL, Emma

33: GB 31: 1502305.4 32: 2015-02-12

54: CYSTEINE PROTEASE

00: -

The present invention relates to a novel polypeptide which displays IgG cysteine protease activity, and in vivo and ex vivo uses thereof. Uses of the polypeptide include methods for the prevention or treatment of diseases and conditions mediated by IgG, and methods for the analysis of IgG.



21: 2017/06354. 22: 2017/09/20. 43: 2023/12/14

51: B01D; C01F

71: CARBONFREE CHEMICALS HOLDINGS, LLC

72: JONES, Joe, YABLONSKY, AI

33: US 31: 62/119,633 32: 2015-02-23

54: CARBON DIOXIDE SEQUESTRATION WITH MAGNESIUM HYDROXIDE AND REGENERATION OF MAGNESIUM HYDROXIDE

00: -

Embodiments of the present disclosure are directed to systems and methods of removing carbon dioxide from a gaseous stream using magnesium hydroxide and then regenerating the magnesium hydroxide. In some embodiments, the systems and methods can further comprise using the waste heat from one or more gas streams to provide some or all of the heat needed to drive the reactions. In some embodiments, magnesium chloride is primarily in the form of magnesium chloride dihydrate and is fed to a decomposition reactor to generate magnesium hydroxychloride, which is in turn fed to a second decomposition reactor to generate magnesium hydroxide.

21: 2018/02494. 22: 2018/04/16. 43: 2023/11/27

51: C12N

71: F. Hoffmann-La Roche AG

72: COSTA, Veronica, HEDTJÄRN, Maj, HOENER,

Marius, JAGASIA, Ravi, JENSEN, Mads Aaboe,

PATSCH, Christoph, PEDERSEN, Lykke,

RASMUSSEN, Søren Vestergaard

33: EP(CH) 31: 15194367.7 32: 2015-11-12

54: OLIGONUCLEOTIDES FOR INDUCING PATERNAL UBE3A EXPRESSION

00: -

The present invention relates to oligonucleotides that are capable of inducing expression of ubiquitin-protein ligase E3A (UBE3A) from the paternal allele in animal or human neurons. The oligonucleotides target the suppressor of the UBE3A paternal allele by hybridization to SNHG14 long non-coding RNA downstream of SNORD109B. The present invention further relates to pharmaceutical compositions and methods for treatment of Angelman syndrome.

21: 2018/03954. 22: 2018/06/13. 43: 2023/11/08

51: C12M; G01N; G06K

71: Kemira Oyj

72: PIIRONEN, Marjatta, JOENSUU, Iiris,

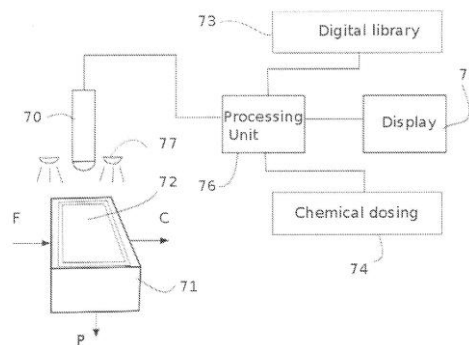
HESAMPOUR, Mehrdad, EKMAN, Jaakko

33: FI 31: 20156009 32: 2015-12-23

54: A METHOD AND AN APPARATUS FOR MONITORING AND CONTROLLING DEPOSIT FORMATION

00: -

A method and apparatus for monitoring deposit formation in a process comprising an aqueous flow is provided. According to the invention a feed flow of an aqueous liquid is provided onto a receiving surface to be monitored. At least part of a receiving surface is illuminated with at least one light source. Visual data is collected across the receiving surface and analyzed. The quality and type of deposition attached to the receiving surface is classified based on information obtained from the analyzed visual data, and a quantitative scaling and/or fouling indication is computed based on the classification.



21: 2018/04513. 22: 2018/07/06. 43: 2023/12/04

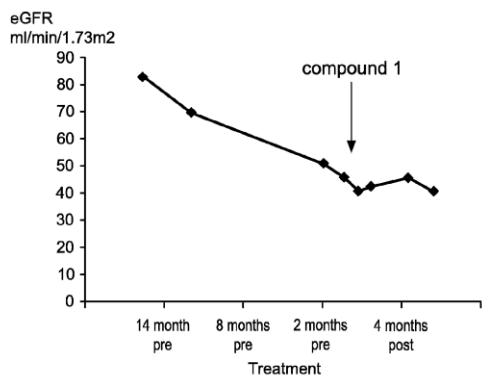
51: A61K

71: CHEMOCENTRYX, INC.
 72: BEKKER, Petrus
 33: US 31: 62/278,788 32: 2016-01-14
 33: US 31: 62/280,346 32: 2016-01-19
 33: US 31: 62/347,450 32: 2016-06-08
 33: US 31: 62/397,527 32: 2016-09-21

54: METHOD OF TREATING C3 GLOMERULOPATHY

00: -
 Methods of treating a human suffering from or susceptible to C3 glomerulopathy comprising administering to the human an effective amount of a C5aR antagonist are provided.

Figure 1 represents the patient's Estimated glomerular filtration rate (eGFR) before and after treatment with compound 1.

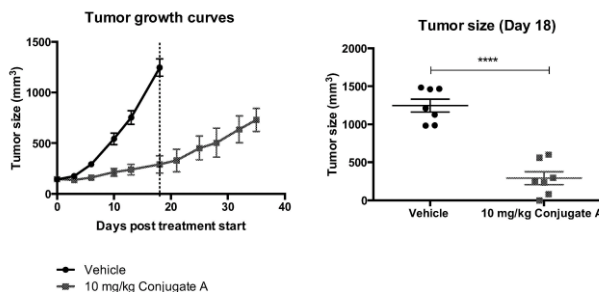


21: 2018/04654. 22: 2018/07/12. 43: 2023/11/08
 51: A61K; A61P
 71: Sutro Biopharma, Inc.
 72: STAFFORD, Ryan, YAM, Alice, GILL, Avinash, PENTA, Kalyani, LI, Xiaofan, SATO, Aaron
 33: US 31: 62/287,824 32: 2016-01-27

54: ANTI-CD74 ANTIBODY CONJUGATES, COMPOSITIONS COMPRISING ANTI-CD74 ANTIBODY CONJUGATES AND METHODS OF USING ANTI-CD74 ANTIBODY CONJUGATES

00: -
 Provided herein are antibody conjugates with binding specificity for CD74, wherein the antibody comprises a non-natural amino acid at a site selected from the group consisting of HC-F404, HC-K121, HC-Y180, HC-F241, HC-221, LC-T22, LC-S7, LC-N152, LC-K42, LC-E161, LC-D170, HC-S136, HC-S25, HC-A40, HC-S119, HC-S190, HC-K222, HC-R19, HC-Y52, or HC-S70, according to the Kabat, Chothia, or EU numbering scheme, and compositions comprising the antibody conjugates, including pharmaceutical compositions, methods of

producing the conjugates, and methods of using the conjugates and compositions for therapy.



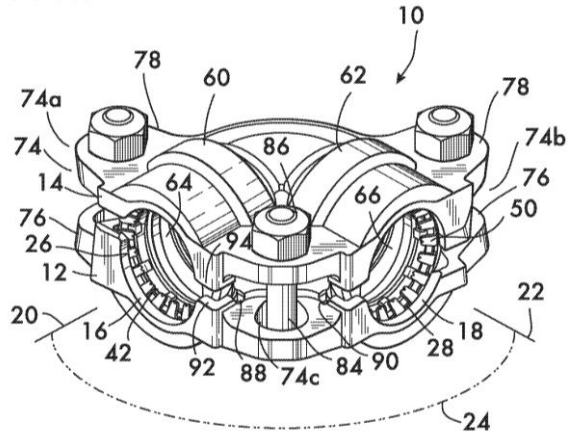
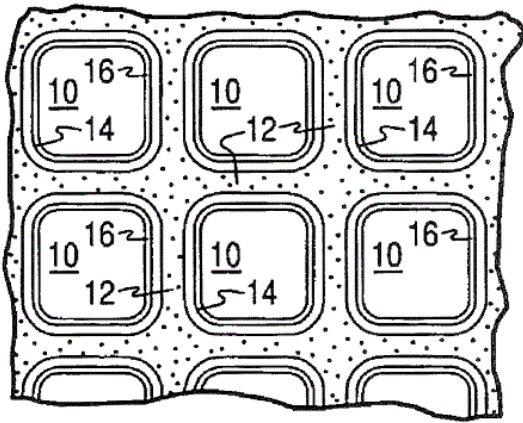
21: 2018/04682. 22: 2018/07/13. 43: 2023/11/14
 51: B01J F01N

71: BASF CORPORATION
 72: XUE, Wen-Mei, SIANI, Attilio, HOCHMUTH, John, K.

33: US 31: 62/268,019 32: 2015-12-16

54: CATALYST SYSTEM FOR LEAN GASOLINE DIRECT INJECTION ENGINES

00: -
 A lean gasoline exhaust treatment catalyst article is provided, the article comprising a catalytic material applied on a substrate, wherein the catalytic material comprises a first composition and a second composition, wherein the first and second compositions are present in a layered or zoned configuration, the first composition comprising palladium impregnated onto a porous refractory metal oxide material and rhodium impregnated onto a porous refractory metal oxide material; and the second composition comprising platinum impregnated onto a porous refractory metal oxide material. Methods of making and using such catalyst articles and the associated compositions and systems employing such catalyst articles are also described.



21: 2018/05145. 22: 2018/07/31. 43: 2023/12/04
51: F16L

71: VICTAULIC COMPANY

72: SITH, Ahmad, BOWMAN, Matthew A.,
MADARA, Scott D., STERNER, Jeffrey Lance

33: US 31: 62/336,893 32: 2016-05-16

54: FITTING HAVING TABBED RETAINER AND OBSERVATION APERTURES

00: -

A pipe fitting for plain end pipe is formed of housing portions defining receptacles for receiving pipe elements. The receptacles are coaxial with respective axes oriented angularly with respect to each other. Each receptacle has a channel that faces a respective axis with floors at different radii of curvature. Retainers are received within the channels. The retainers have teeth and one or more offset tabs that cooperate with the channels to prevent improper assembly of the fitting. Ring seals are received within channels positioned adjacent to the receptacles. The ring seals cooperate with the retainers to hold the segments in spaced relation sufficient to insert pipe elements into the receptacles when the fitting is pre-assembled. Apertures are provided in the receptacles to permit visual determination of the presence of the retainers post assembly.

21: 2018/05928. 22: 2018/09/04. 43: 2023/11/07
51: C01B

71: HALDOR TOPSØE A/S

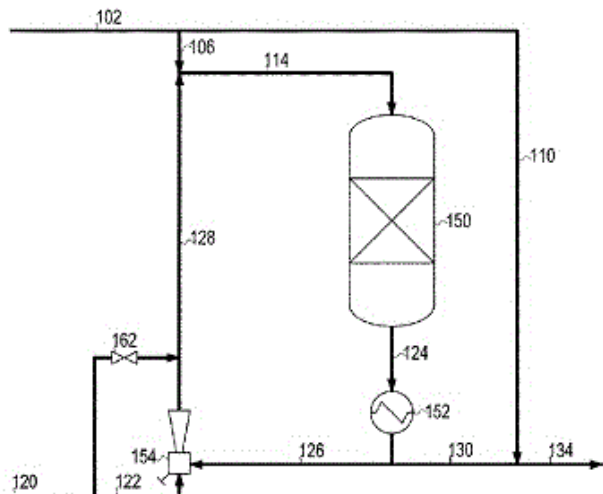
72: WIX, CHRISTIAN, TRANE-RESTRUP, RASMUS

33: DK 31: PA 2016 00239 32: 2016-04-25

54: METHOD FOR PRODUCTION OF A HYDROGEN RICH GAS

00: -

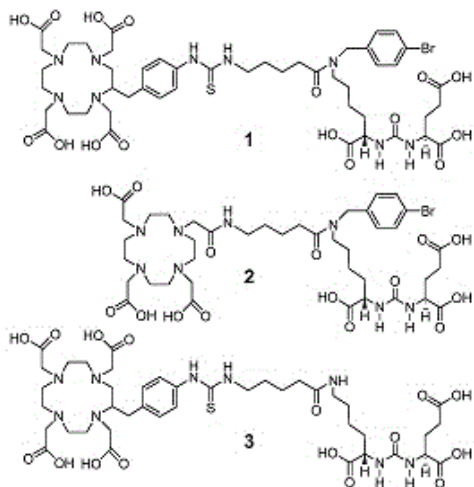
The present disclosure relates to a process and a related process plant for production of a hydrogen rich gas, comprising the steps of (a) providing a reactor feed gas, comprising at least 25%, 40% or 70% on dry basis of CO and H₂ in combination, as well as steam, (b) directing said reactor feed gas to contact a material catalytically active in water gas shift reaction, producing a product gas, characterized in that during a first period of high recycle operation a first amount of said product gas is recycled to contact said catalytically active material together with said reactor feed gas and during a second period of low recycle operation none of said product gas or a second amount lower than said first amount of said product gas is recycled to contact said catalytically active material together with said reactor feed gas, with the associated benefit of such a process that the change between modes of operation may be made according to appropriate process criteria, such that the optimal process conditions are always applied, while reducing operational costs, including the steam consumption.



21: 2018/06389. 22: 2018/09/25. 43: 2023/11/07
 51: C07D; A61K
 71: THE JOHNS HOPKINS UNIVERSITY
 72: RAY, SANGEETA, POMPER, MARTIN G
 33: US 31: 62/311,697 32: 2016-03-22

54: PROSTATE-SPECIFIC MEMBRANE ANTIGEN TARGETED HIGH-AFFINITY AGENTS FOR ENDORADIOTHERAPY OF PROSTATE CANCER
 00: -

Prostate-specific membrane antigen targeted high-affinity agents for endoradiotherapy of prostate cancer are disclosed.



21: 2018/07920. 22: 2018/11/22. 43: 2023/12/05
 51: A61K; C07K
 71: REGENERON PHARMACEUTICALS, INC.
 72: DELFINO, Frank, SKOKOS, Dimitris, WANG, Bei
 33: US 31: 62/348,353 32: 2016-06-10
 33: US 31: 62/432,023 32: 2016-12-09
 33: US 31: 62/500,312 32: 2017-05-02

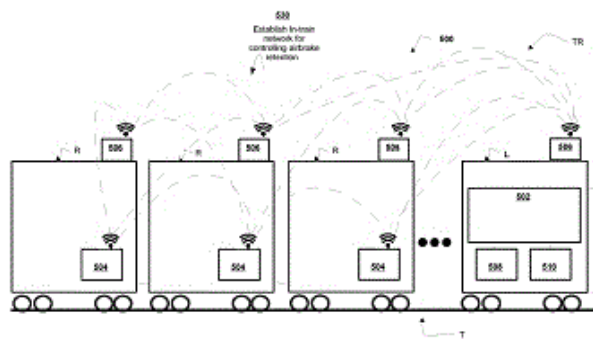
54: ANTI-GITR ANTIBODIES AND USES THEREOF

00: -
 Provided herein are antibodies, and antigen-binding fragments thereof that specifically bind glucocorticoid-induced tumor necrosis factor receptor (GITR) and methods of using the same, including, e.g., methods of treatment using the same.

21: 2019/01922. 22: 2019/03/28. 43: 2023/11/07
 51: B60T
 71: WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION
 72: KERNWEIN, JEFFREY D, OSWALD, JAMES A
 33: US 31: 15/978,830 32: 2018-05-14

54: DISTRIBUTED BRAKE RETENTION AND CONTROL SYSTEM FOR A TRAIN AND ASSOCIATED METHODS

00: -
 An airbrake retention system and method for controlling air flow within an airbrake system, including the steps of: receiving, with a computer system comprising one or more processors, train control data associated with stopping on a grade; determining, with a computing system comprising one or more processors, an air retention controller within a railcar brake system to control air pressure release based on the train control data; communicating, with a computing system comprising one or more processors, an air control signal, the air control signal comprising information associated with a retainer valve of the braking assembly; and controlling, with a computing system comprising one or more processors, the retainer valve to adjust from a first state to a second state based on the air control signal to control air flow between the reservoir and the air braking assembly.



21: 2019/01972. 22: 2019/03/29. 43: 2023/11/20
 51: G06F; H04L

71: 10T HOLDINGS PTY LTD

72: JACOBS, Gysbert Johannes, DU TOIT, Rudi Deodat

33: ZA 31: 2016/06120 32: 2016-09-05

54: SOFTWARE-DEFINED DEVICE INTERFACE SYSTEM AND METHOD

00: -

The invention relates to a software defined device interface system 10, a software defined device interface, gateway and a method of defining an interface for a device which uses a specific communication protocol for communication purposes. The system 10 includes a microprocessor/processing unit 12.1, 12.2 with a plurality of communication pins and software/firmware. The software/firmware is configured, based on a specific communication protocol which is used by a particular device 30.1-30.4 for communication purposes, to, in runtime, assign/select one or more of the communication pins to form a virtual port to which the particular device 30.1-30.4 can be connected, upon receiving a configuration instruction from a user to implement the specific communication protocol. The software/firmware is further configured to implement the specific communication protocol through the virtual port, to thereby allow for communication between the microprocessor/processing unit 12.1, 12.2 and the device 30.1-30.4, when the device 30.1-30.4 is connected to the pin(s) of the virtual port.

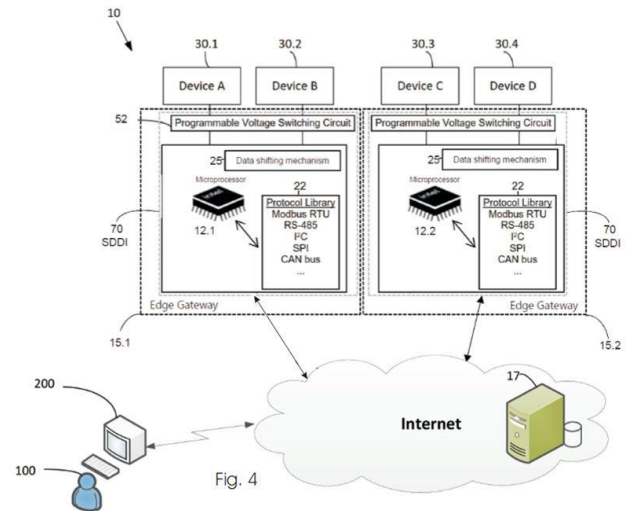


Fig. 4

21: 2019/03637. 22: 2019/06/06. 43: 2023/11/09

51: B01J; C12Q

71: ILLUMINA, INC.

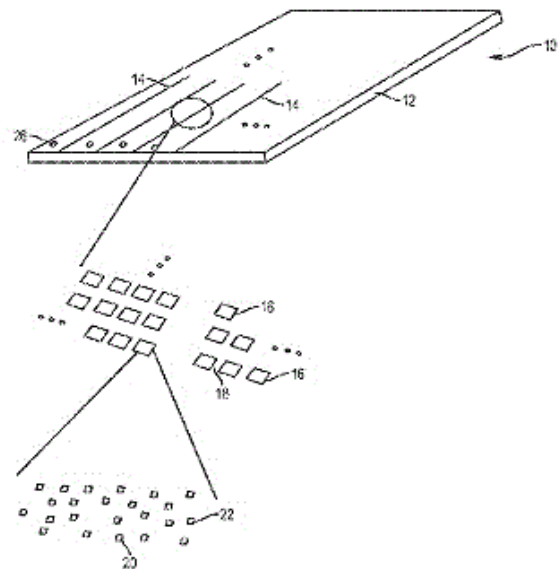
72: TSAY, JAMES, HUANG, YUXIANG

33: US 31: 62/438,294 32: 2016-12-22

54: ARRAY INCLUDING SEQUENCING PRIMER AND NON-SEQUENCING ENTITY

00: -

An example of an array includes a support including a plurality of discrete wells, a gel material positioned in each of the discrete wells, a sequencing primer grafted to the gel material, and a non-sequencing entity grafted to the gel material. Each of the sequencing primer and the non-sequencing entity is in its as-grafted form.



21: 2019/04723. 22: 2019/07/18. 43: 2023/11/20

51: A61K; G01N
 71: TREOS BIO LIMITED
 72: LISZIEWICZ, Julianna, MOLNÁR, Levente,
 TOTH, József, LORINCZ, Orsolya, CSISZOVSZKI,
 Zsolt, SOMOGYI, Eszter, PÁNTYA, Katalin,
 MEGYESI, Mónika, TOKE, ENIKO R.
 33: EP 31: 17159243.9 32: 2017-03-03
 33: EP 31: 17159242.1 32: 2017-03-03
 33: GB 31: 1703809.2 32: 2017-03-09

54: POPULATION-BASED IMMUNOGENIC PEPTIDE IDENTIFICATION PLATFORM

00: -
 The disclosure relates to methods of identifying fragments of a polypeptide that are immunogenic for a specific human subject, methods of preparing pharmaceutical compositions comprising such polypeptide fragments, pharmaceutical compositions comprising such polypeptide fragments, and methods of treatment using such compositions. The methods comprise identifying a fragment of the polypeptide that binds to multiple HLA of individual subjects.

21: 2019/04725. 22: 2019/07/18. 43: 2023/11/20
 51: A61K; G01N
 71: TREOS BIO LIMITED
 72: TOTH, József, LORINCZ, Orsolya,
 CSISZOVSZKI, Zsolt, SOMOGYI, Eszter, MEGYESI,
 Mónika, LISZIEWICZ, Julianna, MOLNÁR, Levente,
 PÁNTYA, Katalin, TOKE, Eniko R.
 33: EP 31: 17159243.9 32: 2017-03-03
 33: EP 31: 17159242.1 32: 2017-03-03
 33: GB 31: 1703809.2 32: 2017-03-09

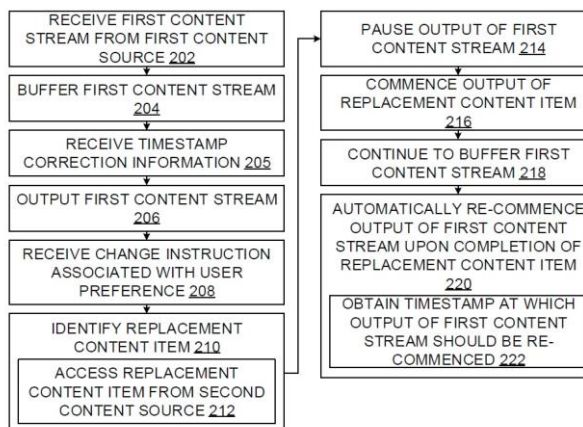
54: PERSONALISED IMMUNOGENIC PEPTIDE IDENTIFICATION PLATFORM

00: -
 The disclosure relates to methods of identifying fragments of a polypeptide that are immunogenic for a specific human subject, methods of preparing personalised pharmaceutical compositions comprising such polypeptide fragments, human subject-specific pharmaceutical compositions comprising such polypeptide fragments, and methods of treatment using such compositions. The methods comprise identifying a fragment of the polypeptide that binds to multiple HLA of the subject.

21: 2019/04855. 22: 2019/07/24. 43: 2023/12/04
 51: H04N
 71: LABS.FM (PTY) LTD
 72: OAKLEY, Richard John

33: ZA 31: 2017/00356 32: 2017-01-17
54: CONTENT STREAMING SYSTEM AND METHOD

00: -
 A content streaming system and method are provided. A method at a client-side user device includes receiving a first content stream from a first content source via a communication network. The first content stream includes a sequence of content segments and the user device outputs the first content stream for consumption by a user. Responsive to receiving a change instruction associated with a user preference, output of the first content stream is paused and output of a replacement content item is commenced. The replacement content item is obtained from a second content source. Output of the first content stream is automatically recommenced. In one embodiment, the replacement content item has a limited duration and output of the first content stream is automatically recommenced upon completion of output of the replacement content item.



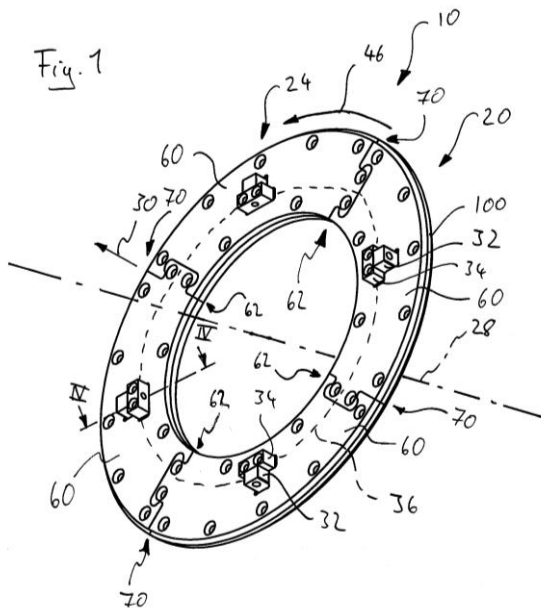
21: 2019/05538. 22: 2019/08/22. 43: 2023/12/04
 51: C07K; G01N
 71: UNIVERSITY OF SOUTHAMPTON
 72: TAVASSOLI, Ali, SOHRABI, Catrin,
 FISCHLECHNER, Martin
 33: GB 31: 1702938.0 32: 2017-02-23
54: METHODS FOR GENERATING AND SCREENING COMPARTMENTALISED PEPTIDE LIBRARIES

00: -
 A method for co-compartmentalising a cyclic polypeptide with a polynucleotide encoding the cyclic polypeptide, comprising the steps of a) forming a compartment containing a polynucleotide encoding

the cyclic polypeptide, b) expressing a polypeptide from the polynucleotide, and c) cyclising the polypeptide. Co-compartmentalised cyclic polypeptides and encoding polynucleotides. Libraries of co-compartmentalised cyclic polypeptide and encoding polynucleotide. Methods for screening libraries of co-compartmentalised cyclic polypeptide and encoding polynucleotide. Incorporation of non-canonical nucleic acids into such libraries.

21: 2019/05551. 22: 2019/08/22. 43: 2023/12/04
 51: B60B
 71: GV ENGINEERING GMBH
 72: TSIBERIDIS, Konstantin
 33: DE 31: 10 2017 101 664.3 32: 2017-01-27
54: ATTACHMENT FOR A VEHICLE WHEEL
 00: -

The invention relates to an attachment (10) for a vehicle wheel (12) for enabling a driving operation with limited tire function, comprising a base body (20) and a fastening device (24) for fastening the attachment (10) to the rim (26) of the vehicle wheel (12), the base body (20) having a circular or substantially circular ring-shaped design when viewed in an axial direction (28).



21: 2019/05664. 22: 2019/08/28. 43: 2023/12/04
 51: A61K
 71: DEVELCO PHARMA SCHWEIZ AG
 72: SCHEER, Mathias, REY, Helene

33: EP 31: 17160206.3 32: 2017-03-09
54: NOVEL DOSAGE FORM
 00: -

The present invention relates to a solid oral pharmaceutical dosage form with a novel and well defined order of specific coatings allowing for the very defined and controlled release of at least one pharmaceutical active ingredient (API) and a broad range of potential uses. Particularly, the dosage form according to the invention comprises an immediate release active core, a first delayed-release layer comprising an enteric coating, a second sustained release layer comprising a retard polymer, and a third immediate release layer comprising an active pharmaceutical ingredient. The solid oral pharmaceutical dosage form as such is characterized in having a bi-modal release profile of the at least one API with a much less variable second delayed release than known prior art pharmaceutical compositions, allowing for the application of different APIs or combinations thereof in for a variety of indications.

21: 2019/05822. 22: 2019/09/03. 43: 2023/11/07
 51: C07K
 71: GENMAB A/S
 72: ALTINTAS, ISIL, SATIJJN, DAVID, VAN DEN BRINK, EDWARD, VERZIJJL, DENNIS, RADEMAKER, RIK, PARREN, PAUL, DE GOEIJ, BART
 33: DK 31: PA 2017 00164 32: 2017-03-09
 33: DK 31: PA 2017 00408 32: 2017-07-11
54: ANTIBODIES AGAINST PD-L1
 00: -

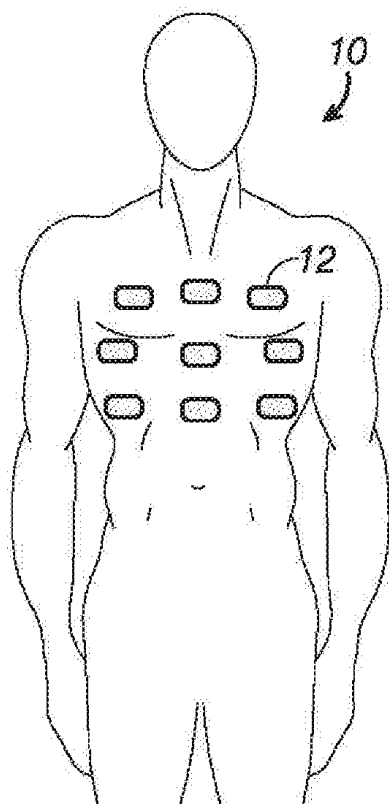
The present invention relates to novel antibodies and their use in medicine. In particular, the invention relates to bispecific antibodies capable of binding human PD-L1 and capable of binding human CD3. Novel classes of antibodies capable of binding human PD-L1 are also provided. The invention furthermore relates to uses of the antibodies of the invention and to methods, nucleic acid constructs and host cells for producing antibodies of the invention.

21: 2019/05867. 22: 2019/09/05. 43: 2023/12/07
 51: A61B
 71: HEALTH CARE ORIGINALS, INC.
 72: DWARIKA, Jared, SAMJITSINGH, Sharon
 33: US 31: 15/431,531 32: 2017-02-13

54: WEARABLE PHYSIOLOGICAL MONITORING SYSTEMS AND METHODS

00: -

A physiological monitoring system can use physiological wearable monitors to collect and/or detect various parameters, such as cough, wheeze, heart rate, skin temperature, activity, respiration rate, skin impedance, electro-cardiogram data, blood pressure, galvanic skin response, and the like. One or more of these parameters, or other such parameters, may be used in methods in the fields of lung cancer, physiotherapy, monitoring disabled or challenged individuals, monitoring end of life conditions, monitoring breathing gas usage, monitoring patients and individual wellness, data acquisition, athletic sports monitoring, athletic sports entertainment, virtual reality feedback, telemedicine, hospital aid, illness detection and its severity, and public service, as examples. Such methods can use data from one or more wearable devices with the appropriate data processing to present the user or healthcare provider with the appropriate analysis.



21: 2019/05875. 22: 2019/09/05. 43: 2023/11/07
51: A61K; A61P; C07K

71: MEAT & LIVESTOCK AUSTRALIA LIMITED, THE STATE OF QUEENSLAND, UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE

72: TABOR, ALICJA, BELLGARD, MATTHEW, RODRIGUEZ VALLE, MANUEL, GUERRERO, FELICITO

33: AU 31: 2017900358 32: 2017-02-06

54: IMMUNOSTIMULATING COMPOSITIONS AND USES THEREFORE

00: -

The present invention relates to immunogenic polypeptides, immunogenic fragments thereof and compositions comprising same, for use in eliciting an immune response in a subject to a tick. The invention also provides for methods of using said compositions and polypeptides.

21: 2019/05930. 22: 2019/09/09. 43: 2023/11/07
51: A61K

71: GENENTECH, INC., ASCENDIS PHARMA A/S
72: STARK, SEBASTIAN, KNAPPE, THOMAS, RAU, HARALD, BISEK, NICOLA, LAUFER, BURKHARDT, WEISBROD, SAMUEL, VOIGT, TOBIAS, FUH, GERMAINE, KOENIG, PATRICK, LEE, CHINGWEI VIVIAN, YADAV, DANIELA BUMBACA

33: US 31: 62/475,094 32: 2017-03-22

54: HYDROGEL CROSS-LINKED HYALURONIC ACID PRODRUG COMPOSITIONS AND METHODS

00: -

The present invention relates to hydrogel prodrug compositions comprising cross-linked hyaluronic acid (HA), or a derivative or a salt thereof, wherein the cross-linker system comprises a biodegradable spacer, wherein the cross-linked HA comprises a conjugated drug-linker, and wherein the linker is capable of releasing the drug under physiological conditions. The present invention further relates to methods for preparing the hydrogel prodrug compositions. The present invention further relates to methods for treating an ocular condition using the hydrogel compositions.

21: 2019/05935. 22: 2019/09/09. 43: 2023/11/07
51: C12P; A01H; C12N; C12Q

71: SDS BIOTECH K.K.

72: TOZAWA, YUZURU, TAKEI, SATOMI, OSHIMA, MASAHIRO, HIROSE, SAKIKO, KAWATA,

MOTOSHIGE, SEKINO, KEISUKE, YAMAZAKI, AKIHIKO

33: JP 31: 2017-023294 32: 2017-02-10

54: METHOD FOR PRODUCING HSL PROTEIN HAVING IMPROVED CATALYTIC ACTIVITY FOR 2-OXOGLUTARIC ACID-DEPENDENTLY OXIDIZING 4-HPPD INHIBITOR

00: -

The purpose of the present invention is to provide: a method for producing an HSL protein having improved catalytic activity for 2-oxoglutaric acid-dependently oxidizing a 4-HPPD inhibitor; and a method for producing a plant body having improved resistance against a 4-HPPD inhibitor using the method for producing an HSL protein. It has been made clear that by displacing the 140th locus in the HSL protein by means of a basic amino acid, the catalytic activity for 2-oxoglutaric acid-dependently oxidizing a 4-HPPD inhibitor can be improved in the protein and, further, the activity for decomposing said inhibitor can be improved.

21: 2019/06011. 22: 2019/09/11. 43: 2023/11/07

51: C07D; A61K; A61P

71: FOCHON PHARMACEUTICALS, LTD.

72: LIU, HONGBIN, RONG, YUE, ZHANG, HUAJIE, CHEN, ZHIFANG, TAN, RUI, HE, CHENGXI, LI, ZHIFU, ZHOU, ZUWEN, TAN, HAOHAN, RAN, KAI, WANG, XIANLONG, ZOU, ZONGYAO, JIANG, LIHUA, LIU, YANXIN, ZHAO, XINGDONG, WANG, WEIBO, FU, JIEMIN

33: US 31: 62/572,417 32: 2017-10-14

33: US 31: 62/486,965 32: 2017-04-18

54: APOPTOSIS-INDUCING AGENTS

00: -

Provided are certain Bcl-2 inhibitors, pharmaceutical compositions thereof, and methods of use thereof.

21: 2019/06209. 22: 2019/09/19. 43: 2023/11/07

51: C07D; C12N; A61K

71: EDIGENE BIOTECHNOLOGY, INC.

72: ROMERO, ARTHUR GLENN, GONCALVES, KEVIN A

33: US 31: 62/613,382 32: 2018-01-03

33: US 31: 62/484,692 32: 2017-04-12

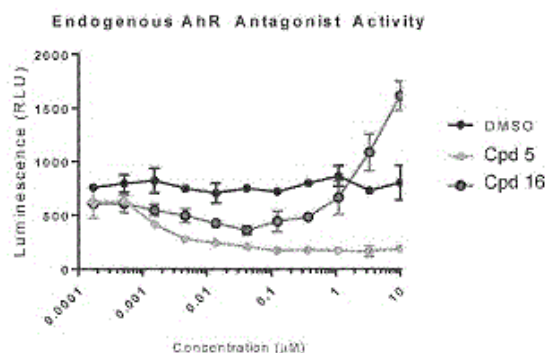
33: US 31: 62/625,896 32: 2018-02-02

54: ARYL HYDROCARBON RECEPTOR ANTAGONISTS AND USES THEREOF

00: -

The disclosure relates to aryl hydrocarbon receptor antagonists, such as substituted imidazopyridines and imidazopyrazines, as well as methods of

expanding hematopoietic stem cells by culturing hematopoietic stem or progenitor cells in the presence of these agents. Additionally, the disclosure provides methods of treating various pathologies in a patient by administration of expanded hematopoietic stem cells. The disclosure further provides methods of synthesizing aryl hydrocarbon receptor antagonists, such as substituted imidazopyridines and imidazopyrazines, as well as kits containing aryl hydrocarbon receptor antagonists that can be used for the expansion of hematopoietic stem cells.



21: 2019/06210. 22: 2019/09/19. 43: 2023/11/07

51: A01N; A01G

71: MARRONE BIO INNOVATIONS, INC.

72: PATHAK, PANKAJ, BODDY, LOUIS

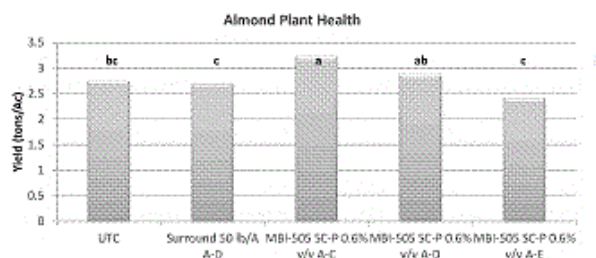
33: US 31: 62/505,446 32: 2017-05-12

33: US 31: 62/521,940 32: 2017-06-19

54: FORMULATION OF STEARYL ALCOHOL

00: -

The present invention includes a new formulation of a mono-alcohol having 12 to 19 carbon atoms or 20 to 30 carbon atoms, and its new methods of use in plants thereof.



21: 2019/06251. 22: 2019/09/20. 43: 2023/11/07

51: C12N

71: RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL

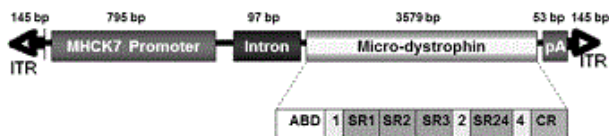
72: RODINO-KLAPAC, LOUISE, MENDELL, JERRY R

33: US 31: 62/473,148 32: 2017-03-17

54: ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF MUSCLE SPECIFIC MICRO-DYSTROPHIN TO TREAT MUSCULAR DYSTROPHY

00: -

The invention provides gene therapy vectors, such as adeno-associated virus (AAV) vectors, expressing a miniaturized human micro-dystrophin gene and method of using these vectors to express micro-dystrophin in skeletal muscle s including diaphragm and cardiac muscle and to protect muscle fibers from injury, increase muscle strength and reduce and/or prevent fibrosis in subjects suffering from muscular dystrophy.



21: 2019/06363. 22: 2019/09/26. 43: 2023/11/07

51: B01J; C07C; C07B

71: MITSUBISHI CHEMICAL CORPORATION

72: TAZAWA, KAZUWARU, TANIGUCHI, TAKANORI, NAKAMURA, TAKUYA

33: JP 31: 2017-088648 32: 2017-04-27

33: JP 31: 2018-012547 32: 2018-01-29

33: JP 31: 2018-012549 32: 2018-01-29

33: JP 31: 2017-097655 32: 2017-05-16

33: JP 31: 2017-061962 32: 2017-03-27

33: JP 31: 2018-012550 32: 2018-01-29

33: JP 31: 2017-097656 32: 2017-05-16

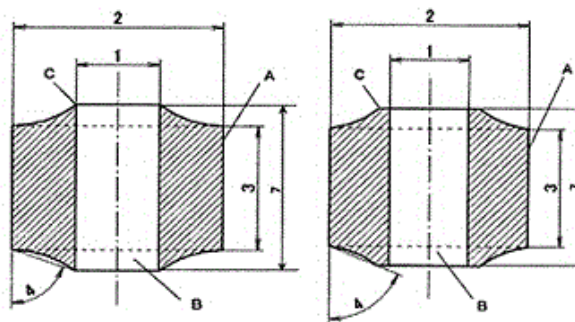
33: JP 31: 2018-012548 32: 2018-01-29

54: CATALYST AND CATALYST GROUP

00: -

An object of the present invention is to provide a catalyst ensuring that when a gas-phase catalytic oxidation reaction of a material substance is conducted using a catalyst to produce a target substance, the pressure loss and coking are suppressed and the target substance can be produced in high yield. The present invention is related to a ring-shaped catalyst having a straight body part and a hollow body part, which is used when a gas-phase catalytic oxidation reaction of a material substance is conducted to produce a target substance, wherein a length of the straight body part is shorter than a length of the hollow body part and

at least at one end part, a region from an end part of the straight body part to an end part of the hollow body part is concavely curved.



21: 2019/06580. 22: 2019/10/07. 43: 2023/12/06

51: A61K; C07C; C07H; A61P

71: CENTAURI THERAPEUTICS LIMITED

72: WESTBY, Michael, GLOSSOP, Melanie,

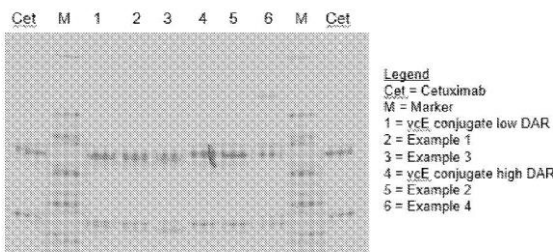
WATSON, Christine, PICKFORD, Christopher

33: GB 31: 1705686.2 32: 2017-04-07

54: NOVEL COMPOUNDS AND THERAPEUTIC USES THEREOF

00: -

The invention relates to novel compounds with the ability to link an immune response to a defined therapeutic target, to the use of said compounds in treating cancer and infectious diseases, to compositions containing said compounds, processes for their preparation and to novel intermediates used in said process.



Reducing SDS page analysis of Examples 1-4

FIGURE 1

21: 2019/07101. 22: 2019/10/28. 43: 2023/11/13

51: A61K A61P

71: KINARUS AG

72: BAUSCH, Alexander, WRIGHT, Matthew

33: EP 31: 17164765.4 32: 2017-04-04

54: METHODS OF PREVENTING OR TREATING OPHTHALMIC DISEASES

00: -

The present invention relates to a pharmaceutical combination comprising: (a) a PPAR agonist; (b) a

p38 kinase inhibitor; and optionally (c) one or more pharmaceutically acceptable diluents, excipients or carriers for use in a method of preventing or treating ophthalmic diseases or disorders in a subject.

21: 2019/07651. 22: 2019/11/19. 43: 2023/11/27
51: A61K; A61P; C07D

71: Amgen Inc.

72: LANMAN, Brian Alan, CHEN, Jian, REED, Anthony B., CEE, Victor J., LIU, Longbin, KOPECKY, David John, LOPEZ, Patricia, WURZ, Ryan Paul, NGUYEN, Thomas T., BOOKER, Shon, NISHIMURA, Nobuko, SHIN, Youngsook, TAMAYO, Nuria A., ALLEN, John Gordon, ALLEN, Jennifer Rebecca

33: US 31: 62/509,629 32: 2017-05-22

54: KRAS G12C INHIBITORS AND METHODS OF USING THE SAME

00: -

Provided herein are KRAS G12C inhibitors, composition of the same, and methods of using the same. These inhibitors are useful for treating a number of disorders, including pancreatic, colorectal, and lung cancers.

21: 2020/00354. 22: 2020/01/17. 43: 2023/12/14
51: A61K; A61P

71: LUTRIS PHARMA LTD.

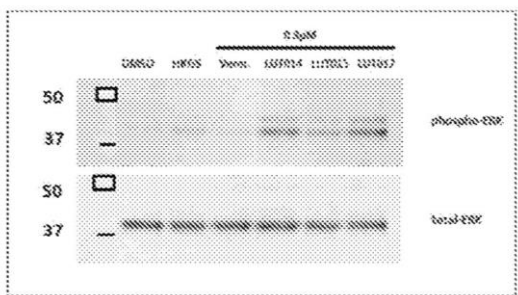
72: SHELACH, Noa

33: US 31: 62/538,675 32: 2017-07-29

54: NOVEL BRAF INHIBITORS AND USE THEREOF FOR TREATMENT OF CUTANEOUS REACTIONS

00: -

The present invention discloses novel BRAf inhibitors, compositions comprising these inhibitors and uses thereof for the treatment, amelioration and/or prevention of cutaneous reactions.



21: 2020/00628. 22: 2020/01/30. 43: 2023/12/12
51: B60G

71: BIRD, Alan, Bryn

72: BIRD, Alan, Bryn

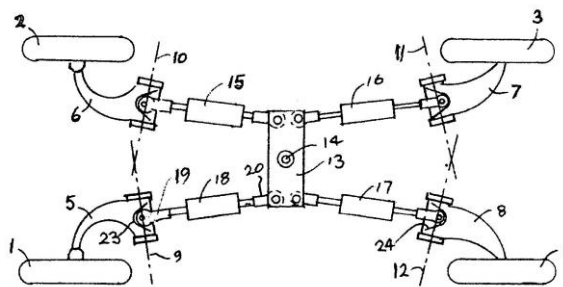
33: GB 31: 1710583.4 32: 2017-07-02

33: GB 31: 1805462.7 32: 2018-04-03

54: VEHICLE SUSPENSION

00: -

A vehicle suspension for supporting the body or chassis of a vehicle said suspension comprises two suspension arms (5,6) for positioning respectively at opposite sides and at one end of a vehicle and two suspension arms (7,8) for positioning respectively at opposite sides and at one end of a vehicle, each said arm being mounted for pivotal movement about a respective hinge axis (9-12), the suspension further comprising a balancing hub (13) for attachment to the vehicle body or chassis in a configuration in which at least one part of the balancing hub is free to rotate relative to the vehicle body or chassis about at least one pivotal position (14), and each suspension arm being connected to the balancing hub at a position of the suspension arm spaced from a respective hinge axis whereby pivotal movement of the suspension arm applies a force to the balancing hub and wherein, in use, said force opposes the force from another suspension arm at at least one of the same side and the same end of the vehicle suspension.



21: 2020/01372. 22: 2020/03/04. 43: 2023/11/07
51: A61K

71: CELATOR PHARMACEUTICALS, INC.

72: HAYES, MARK E, NOBLE, CHARLES, SZOKA, FRANCIS C JR

33: US 31: 61/759,914 32: 2013-02-01

54: REMOTE LOADING OF SPARINGLY WATER-SOLUBLE DRUGS INTO LIPOSOMES

00: -

The present invention provides liposome compositions containing sparingly soluble drugs. A preferred method of encapsulating a drug inside a liposome is by remote or active loading. Remote

loading of a drug into liposomes containing a transmembrane electrochemical gradient is initiated by co-mixing a liposome suspension with a solution of drug, whereby the neutral form of the compound freely enters the liposome and becomes electrostatically charged thereby preventing the reverse transfer out of the liposome. In the preferred embodiment the drug in the solubilizing agent is mixed with the liposomes in aqueous suspension so that the concentration of solubilizing agent is lowered to below its capacity to completely solubilize the drug. This results in the drug precipitating but remote loading capability is retained. The resulting drug-loaded liposomes are characterized by a high drug-to-lipid ratio and prolonged drug retention when the liposome encapsulated drug is administered to a subject.

21: 2020/01389. 22: 2020/03/04. 43: 2023/12/13
 51: A01K; C07K
 71: REGENERON PHARMACEUTICALS, INC.
 72: PRASAD, Brinda, TU, Naxin, MEAGHER, Karolina, MACDONALD, Lynn, MURPHY, Andrew, STEVENS, Sean

33: US 31: 62/565,438 32: 2017-09-29
54: NON-HUMAN ANIMALS EXPRESSING HUMANIZED C1Q COMPLEX

00: -
 Disclosed herein are nucleic acids encoding for and proteins expressing chimeric C1q polypeptides, non-human animals comprising said nucleic acids, and methods of making or using said non-human animals.

21: 2020/01586. 22: 2020/03/13. 43: 2023/12/12
 51: A61K; C12N
 71: GENZYME CORPORATION
 72: O'RIORDAN, Catherine, R., PALERMO, Adam, RICHARDS, Brenda, STANEK, Lisa, M.
 33: US 31: 62/561,843 32: 2017-09-22

54: VARIANT RNAI

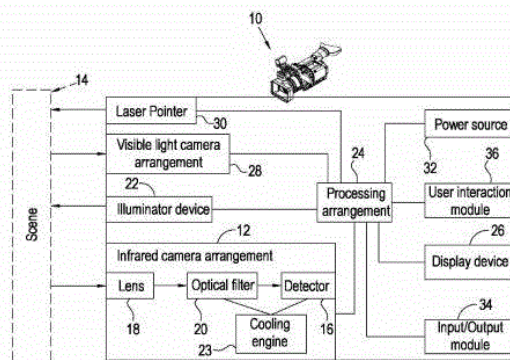
00: -
 Provided herein are RNAi molecules for treating Huntington's disease. Further provided herein are expression cassettes, vectors (e.g., rAAV, recombinant adenoviral, recombinant lentiviral, and recombinant HSV vectors), cells, viral particles, and pharmaceutical compositions containing the RNAi. Yet further provided herein are methods and kits

related to the use of the RNAi, for example, to treat Huntington's disease.

21: 2020/01815. 22: 2020/03/23. 43: 2023/11/07
 51: G01M; G01N
 71: CSIR
 72: Cox, Ettiienne
 33: GB 31: 1716534.1 32: 2017-10-09

54: A GAS DETECTION SYSTEM AND METHOD

00: -
 This invention relates to a method of and system for facilitating detection of a particular predetermined gas in a scene under observation. The gas in the scene is typically associated with a gas leak in equipment. To this end, the system comprises an infrared camera arrangement; a strobing illuminator device having a strobing frequency matched to a frame rate of the camera; and a processing arrangement. The processing arrangement is configured to store a prior frame obtained via the infrared camera arrangement; and compare a current frame with the stored prior frame and generate an output signal in response to said comparison. The system also comprises a display device configured to display an output image based at least on the output signal generated by the processing arrangement so as to facilitate detection of the particular predetermined gas, in use.

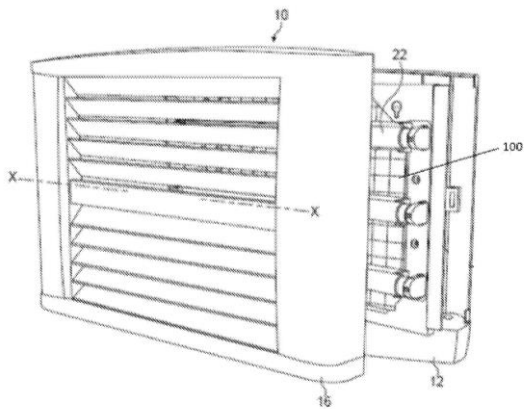


21: 2020/02996. 22: 2020/05/21. 43: 2023/11/06
 51: A01M
 71: Brandenburg (UK) Limited
 72: KAYE, Mathew Varghese, BAPTISTA, Carl
 33: GB 31: 1717415.2 32: 2017-10-23

54: AN INSECT TRAP

00: -
 The present invention relates to an insect trap (10) and more particularly to an insect trap comprising a

back housing (12), a cover (16) capable of transmitting light there through, and a light source (22) comprising light emitting diodes, hereafter LEDs, which emit ultra violet (UV) light. More particularly, the light source (22) is directed towards the insect capture or killing means (100) and the light source (22) is precluded from being directed immediately outwardly through the cover (16). In a preferred embodiment, the light source is mounted on carrying member(s) (24), which are shaped such that the light emitted is directed substantially parallel and splayed to a plane (X-X) of the back housing and insect capture means.



21: 2020/03781. 22: 2020/06/22. 43: 2023/11/08
 51: C12N; A21D
 71: DUPONT NUTRITION BIOSCIENCES APS
 72: ZHANG, KEYA, MILLER, LONE BROEND, KRAGH, LENE, JOERGENSEN, TINA LILLAN
 33: CN 31: PCT/CN2017/117174 32: 2017-12-19
54: IMPROVED ENZYMATIC MODIFICATION OF PHOSPHOLIPIDS IN FOOD

00: -
 A phospholipase A1 characterized by having an sn1/sn2 specificity ratio of about 5/45 or greater wherein said phospholipase A1 has a lysophospholipase/phospholipase activity ratio of less than 0.02 is presented in conjunction with methods for use in lipid containing food matrix, baking and making dough with the phospholipase and also including baking improvers using the disclosed phospholipase A1.

21: 2020/04499. 22: 2020/07/21. 43: 2023/11/16
 51: E02B; F03B
 71: WATEROTOR ENERGY TECHNOLOGIES INC.
 72: FERGUSON, Frederick D.

33: CA 31: 2993857 32: 2018-02-02
54: SYSTEMS AND METHODS FOR GENERATING ELECTRICAL ENERGY

00: -
 A vertical twin rotor water turbine apparatus and method for extracting energy from a flow of water is described herein. The described apparatus delivers favourable performance by virtue the operation of a novel configuration of a plurality of central cores with at least one blade member extending from each core and flow directors to increase the effectiveness and efficiency of said device.

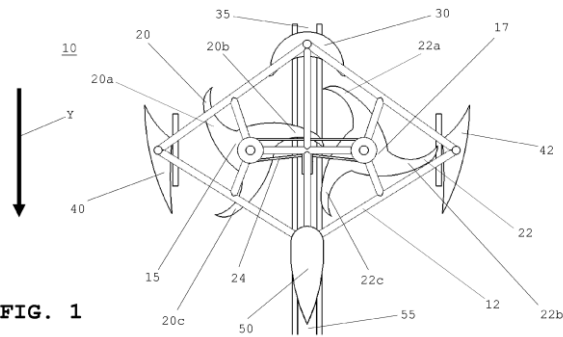
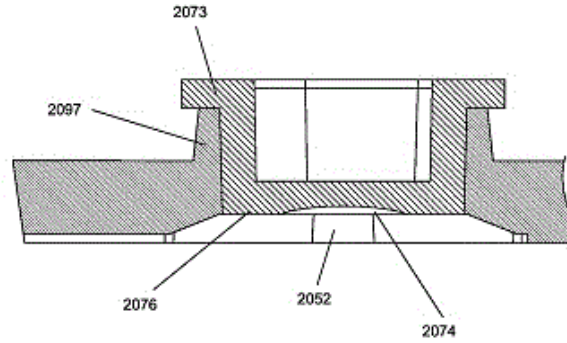
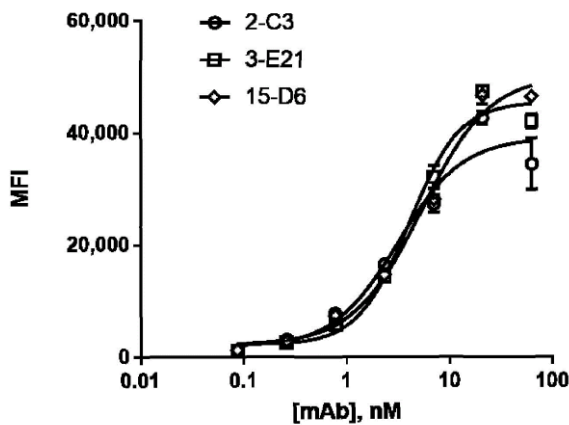


FIG. 1

21: 2020/04730. 22: 2020/07/30. 43: 2023/11/06
 51: A61K; C07K
 71: Phanes Therapeutics, Inc.
 72: WANG, Minghan, ZOU, Hui, JIA, Haiqun
 33: US 31: 62/640,288 32: 2018-03-08

54: ANTI-CLAUDIN 18.2 ANTIBODIES AND USES THEREOF

00: -
 Anti-CLDN18.2 antibodies and antigen-binding fragments thereof are described. Also described are nucleic acids encoding the antibodies, compositions comprising the antibodies, and methods of producing the antibodies and using the antibodies for treating or preventing diseases such as cancer and/or an inflammatory disease.



21: 2020/05052. 22: 2020/08/14. 43: 2023/11/08
 51: B01L
 71: TALIS BIOMEDICAL CORPORATION
 72: CAULEY III, THOMAS H
 33: US 31: 16/027,749 32: 2018-07-05
 33: US 31: 15/928,551 32: 2018-03-22
54: OPTICAL REACTION WELL FOR ASSAY DEVICE

00: -
 This disclosure relates to an apparatus for simultaneously filling a plurality of sample chambers. In one aspect, the apparatus comprises a common fluid source and a plurality of independent, continuous fluidic pathways. Each independent, continuous fluidic pathway comprises a sample chamber and a pneumatic compartment. The sample chamber is connected to the common fluid source, and the pneumatic compartment is connected to the sample chamber. The sample chamber comprises, in part, an assay chamber. The assay chamber comprises a monolithic substrate and a plug having optically transmissive properties. In some embodiments, the assay chamber contains a magnetic mixing element. In some embodiments, the assay chamber is a double tapered chamber. In some embodiments, a ratio of a volume of the sample chamber to a volume of the pneumatic compartment is substantially equivalent for each fluidic pathway of the plurality of fluidic pathways.

21: 2020/05672. 22: 2020/09/11. 43: 2023/11/07
 51: A61K; A61P; C07K
 71: PRECIGEN, INC.

72: BROUGH, DOUGLAS E, BOLINGER, CHERYL G, YARLAGADDA, RAMYA, KURELLA, VINODHBABU, PONRAJ, PRABAKARAN, METENOU, SIMON, DING, KUAN-FU
 33: US 31: 62/639,354 32: 2018-03-06
54: HEPATITIS B VACCINES AND USES OF THE SAME

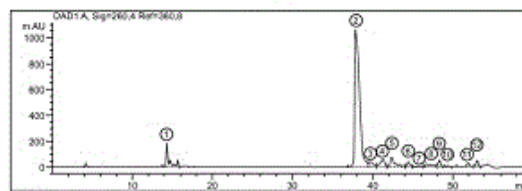
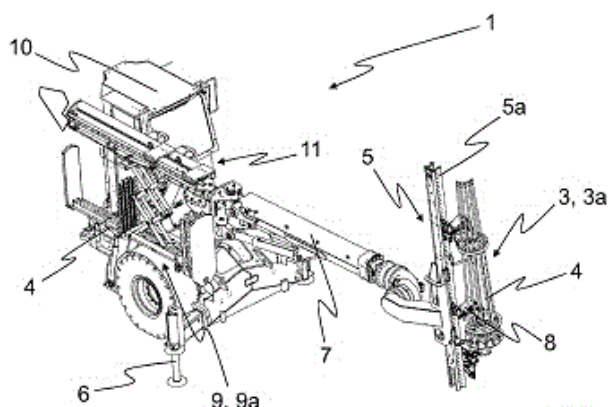
00: -
 Provided herein are engineered hepatitis B virus (HBV) molecular vaccine constructs. Vaccine constructs can also include ligand-inducible engineered gene switch systems for modulating expression of heterologous genes, such as a cytokines, in host cells.

21: 2020/05817. 22: 2020/09/18. 43: 2023/11/08
 51: E21D
 71: EPIROC ROCK DRILLS AKTIEBOLAG
 72: EKEFALK, MARTIN, OLSSON, JAN, LARSSON, BJÖRN ANDERS, DEUTSCH, RENÉ, GUSTAVSSON, HANS
 33: SE 31: 1850636-0 32: 2018-05-28

54: ROCK BOLTING RIG AND METHOD AT ROCK BOLTING RIG

00: -
 Herein is described a rig (1) adapted for rock bolting comprising a feeding magazine (3). The feeding magazine (3) comprises a holding structure (3a) for bolts (4) and is arranged in conjunction with a rock reinforcement unit (5). The rig (1) further comprises a feeding device (8) that is arranged to provide the rock reinforcement unit (5) with bolts (4) from the feeding magazine (3). The rig (1) further comprises a loading magazine (9) comprising a holding structure (9a) for bolts (4), as well as a, relative to the feeding magazine (3) and the loading magazine (9), moveable picking device (11) arranged to move

bolts (4) that are located in the loading magazine (9) such that they are accessible to the feeding device (8).



Peak #	Reten. Time [min]	Type	Width [min]	Area [mAU*min]	Height [mAU]	Area %
1	14.297	MM	0.3289	3623.52319	163.63400	6.1665
2	37.281	MF	0.6886	4.3974164	1054.70142	74.0343
3	39.764	FM	0.6084	1453.00427	39.60315	2.4687
4	41.269	FM	0.6541	2267.20410	57.76622	3.8521
5	42.377	MF	0.8585	3004.52759	75.93487	5.1048
6	44.459	FM	0.4059	953.07618	39.13720	1.6193
7	45.961	FM	0.6931	134.64096	3.29974	0.2388
8	46.754	MF	0.8563	1150.84033	22.39912	1.9553
9	46.331	FM	0.3501	1082.83199	51.54351	1.8384
10	49.310	MM	0.4368	186.19765	7.00598	0.3184
11	51.937	MM	0.4924	659.89532	23.78848	1.1212
12	53.950	MM	0.2866	786.97327	44.60481	1.9031
Totals:				5.83566e4	1603.66652	

21: 2020/05857. 22: 2020/09/22. 43: 2023/11/08
 51: C07H; C12N
 71: GERON CORPORATION
 72: RAMIYA, PREMCHANDRAN H
 33: US 31: 61/987,396 32: 2014-05-01
 33: US 31: 62/151,909 32: 2015-04-23
54: OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF MAKING THE SAME
 00: -

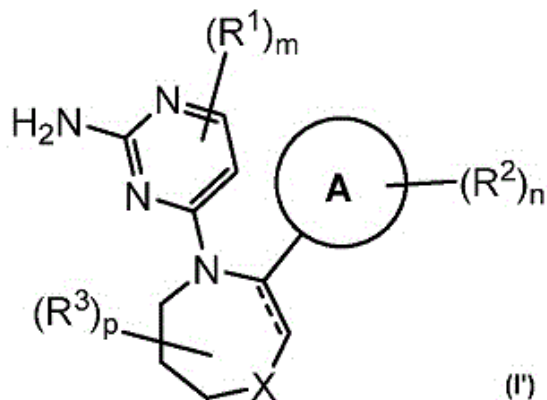
The present disclosure provides a solid phase method of making oligonucleotides via sequential coupling cycles including at least one coupling of a dinucleotide dimer subunit to a free 3'-terminal group of a growing chain. The oligonucleotides include at least two nucleoside subunits joined by a N3'→P5' phosphoramidate linkage. The method may include the steps of (a) deprotecting the protected 3' amino group of a terminal nucleoside attached to a solid phase support, said deprotecting forming a free 3' amino group; (b) contacting the free 3' amino group with a 3'-protected amino-dinucleotide-5'-phosphoramidite dimer in the presence of a nucleophilic catalyst to form an internucleoside N3'→P5' phosphoramidite linkage; and (c) oxidizing (e.g., sulfurizing) the linkage. The compositions produced by the subject methods may include a reduced amount of one or more (N-x) oligonucleotide products. Also provided are pharmaceutical compositions including the subject oligonucleotide compositions.

21: 2020/06026. 22: 2020/09/29. 43: 2023/11/08
 51: A61K
 71: ETHRIS GMBH
 72: DOHMEN, CHRISTIAN, MYKHAILYK, OLGA
 33: EP 31: 18169325.0 32: 2018-04-25
 33: EP 31: 18189010.4 32: 2018-08-14
54: LIPID-BASED FORMULATIONS FOR THE DELIVERY OF RNA
 00: -

The invention provides a composition which is suitable for the delivery of RNA, which composition comprises (i) particles contained in a liquid phase, wherein the particles comprise RNA and a lipid composition, and (ii) 1,2 propanediol. The lipid composition comprises (i-a) a cholesterol derivative, (i-b) a phosphoglyceride, and (i-c) a pegylated phosphoglyceride. Further provided are a method for preparing the composition, and a solid composition which is obtainable by freezing the composition wherein particles are contained in a liquid phase.

21: 2020/06071. 22: 2020/09/30. 43: 2023/11/08
 51: C07D; A61K; A61P
 71: MERCK PATENT GMBH, VERTEX PHARMACEUTICALS INCORPORATED
 72: YU, HENRY, CLARK, MICHAEL, BEMIS, GUY, BOYD, MICHAEL, CHANDUPATLA, KISHAN, COLLIER, PHILIP, DENG, HONGBO, DONG, HUIJUN, DORSCH, WARREN, HOOVER, RUSSELL R, JOHNSON JR., MAC ARTHUR, KULKARNI, SHASHANK, PENNEY, MARINA, RONKIN, STEVEN, TAKEMOTO, DARIN, TANG, QING, WAAL, NATHAN D, WANG, TIANSHENG, LAUFFER, DAVID J, LI, PAN
 33: US 31: 62/661,719 32: 2018-04-24
54: ANTIPROLIFERATION COMPOUNDS AND USES THEREOF
 00: -

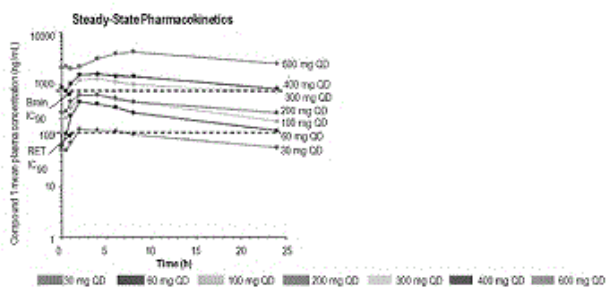
The present invention provides compounds of Formula (I'), or pharmaceutically acceptable salts thereof, pharmaceutical compositions thereof, and methods of use thereof for treating cellular proliferative disorders (e.g. cancer).



21: 2020/06072. 22: 2020/09/30. 43: 2023/11/08
 51: A61K; A61P
 71: BLUEPRINT MEDICINES CORPORATION
 72: EVANS RAAB, ERICA, WOLF, BENI B
 33: US 31: 62/652,284 32: 2018-04-03
 33: US 31: 62/657,605 32: 2018-04-13
 33: US 31: 62/741,683 32: 2018-10-05
 33: US 31: 62/656,297 32: 2018-04-11

54: RET INHIBITOR FOR USE IN TREATING CANCER HAVING A RET ALTERATION

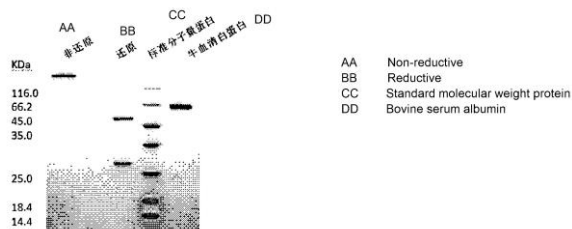
00: -
 Disclosed herein is the treatment of a subject afflicted with a cancer having an activating RET alteration by administering an effective amount of a selective RET inhibitor, e.g., Compound 1 or pharmaceutically acceptable salts thereof, including, e.g., administering an amount of 300 mg to 400 mg of the selective RET inhibitor once daily.



21: 2020/06317. 22: 2020/10/12. 43: 2023/11/06
 51: A61K; A61P; C07K; C12N; G01N
 71: Akeso Biopharma, Inc.

72: WANG, Zhongmin Maxwell, LI, Baiyong, XIA, Yu, ZHANG, Peng
 33: CN 31: 201810344670.3 32: 2018-04-17
54: MONOCLONAL ANTIBODY OF NERVE GROWTH FACTOR AND ENCODING GENE AND USE THEREOF

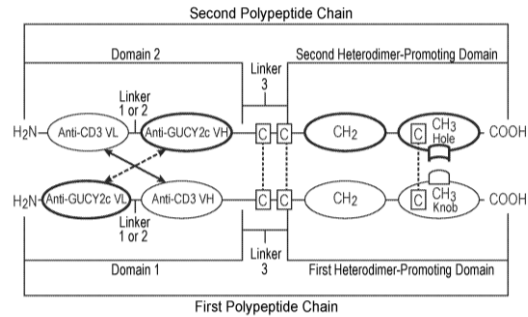
00: -
 Disclosed are a monoclonal antibody of a nerve growth factor and an encoding gene thereof and the use thereof. The monoclonal antibody of the nerve growth factor of the present invention comprises heavy and light chains, wherein the heavy chain comprises a heavy chain constant region and a heavy chain variable region; the light chain comprises a light chain constant region and a light chain variable region; the heavy chain variable region includes three complementary determining regions HCDR1, HCDR2 and HCDR3; and the light chain variable region includes three complementary determining regions LCDR1, LCDR2 and LCDR3. The monoclonal antibody of the nerve growth factor of the present invention can specifically bind to the nerve growth factor, can be used for detecting the presence and/or level of the nerve growth factor, for preparing a drug that inhibits nerve-growth-factor-dependent proliferation in TF-1 cells, and for preparing a drug for treating or preventing at least one of neuropathic pain, chronic pain and inflammatory pain, and has good application prospects and market value.



21: 2020/06369. 22: 2020/10/14. 43: 2023/12/06
 51: A01M; E01H
 71: Discovery Purchaser Corporation
 72: KILIAN, Michael, ARIANS, Thomas, GIRAUD, Virginie, HADLOW, James, JIMENEZ TARODO, Sergio
 33: EP 31: 18172063.2 32: 2018-05-14
54: A RAILWAY WEED CONTROL VEHICLE
 00: -

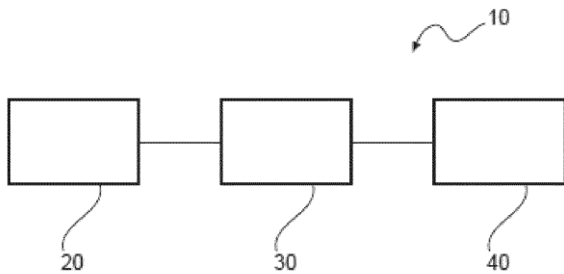
The present invention relates to a railway weed control vehicle. It is described to activate (110) at least one weed control unit to control weeds along

and around a railway track. The railway track comprises rails and sleepers. The at least one electrode based weed control unit is mounted at at least one first position of the vehicle. Sensor data is acquired (120) by at least one sensor. The sensor data relates to at least one location along and around the railway track. The at least one sensor is mounted at at least one second position of the vehicle. With respect to a forward movement direction of the vehicle the at least one second position is in front of the at least one first position. The sensor data is provided (130) to a processing unit. The sensor data is analysed (140) by the processing unit to determine locations of rail infrastructure components in addition to the rails and sleepers. The processing unit modifies (150) activation of one or more electrode based weed control units of the at least one electrode based weed control unit comprising utilisation of at least one location of the determined locations of the rail infrastructure components.



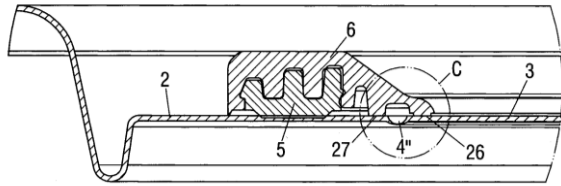
21: 2020/07443. 22: 2020/11/30. 43: 2023/12/05
 51: B65D
 71: TOP CAP HOLDING GMBH
 72: PIECH, Gregor, Anton
 33: EP 31: 18178571.8 32: 2018-06-19
54: METALLIC CAN LID
 00: -

The invention relates to a metallic can lid having a reclosable opening for e.g. beverage cans, comprising: a line of weakness provided in the metallic lid surface and surrounding the opening; a sealing frame (5) made of plastic material connected to the fixed lid surface (2) and surrounding the opening region; a closure unit (6) made of plastic material which is connected to the upwardly pivotable metallic lid region (3) located within the line of weakness, is pivotably mounted on the fixed lid surface (2) via a pivot bearing (7) and which is preferably provided with a pull-tab element (8) that is connected to the closure unit (6) so as to be pivotable upwards diametrically opposite the pivot bearing (7), wherein the sealing frame (5) and the closure unit (6) sealingly cooperate, preferably via sealing and engagement ribs (12, 13, 14) and associated receiving grooves (15, 16, 17), and the metallic lid region (3) located within the peripheral line of weakness is received and held in the opening region of the lid (1), wherein the sealing frame (5) is integrally joined to the fixed lid surface (2) and the closure unit (6) is integrally joined to the upwardly pivotable metallic lid region (3), and wherein the interior face of the lid is free of laminations and the like.



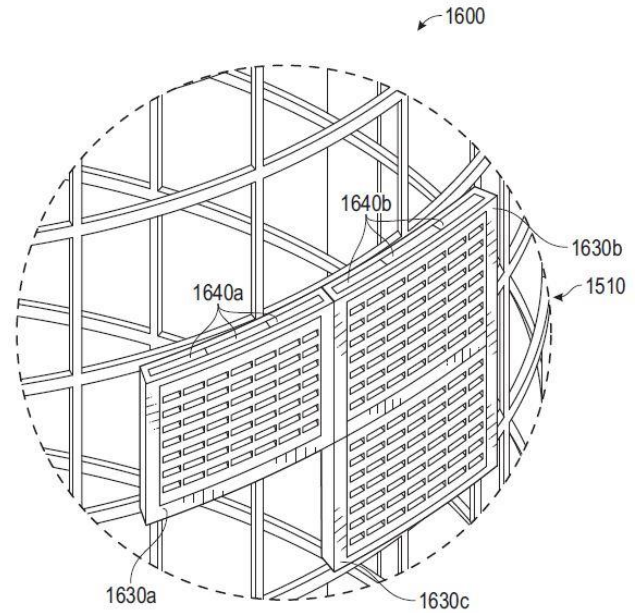
21: 2020/06859. 22: 2020/11/03. 43: 2023/12/05
 51: A61K; C07K; A61P
 71: Pfizer Inc.
 72: LAVALLIE, Edward, Roland, MOSYAK, Lidia, ROOT, Adam, Reid, KATRAGADDA, Madan, MATHUR, Divya, CHANG, Chew, Shun, GUNTAS, Gurkan
 33: US 31: 62/675,617 32: 2018-05-23
 33: US 31: 62/848,519 32: 2019-05-15
54: ANTIBODIES SPECIFIC FOR GUCY2C AND USES THEREOF
 00: -

The present invention provides novel antibodies that specifically bind to GUCY2c and uses thereof in the treatment of cancer. The present invention further provides novel bispecific antibodies comprising such antibodies and uses thereof in the treatment of cancer.



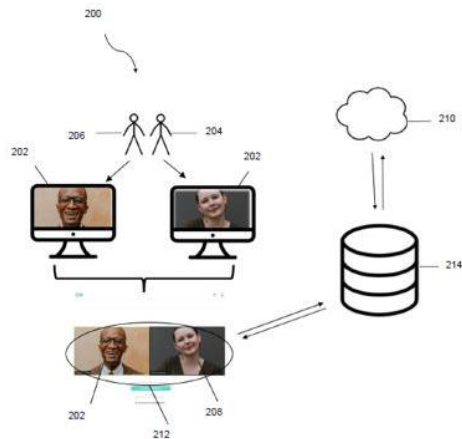
21: 2020/07582. 22: 2020/12/04. 43: 2023/11/13
 51: B01D; B07B
 71: DERRICK CORPORATION
 72: COLGROVE, JAMES R., SMITH, CLIFFORD C.
 33: US 31: 62/515,964 32: 2017-06-06
 33: US 31: 62/615,302 32: 2018-01-09
54: METHOD AND APPARATUSES FOR SCREENING

00: -
 Methods and apparatuses for screening are provided. Embodiments include a screen basket apparatus for screening material, comprising a grid frame (1510) having a plurality of openings (1513) arranged in a lattice and a plurality of screening cartridge assemblies (1610a, 1610b, 1610c) affixed to the grid frame (1510) to cover the respective openings (1513) of the grid frame (1510). The screening cartridge assembly (1610a, 1610b, 1610c) includes a case (1630a) and a screen assembly (1640a, 1640b) fitted into the case (1630a), and may be affixed to a set of transversal member (1512) of the grid frame (1510). The case (1630a) may be an injection molded thermoplastic polyurethane or a thermoset polymer. The screening elements together form a generally continuous screening surface across an exterior portion of the grid frame (1510).



21: 2021/00371. 22: 2021/01/15. 43: 2024/01/04
 51: G06Q
 71: WAGENAAR, RUDOLPH
 72: WAGENAAR, RUDOLPH
 33: ZA 31: 2020/00449 32: 2020-01-23
54: A SYSTEM OPERABLE TO ENABLE THE ENDORSEMENT OF INDIVIDUALS AND/OR THEIR SKILLS OR SERVICES, AND A METHOD OF ENDORSING ONE INDIVIDUAL AND/OR THEIR SKILLS OR SERVICES

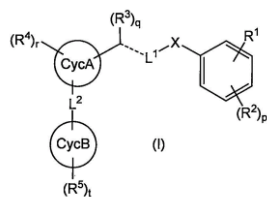
00: -
 According to a first aspect of the invention, there is provided a system operable to enable the endorsement of individuals and/or their skills by third parties, the system is provided in the example form of a mobile application and/or platform operable to be run on a mobile device and/or computer, including one or more of the following: a means for a first user of said system to create a user profile on said system; a means of making a video recording or photographic image, said video recording or photographic image being that of said first user being together with a second user either in person recording the joint video endorsement side by side or virtually when it is not possible for both parties to be in the same physical location; a means of enabling said first and/or said second user to associate said video recording or photographic image to a user profile.



21: 2021/00679. 22: 2021/01/29. 43: 2023/11/03
 51: A61K; A61P; C07C; C07D
 71: Ono Pharmaceutical Co., Ltd.
 72: NOJIMA, Shoji, SASAKI, Kenji, KAMBE, Tohru,
 KONEMURA, Takashi, GOTO, Yoshikazu
 33: JP 31: 2018-143024 32: 2018-07-31

54: BENZENE DERIVATIVE

00: -
 A compound represented by general formula (I) (wherein each symbol is as defined in the description) or a salt thereof has a potent neural protecting and/or repairing effect and, therefore, is usable as a therapeutic agent for neurological disorders (for example, chronic inflammatory demyelinating polyneuropathy, Guillain-Barre syndrome, periarteritis nodosa, allergic angitis, diabetic peripheral neuropathy, entrapment syndrome, peripheral neuropathy associated with chemotherapeutic drug administration, peripheral neuropathy associated with Charcot-Marie-Tooth disease, etc.).



21: 2021/00755. 22: 2021/02/03. 43: 2023/12/13
 51: F41H; G02B
 71: HYPERSTEALTH BIOTECHNOLOGY CORPORATION
 72: CRAMER, Guy
 33: US 31: 62/693,959 32: 2018-07-04
 33: US 31: 62/732,240 32: 2018-09-17
 33: CA 31: PCT/CA2019/000019 32: 2019-02-13

54: INTERCONNECTED LENS MATERIALS ARRANGED AS LENS SHEETS FOR IMPROVED CAMOUFLAGE

00: -
 The present invention is relates uses of a lens sheet as a camouflaging agent in various applications. Various embodiments of a lens sheet assembly, methods of making the various embodiments of the lens sheet assembly and methods of using embodiments by placing the assembly between an object to be camouflaged and an observer are disclosed. Light from the object undergoes at least one of refraction and reflection such that the object is substantially disguised from the observer.

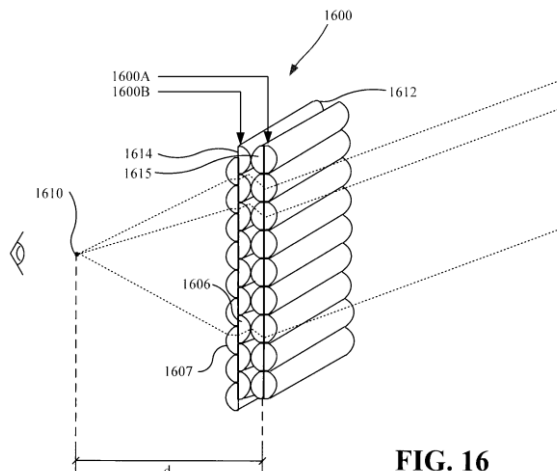


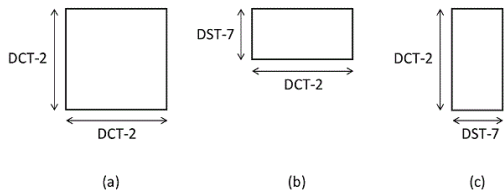
FIG. 16

21: 2021/02521. 22: 2021/04/16. 43: 2023/11/16
 51: H04N
 71: NOKIA TECHNOLOGIES OY
 72: LAINEMA, Jani
 33: FI 31: 20185782 32: 2018-09-20

54: A METHOD AND AN APPARATUS FOR ENCODING AND DECODING OF DIGITAL IMAGE/VIDEO MATERIAL

00: -
 The embodiments relate to a method comprising determining a coding mode of a transform block, wherein a transform block comprises a set of transform coefficients; determining a shape of the transform block; determining at least one transform mode for a block based at least partly on said coding mode and said shape of the transform block; applying the determined transform mode to a set of transform coefficients to produce sample values; and adding said sample values to a block of predicted

sample values. The embodiments also relate to technical equipment for implementing the method.



21: 2021/02914. 22: 2021/04/30. 43: 2023/12/07

51: H04N

71: FONDATION B-COM

72: HENRY, Félix, CLARE, Gordon, PHILIPPE, Pierrick

33: FR 31: 1860360 32: 2018-11-09

54: METHOD AND DEVICE FOR CODING AND DECODING AN IMAGE BY BLOCK CUTTING INTO ZONES

00: -

The invention relates to a method for encoding or decoding at least one image, an image being split into blocks of elements, said method comprising, for at least one block: - splitting (E1) of the block into at least two areas; - processing (E2) of at least one said area, comprising scanning of the elements of the area according to a predetermined scanning order, and for at least one scanned element, called current element: - selection (E21) of at least one predictor element previously encoded or decoded according to a prediction function; - prediction (E25) of the current element: - from the at least one predictor element, if the at least one predictor element belongs to said area; - from at least one replacement value, otherwise.

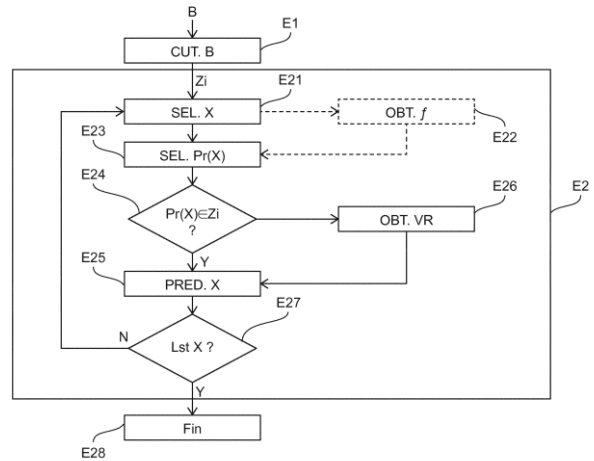


Fig. 2

E28 End

21: 2021/02916. 22: 2021/04/30. 43: 2023/11/16

51: E21B; F42D

71: MTI GROUP PTY LTD

72: BODLEY, Nicholas, SMITH, Jamie

33: AU 31: 2018903977 32: 2018-10-19

54: INFLATABLE DOWN HOLE BAG WITH INFLATION REAGENT RELEASE

00: -

An inflatable down hole bag comprises an inflatable body for holding an inflation fluid; and a container for holding one or more substances. The container is disposed inside of the inflatable body. The container comprises a closure for keeping the one or more substances in the container when the closure is in an inoperative state. The closure is also for releasing the one or more substances from the container when the closure is in an operative state. Release of the one or more substances causes an inflation fluid producing reaction within the inflatable body, thereby inflating the inflatable body. The container comprises at least two separated chambers. Each chamber is for holding a respective one of the substances. The closure comprises a stopper for closing a respective opening to one of the chambers. The closure further comprises an actuator for removing each stopper from the respective opening so as to release each substance from each respective chamber.

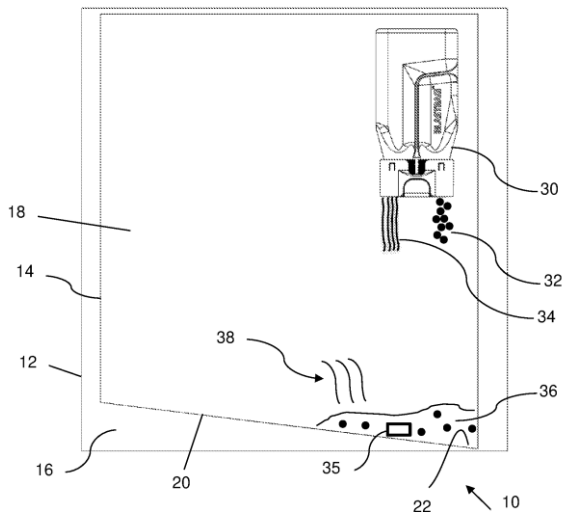


FIG. 1

21: 2021/02937. 22: 2021/04/30. 43: 2023/11/07
51: G01N; H01J

71: Commonwealth Scientific and Industrial Research Organisation

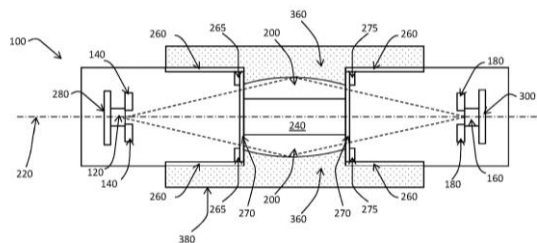
72: TICKNER, James Richard, O'DWYER, Joel
33: AU 31: 2018903962 32: 2018-10-19

54: AN ENERGY-DISPERSIVE X-RAY DIFFRACTION ANALYSER COMPRISING A SUBSTANTIALLY X-RAY TRANSPARENT MEMBER HAVING AN IMPROVED REFLECTION GEOMETRY

00: -

An on-line energy dispersive X-ray diffraction (EDXRD) analyser for mineralogical analysis of material in a process stream or a sample is disclosed. The analyser includes a collimated X-ray source to produce a diverging beam of polychromatic X-rays, and an energy resolving X-ray detector, and a substantially X-ray transparent member having the form of a solid of revolution which is circularly symmetric about a central axis between the collimated X-ray source and the energy resolving X-ray detector, an outer surface of the X-ray transparent member positionable adjacent the material to be analysed. A primary beam collimator is disposed adjacent to or within the substantially X-ray transparent member to substantially prevent direct transmission of polychromatic X-rays emitted from the source to the detector. The analyser is configured such that the diverging beam of polychromatic X-rays are directed towards the substantially X-ray transparent member, and where the energy resolving X-ray detector collects a portion

of the beam of X-rays diffracted by the material and outputs a signal containing energy information of the collected, diffracted X-rays.



21: 2021/02968. 22: 2021/05/03. 43: 2023/11/20
51: E04G

71: PERI SE

72: MIKIC, Erzad, STEINLE, Bernhard, BULLING, Jürgen

33: DE 31: 20 2018 106 709.5 32: 2018-11-26

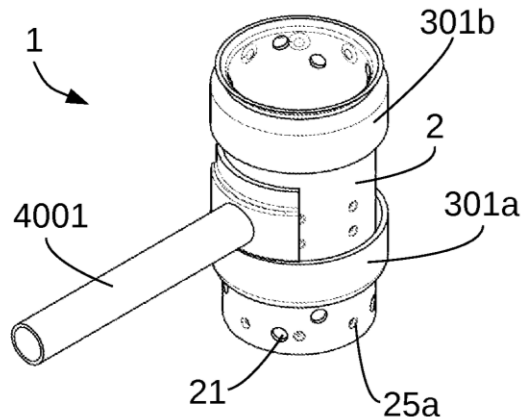
33: DE 31: 20 2019 102 265.5 32: 2019-04-20

33: DE 31: 10 2019 117 082.6 32: 2019-06-25

54: SCAFFOLD NODE

00: -

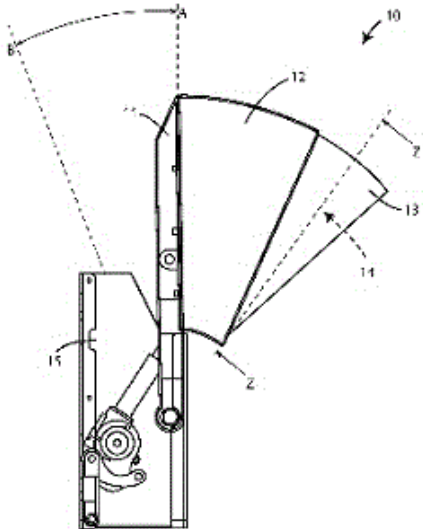
The invention relates to a scaffold node for connecting scaffold elements extending in different spatial directions, comprising a connecting sleeve which is provided as a coupling point for two scaffold components, in particular for two vertical posts or for a vertical post and a spindle nut post, and at least one coupling element which is used to connect the scaffold node to further scaffold components or scaffold elements. The invention also relates to a scaffold portion comprising a scaffold node and further scaffold elements.



21: 2021/03000. 22: 2021/05/04. 43: 2023/11/01
51: E06B

71: GUNNEBO ENTRANCE CONTROL LTD.
 72: PORT, IAIN DAVID
 33: IT 31: 102018000009238 32: 2018-10-08
54: SWING/WING GATE TURNSTILE
 00: -

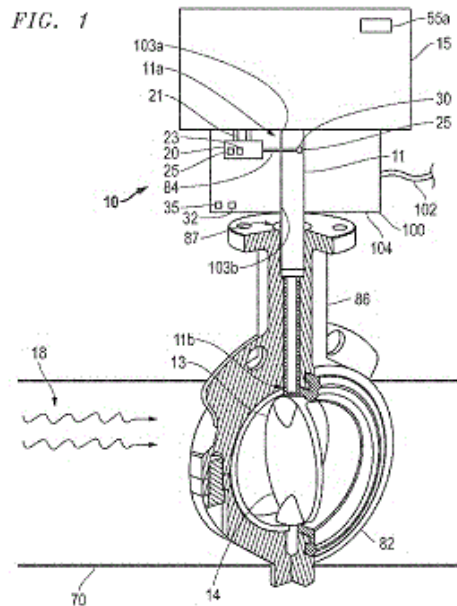
A wing/swing turnstile gate (100), installed at controlled entrances or exits, comprising at least: - a frame (15); - a flap (10); the frame (15) comprises at least - a control unit (16) - an actuating means (17). The control unit (16) is in communication with the actuating means (17) such that the control unit (16) is able to operate the actuating means (17). The flap (20) is fixed to the actuating means (17) of said frame (15) such that the flap (10) is operatable, from a close position (A) to an open position (B) and/or vice versa when a user is present within its zone of detection, by said control unit (16) via the actuating means (17). The flap (10) is equipped with a sensing device (14), in communication with the control unit (16), apt to regulate the behavior of the flap (10), and/or send information of a user to the control unit (16) to be processed.



21: 2021/03870. 22: 2021/06/04. 43: 2023/11/14
 51: F16K
 71: BRAY INTERNATIONAL, INC.
 72: BROWN, CRAIG, SCHMIDT, JIM, DHRUVA,
 BRINDESH, KITCHENS, MICHAEL, ALLEN, STAN
 33: US 31: 62/776,033 32: 2018-12-06
**54: SMART VALVE ADAPTOR WITH
 INTEGRATED ELECTRONICS**
 00: -

The embodiments disclosed herein relate to an apparatus for monitoring a valve having a control

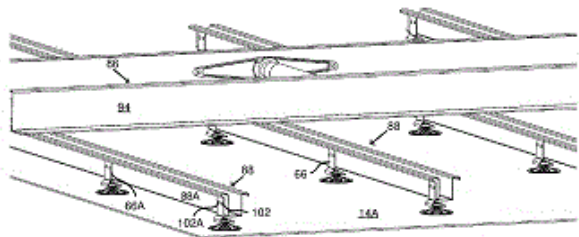
element, wherein the control element is actuated by an actuator, having: an adaptor between the control element and the actuator, wherein the adaptor couples a valve stem of the control element to the actuator; and an electronics module contained within the adaptor, wherein the electronics module further comprises one or more sensors.



21: 2021/03871. 22: 2021/06/04. 43: 2023/11/16
 51: F24S
 71: VAST SOLAR PTY LTD
 72: DREWES, KURT FRIEDRICH, LESLIE, BRUCE
 ALEXANDER
 33: AU 31: 2018904610 32: 2018-12-04
54: A HELIOSTAT SUB-ASSEMBLY
 00: -

The invention relates to a heliostat sub-assembly and to a method of forming such a sub-assembly. The method of mounting a concave mirror to a supporting structure of a heliostat includes the steps of bonding a plurality of risers at predetermined spaced intervals to a rear face of the mirror, each riser having a bonding pad and a stem extending from the bonding pad, and applying a predetermined concave curvature to the mirror by conforming the front face of the mirror with a convex forming jig or die. The supporting structure and curved mirror are then aligned, and the supporting structure is clinched to the stems of the risers when the curved mirror is conformed with the forming die. The riser stems may be coupled to the bonding pads via multi-axial joint

assemblies to enable limited multi-pivotal movement of the stems relative to the bonding pads to facilitate alignment of faces of the stems with the faces of the ribs defined by webs, and relative expansion and contraction of the mirror and supporting structure, the overlap between the riser stems and the webs being sufficient to accommodate clinching with variations in curvature of the glass sheet.



21: 2021/04282. 22: 2021/06/22. 43: 2023/12/13
51: A24F; A61M

71: PHILIP MORRIS PRODUCTS S.A.
72: ZUBER, Gerard, CAMPITELLI, Gennaro,
DAYIOGLU, Onur, SPADARO, Fabiana
33: EP 31: 19160897.5 32: 2019-03-05

54: HOLDER FOR INHALER ARTICLE

00: -
A holder (150) for an inhaler article (110) includes a housing (151) defining an inhaler article cavity (154). A piercing element (160) is fixed to and extends into the inhaler article cavity. A sleeve (180) is disposed within the inhaler article cavity and is configured to retain an inhaler article. The sleeve is movable along the housing longitudinal axis. A spring element (200) is configured to bias the sleeve toward the open proximal end (156) of the housing.

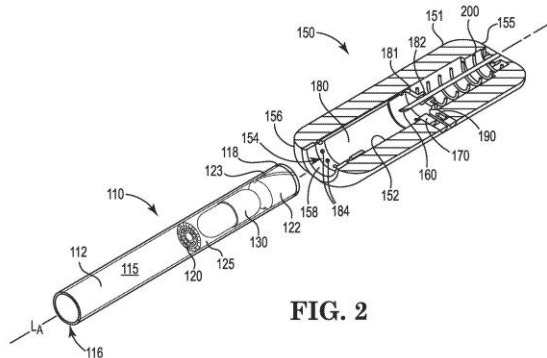


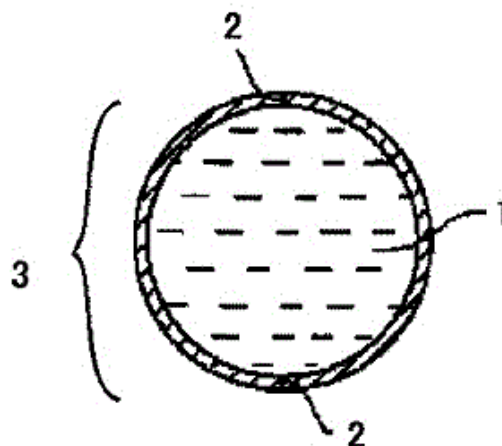
FIG. 2

21: 2021/04629. 22: 2021/07/02. 43: 2023/11/01
51: A24D

71: SUNSHO PHARMACEUTICAL CO., LTD.
72: KOYAMA, KENICHI
33: JP 31: PCT/JP2019/016612 32: 2019-04-18
33: JP 31: 2019-006785 32: 2019-01-18

54: SEAMLESS CAPSULE, AND FILTER AND SMOKING DEVICE INCLUDING SAME

00: -
[Problem] To provide a capsule capable of disintegrating and capable of suppressing volatilization over time from a capsule film for highly-volatile capsule content. [Solution] A seamless capsule that is used in a smoking device and is capable of disintegrating, wherein the seamless capsule comprises content including an oily component, and a capsule film for encapsulating the content. The capsule film contains polysaccharides and has a thickness of at least 60 μm . The volatile content (VC) of the content at four hours when left to stand in an environment in which the temperature is 25°C and the relative humidity is 40% is 3.0% by weight relative to the total weight of the content that has been blended in. The breaking strength per capsule diameter is 3–8 N/mm. In an embodiment, the breaking strength per capsule diameter is 3.5–8 N/mm. In another embodiment, the capsule film does not include gelatin.



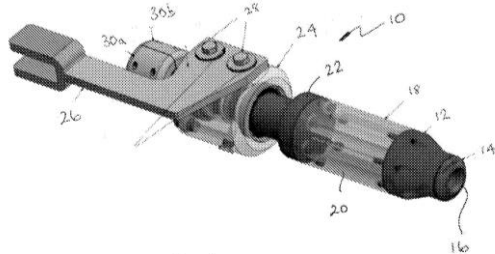
21: 2021/04909. 22: 2021/07/13. 43: 2023/12/13
51: E21D

71: FCI HOLDINGS DELAWARE, INC.
72: ROBERTS, Trent, Andrew, ARNOT, Jeremy, Ross
33: AU 31: 2019900457 32: 2019-02-13

54: RESIN INJECTION DOLLY

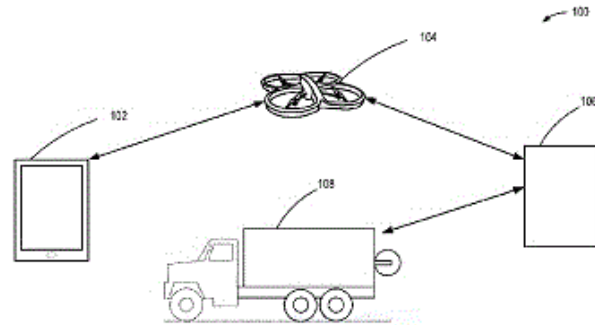
00: -

A rock bolt dolly (10) which connects a self-drilling rock bolt (300), to a rock bolting apparatus and transfers percussive energy applied to the dolly (10) by the rock bolting apparatus (50) to the rock bolt during installation of the rock bolt in strata and rock is disclosed. The dolly includes coupling means (30a, 30b) for coupling the dolly to the output shaft of the rock bolting apparatus and a percussion plate (42) comprising an end plate (44) and integral side walls (47) defining an internally threaded recess for receiving the threaded end of the rock bolt, for applying percussive loading to the elongate hollow rod of the rock bolt (300) via the end plate and threaded side walls. The dolly also includes a body portion extending between the coupling means and the percussion plate transmitting forces from the output shaft to the percussion plate; which defines at least one passageway (136) for the passage of grout or resin from a reservoir through the rock bolt dolly and into the rock bolt.



21: 2021/05109. 22: 2021/07/20. 43: 2023/11/03
 51: G06Q; B64C; B64D
 71: DYNNO NOBEL INC.
 72: GILTNER, SCOTT, FLINCHUM, RUFUS E, AVERETT, JEFFREY, NAWROCKI JR., JOSEPH
 33: US 31: 62/801,312 32: 2019-02-05
54: SYSTEMS FOR AUTOMATED BLAST DESIGN PLANNING AND METHODS RELATED THERETO
 00: -

A system, method, or apparatus for generating a blast plan that can receive blast data comprising geological properties of a blast site, blasthole parameters, and available explosive product. A pattern footage can be determined based on a relationship between the face height, the specific energy of the available explosive product, and the geological properties of the bench. The burden and spacing can be determined from the pattern footage.



21: 2021/05173. 22: 2021/07/22. 43: 2023/11/01
 51: E21B; F16D; F16L
 71: SWICK MINING SERVICES LTD
 72: ATTIWELL, PAUL
 33: AU 31: 2015904625 32: 2015-11-10
54: A CONNECTION DEVICE
 00: -

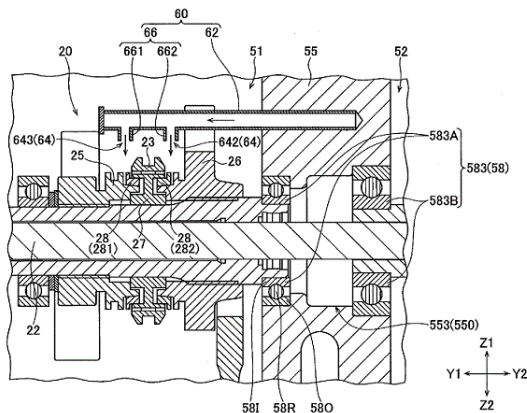
A connection device for a core drilling assembly is disclosed, the connection device connectible between a head assembly of a core drilling assembly and an inner tube of the core drilling assembly. The connection device comprises a first connection portion and a second connection portion, and includes a connection mechanism arranged to facilitate engagement of the first and second connection portions with each other and disengagement of the first and second connection portions from each other. The connection mechanism includes at least one locking projection disposed on the first connection portion and at least one corresponding locking path disposed on the second connection portion, the locking path having a locking position such that the first and second connection portions are held together when a locking projection is disposed in the locking position. Each locking projection is engageable with a respective locking path, and the locking path is arranged such that the locking projection is movable through the locking path and receivable in the locking position by moving the first and second connection portions substantially towards each other and rotating the first and second connection portions relative to each other. The connection mechanism also includes a locking member mounted on the first or second connection portion such that rotation of the locking member is restricted, wherein when the locking projection is disposed in the locking position, the locking member is reciprocally movable between a

first position wherein the first and second connection portions are restrained from rotating relative to each other and the projection is thereby restrained from moving along at least a portion of the locking path, and a second position wherein the first and second connection portions are not restrained from rotating relative to each other and the projection is able to move along the locking path.

21: 2021/05341. 22: 2021/07/28. 43: 2023/11/16
 51: F16H F16D
 71: KUBOTA CORPORATION
 72: WATANABE, Masatoshi, SONOHATA, Ryosuke
 33: JP 31: 2019-019206 32: 2019-02-05

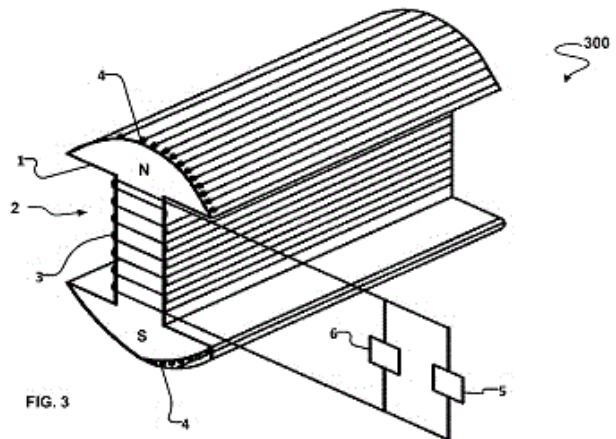
54: TRAVELING VEHICLE

00: -
 The purpose of the present invention is to provide a traveling vehicle that can suppress wear of a synchronizer ring even when the synchronizer ring is not immersed in oil. The traveling vehicle (1) comprises: an engine (3); a case (5) in which a gear configured to transmit power from the engine is accommodated; and a supply tube (60) that is disposed in an accommodation space of the case and supplies the oil from the outside of the case to the inside of the case. The power transmission device has a gear and a synchronizer ring (28) in contact with the gear. The supply tube has: a tubular main body (62) through which the oil flows; a discharge port (64) through which the oil is discharged; and a guide part (66) that is configured to guide the oil discharged from the discharge port between the gear and the synchronizer ring.



21: 2021/05481. 22: 2021/08/02. 43: 2023/11/03

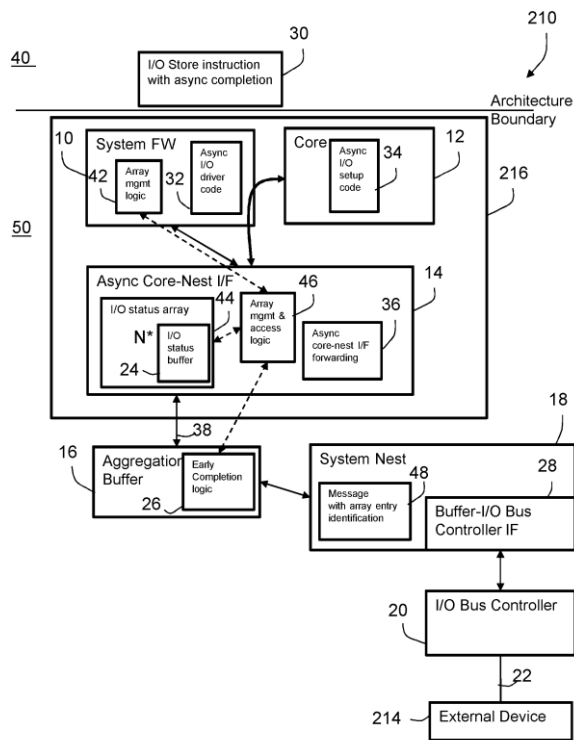
51: H02K
 71: A&I POWER GROUP INC.
 72: HERRERA, ALEXIS EDUARDO, BAGHDANE, IYAD SAMER
 33: US 31: 62/787,975 32: 2019-01-03
 33: US 31: 16/689,827 32: 2019-11-20
54: A HIGH EFFICIENCY POWER GENERATION SYSTEM AND A METHOD OF OPERATING SAME
 00: -
 A power generating system using magnetic induction and a method of operating same are disclosed. The power generating system includes at least one stationary electromagnet receiving an excitation voltage from a power supply. The at least one stationary electromagnet has a north pole, a south pole and a magnetic field. The system also includes at least one stationary coil positioned inside the magnetic field and intersected by magnetic field lines of the at least one electromagnet such that when the at least one electromagnet is excited, an electromotive force (EMF) is induced in the at least one stationary coil. The power supplied may be AC or DC. The system also includes a frequency modulator for changing the rate of electric current introduced to the at least one electromagnet so that the change of current rate will cause an EMF to be induced in the coil.



21: 2021/05522. 22: 2021/08/03. 43: 2023/11/30
 51: G06F
 71: INTERNATIONAL BUSINESS MACHINES CORPORATION
 72: RAISCH, Christoph, KRAEMER, Marco, LEHNERT, Frank, KLEIN, Matthias, BRADBURY, Jonathan, JACOBI, Christian, DRIEVER, Peter, BELMAR, Brenton

33: EP 31: 19154735.5 32: 2019-01-31
54: HANDLING AN INPUT/OUTPUT STORE INSTRUCTION

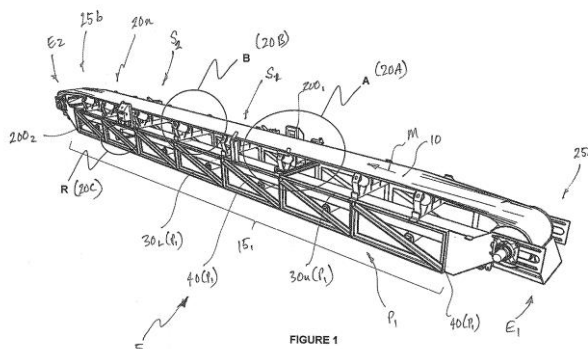
00: -
 A data processing system (210) and a method for handling an input/output store instruction (30), comprising a system nest (18) coupled to at least one input/output bus (22) by an input/output bus controller (20). The data processing system (210) further comprises at least a data processing unit (216) comprising a core (12), a system firmware (10) and an asynchronous core-nest interface (14). The data processing unit (216) is coupled to the system nest (18) via an aggregation buffer (16). The system nest (18) is configured to asynchronously load from and/or store data to at least one external device (214) which is coupled to the input/output bus (22). The data processing unit (216) is configured to complete the input/output store instruction (30) before an execution of the input/output store instruction (30) in the system nest (18) is completed. The asynchronous core-nest interface (14) comprises an input/output status array (44) with multiple input/output status buffers (24).



21: 2021/05700. 22: 2021/08/11. 43: 2023/11/16
 51: B65G

71: INNOVATIVE MINING SERVICES (AUST) PTY LTD
 72: WATERS, Darren
 33: AU 31: 2019900121 32: 2019-01-15
54: IMPROVEMENTS IN OR RELATING TO CONVEYORS

00: -
 An arrangement for use in maintaining alignment of a moving conveyor belt (10) comprising a sensing assembly arranged for sensing a position or movement of a portion or region of the belt (10); an actuator assembly having one or more actuator modules (110a, 110b) are configured operable so as to adjust or modify a position, alignment, or orientation of a portion or region of a support assembly (20A or 20C) so as to counter and/or correct an alignment of the belt (10) based on, at least in part, the sensed position or movement of the belt.



21: 2021/05718. 22: 2021/08/12. 43: 2023/12/11
 51: A61K
 71: RECKITT BENCKISER HEALTH LIMITED
 72: BROWN, Fraser William Hanson, HALL, Steven Scott, MIRFATTAHI, Rouzbeh, SON, Delphine Bérengère
 33: GB 31: 1901876.1 32: 2019-02-11
 33: GB 31: 1902257.3 32: 2019-02-19
54: NOVEL COMPOSITION

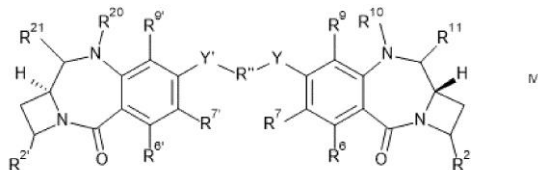
00: -
 A composition comprising a pharmaceutically active ingredient, a solubilising agent and a thixotropic agent.

21: 2021/05931. 22: 2021/08/18. 43: 2023/12/04
 51: A61K; C07D; C07K; A61P
 71: MEDIMMUNE LIMITED
 72: HOWARD, Philip Wilson, CAILLEAU, Thais
 33: GB 31: 1903541.9 32: 2019-03-15
 33: GB 31: 2000121.0 32: 2020-01-06

54: AZETIDOBENZODIAZEPINE DIMERS AND CONJUGATES COMPRISING THEM FOR USE IN THE TREATMENT OF CANCER

00: -

A compound of formula IV: as well as drug-linkers and conjugates comprising this compound, and the use of the conjugates in treating cancer.



21: 2021/06014. 22: 2021/08/20. 43: 2023/12/04
 51: A61K; C07D; A61P
 71: KRONOS BIO, INC.
 72: ANDRES, Patricia, FUNG, Peter C., GIGUERE, Pierre, LAI, Chiajen, STEWARD, Craig, TENG, Jing, TRAN, Duong D., TRANTCHEVA, Iva, YARMUCH, Brian

54: SOLID FORMS OF CONDENSED PYRAZINES AS SYK INHIBITORS

00: -

Solid forms of the compound, 6-(6-aminopyrazin-2-yl)-N-(4-(4-(oxetan-3-yl)piperazin-1-yl)phenyl)imidazo[1,2-a]pyrazin-8-amine, and solid forms of salts or co-crystals of Compound I, were prepared and characterized: (Formula I) Also provided are processes of making the solid forms and methods of use thereof.

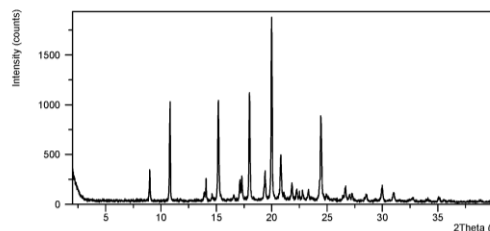
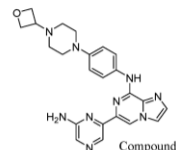


FIGURE 1



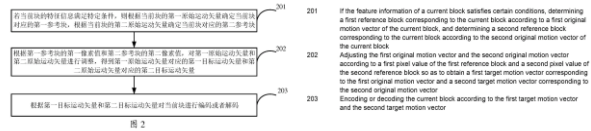
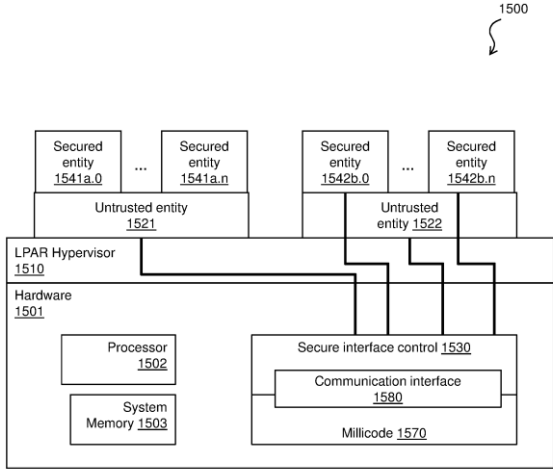
Formula 1

21: 2021/06032. 22: 2021/08/20. 43: 2023/12/04
 51: G06F
 71: INTERNATIONAL BUSINESS MACHINES CORPORATION
 72: HELLER, Lisa, BUSABA, Fadi, BRADBURY, Jonathan, BORNTRAEGER, Christian, BACHER, Utz, BUENDGEN, Reinhard
 33: US 31: 16/296,460 32: 2019-03-08

54: COMMUNICATION INTERFACE OF A SECURE INTERFACE CONTROL

00: -

A method is provided. The method is implemented by a communication interface of a secure interface control executing between the secure interface control of a computer and hardware of the computer/ In this regard, the communication interface receives an instruction and determines whether the instruction is a millicoded instruction. Further, the communication interface enters a millimode comprising enabling the secure interface control to engage millicode of the hardware through the communication interface based on the instruction being the millicoded instruction. The millicode, then, executes the instruction.

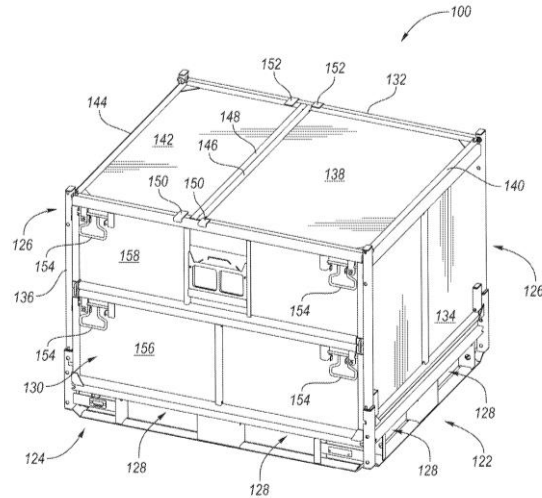


21: 2021/06161. 22: 2021/08/25. 43: 2023/11/27
 51: H04N
 71: Hangzhou Hikvision Digital Technology Co., Ltd.
 72: CHEN, Fangdong
 33: CN 31: 201910182197.8 32: 2019-03-11
54: ENCODING AND DECODING METHOD AND DEVICE, ENCODER SIDE APPARATUS AND DECODER SIDE APPARATUS

00: -
 The present application provides an encoding and decoding method and device, an encoder side apparatus and a decoder side apparatus. The method comprises: if the feature information of a current block satisfies certain conditions, determining a first reference block corresponding to the current block according to a first original motion vector of the current block, and determining a second reference block corresponding to the current block according to the second original motion vector of the current block; adjusting the first original motion vector and the second original motion vector according to a first pixel value of the first reference block and a second pixel value of the second reference block so as to obtain a first target motion vector corresponding to the first original motion vector and a second target motion vector corresponding to the second original motion vector; and encoding or decoding the current block according to the first target motion vector and the second target motion vector.

21: 2021/06301. 22: 2021/08/30. 43: 2023/12/04
 51: B65D
 71: GOODPACK IBC (SINGAPORE) PTE. LTD.
 72: ARGENTTI, Mario Cesar Barrio
 33: US 31: 62/813,369 32: 2019-03-04
54: CARGO UNIT

00: -
 Described herein are units for transportation of cargo, and methods of using them. In some embodiments, the units are collapsible, stackable cargo units. In some embodiments, the cargo units include a generally rectangular base having a front, a rear and two sides, with forklift slots on its front, rear and each side. The cargo units may further include front and rear walls extending upward from the base. The cargo units may further include first and second side walls extending upward from the base between the front and rear walls. The first side wall may have a length greater than the second side wall. The cargo units may further include an integrated lid hingedly attached to one or more of the front, rear, and side walls.



21: 2021/06318. 22: 2021/08/30. 43: 2023/12/04
 51: G06F
 71: INTERNATIONAL BUSINESS MACHINES CORPORATION
 72: BUENDGEN, Reinhard, BRADBURY, Jonathan, HELLER, Lisa

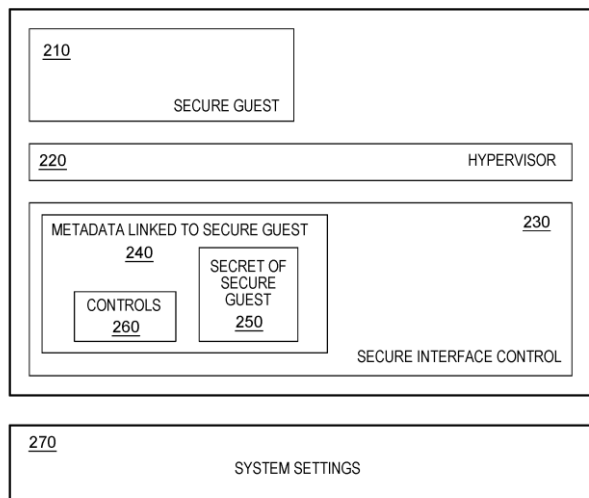
33: US 31: 16/296,498 32: 2019-03-08

54: SECURE EXECUTION GUEST OWNER ENVIRONMENTAL CONTROLS

00: -

A method, computer program product, and a system where a secure interface control determines whether an instance of a secure guest image can execute based on metadata. The secure interface control ("SC") obtains metadata linked to an image of a secure guest of an owner and managed by the hypervisor that includes control(s) that indicates whether the hypervisor is permitted to execute an instance of a secure guest generated with the image in the computing system based on system setting(s) in the computing system. The SC intercepts a command by the hypervisor to initiate the instance. The SC determines the presence or the absence of system setting(s) in the computing system. The SC determines if the hypervisor is permitted to execute the instance. If so, the SC enables initiation of the instance by the hypervisor. If not, the SC ignores the command.

200



21: 2021/06391. 22: 2021/09/01. 43: 2023/11/14

51: C12N

71: ETHRIS GMBH

72: GEIGER, JOHANNES, TREML, MARTIN

33: EP 31: 19156522.5 32: 2019-02-11

54: MRNA PURIFICATION BY TANGENTIAL FLOW FILTRATION

00: -

The present disclosure provides a method of purifying mRNA molecules comprising (Ia) purifying

precipitated mRNA molecules from a suspension comprising precipitated mRNA molecules, (Ib) washing and dissolving the purified precipitated mRNA molecules, (IIa) purifying the mRNA molecules using a solution comprising a chelating agent, followed by (IIb) washing the purified mRNA molecules, wherein steps (Ia) to (IIb) are performed using tangential flow filtration.

21: 2021/06394. 22: 2021/09/01. 43: 2023/11/14

51: F01K; F03D

71: ENERGY DOME S.P.A.

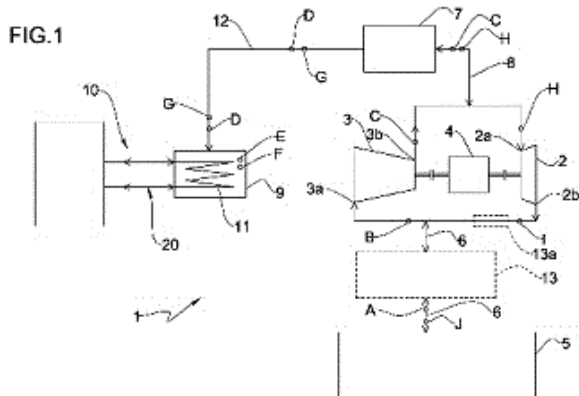
72: SPADACINI, CLAUDIO

33: IT 31: 102019000002385 32: 2019-02-19

54: ENERGY STORAGE PLANT AND PROCESS

00: -

An energy storage plant (1) comprises a casing (5) for the storage of a working fluid other than atmospheric air, in a gaseous phase and in equilibrium of pressure with the atmosphere; a tank (9) for the storage of said working fluid in a liquid or supercritical phase with a temperature close to the critical temperature; wherein said critical temperature is close to the ambient temperature. The plant (1) is configured to carry out a closed thermodynamic cyclic transformation (TTC), first in one direction in a charge configuration and then in the opposite direction in a discharge configuration, between said casing (5) and said tank (9); wherein in the charge configuration the plant (1) stores heat and pressure and in the discharge configuration generates energy.



21: 2021/06477. 22: 2021/09/03. 43: 2023/11/14

51: C09D; C08L; C08G

71: NISSHINBO CHEMICAL INC.

72: TSUKAMOTO, NAMI

33: JP 31: 2019-039955 32: 2019-03-05

54: AQUEOUS RESIN CROSSLINKING AGENT, AQUEOUS RESIN CROSSLINKING AGENT-CONTAINING LIQUID, AND AQUEOUS RESIN COMPOSITION

00: -
 Provided are: a carbodiimide-based aqueous resin crosslinking agent which, when a crosslinking agent and an aqueous resin are used in combination, has excellent storage stability and can also make a cured product of the aqueous resin have various improved physical properties such as solvent resistance or water resistance; an aqueous resin crosslinking agent-containing liquid containing the same; and an aqueous resin composition. This aqueous resin crosslinking agent contains a predetermined polycarbodiimide compound (A) having an oxyalkylene group, a predetermined polycarbodiimide compound (B), and a surfactant (C), wherein: each polycarbodiimide compound has, at both ends thereof, a structure in which an isocyanate group is blocked with a predetermined end-sealing compound; the total content of the oxyalkylene group in (A) is 15 mass% or more; the total content of the oxyalkylene group in (A) and (B) with respect to the total amount of (A) and (B) is 10 mass% or less; and the content of (C) is 0.1-20 parts by mass with respect to 100 parts by mass of the total content of (A) and (B).

21: 2021/06478. 22: 2021/09/03. 43: 2023/11/14
 51: C09D; C08L; C08G
 71: NISSHINBO CHEMICAL INC.
 72: TSUKAMOTO, NAMI
 33: JP 31: 2019-039957 32: 2019-03-05

54: CROSSLINKING AGENT FOR AQUEOUS RESIN, LIQUID CONTAINING CROSSLINKING AGENT FOR AQUEOUS RESIN, AND AQUEOUS-RESIN COMPOSITION

00: -
 Provided is a carbodiimide-based crosslinking agent for aqueous resins which improves the storage stability of an aqueous-resin composition containing both a crosslinking agent and an aqueous resin and which enables the aqueous resin to give cured objects having improved water resistance and improved solvent resistance. The crosslinking agent for aqueous resins comprises a hydrophobic polycarbodiimide compound and one or more water-soluble organic compounds, wherein the water-soluble organic compounds are one or more

substances selected from among alkylene glycol compounds, water-soluble polymers other than the alkylene glycol compounds, and surfactants which are none of the alkylene glycol compounds and the water-soluble polymers. The crosslinking agent for aqueous resins is used to prepare both a liquid containing the crosslinking agent for aqueous resins and an aqueous-resin composition.

21: 2021/06519. 22: 2021/09/06. 43: 2023/11/14
 51: C07C; C07D; A61P
 71: HISTOGEN INC.
 72: SPADA, ALFRED P, TERNANSKY, ROBERT J, MUELLER, MICHAEL
 33: US 31: 62/815,270 32: 2019-03-07

54: CASPASE INHIBITORS AND METHODS OF USE THEREOF

00: -
 Provided herein are compounds of formula (I), compositions comprising the compounds and method of treating various diseases with the compounds and compositions.

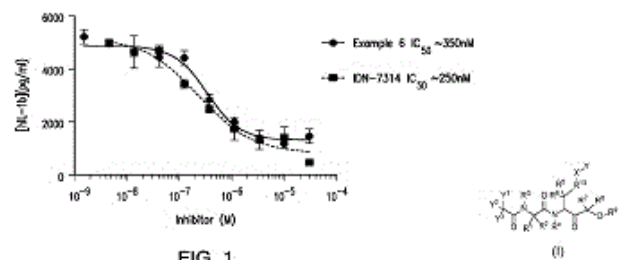


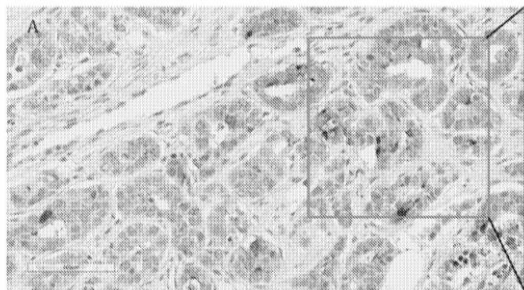
FIG. 1

21: 2021/06554. 22: 2021/09/07. 43: 2023/12/11
 51: A61K; C07K; G01N; A61P
 71: OBI PHARMA, INC.
 72: YU, Cheng-Der Tony, LAI, Ming-Tain, CHEN, I-Ju, CHEN, Yu-Jung, YANG, Ming-Chen
 33: US 31: 62/825,625 32: 2019-03-28

54: COMPANION DIAGNOSTIC ASSAY FOR GLOBO-H RELATED CANCER THERAPY FIELD

00: -
 Methods and reagents suitable for in vitro diagnostic assay comprising a qualitative immunohistochemical assay using anti-Globo H antibodies and/or binding fragments thereof are provided. The method comprises the detection of Globo-H expression levels in formalin-fixed, paraffin-embedded (FFPE) cancer tissue using a visualization system. The Globo-H expression can be determined by using

tumor scoring showing partial or complete staining at any intensity.



21: 2021/06674. 22: 2021/09/09. 43: 2023/11/14
 51: C08H; C12P; C08K; C08L
 71: LANZATECH, INC.
 72: ALLEN, WYATT, CARNEIRO, SUZANE AIME VIEIRA

33: US 31: 62/818,579 32: 2019-03-14

54: GAS FERMENTATION FOR THE PRODUCTION OF PROTEIN-BASED BIOPLASTICS

00: -
 The invention provides methods of producing protein-based bioplastics and protein-based biofilms by culturing a microorganism to produce microbial biomass. In particular, the invention relates to protein-based bioplastics and protein-based biofilms produced by fermentation of a gaseous substrate comprising one or more of CO, CO₂, and H₂, especially by a Gram-positive, anaerobic, and/or *Clostridium* microorganism.

21: 2021/06769. 22: 2021/09/13. 43: 2023/11/07
 51: A61K; C12Q; C12N; A61P
 71: ETHRIS GMBH
 72: RUDOLPH, CARSTEN, MUMMERT, VERENA, KUBISCH-DOHMEN, REBEKKA, DOHMEN, CHRISTIAN, GEIGER, JOHANNES, ANEJA, MANISH, WEISS, LUDWIG, OMRAN, HEYMUT, PENNEKAMP, PETRA, WOHLGEMUTH, KAI, CINDRIC, SANDRA, LOGES, NIKI TOMAS, RAIDT, JOHANNA, TER STEEGE, ADRIAN

33: EP 31: 19 15 7210.6 32: 2019-02-14

54: TREATMENT OF CILIOPATHIES

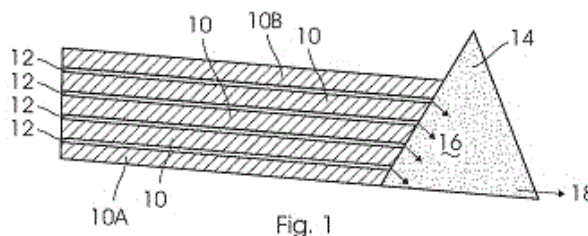
00: -
 The present disclosure provides a pharmaceutical composition comprising a polyribonucleotide for use in treating a ciliopathy in a subject suffering of a ciliopathy, wherein the polyribonucleotide encodes a functional version of a protein a defect of which is associated with said ciliopathy, and wherein

administration of said pharmaceutical composition to the respiratory system of said subject is effected when the subject shows an inflammation of the respiratory system. Further, the present disclosure relates to a method for analyzing the effect of a polyribonucleotide on ciliogenesis, wherein said polyribonucleotide encodes a protein involved in and/or required for ciliogenesis.

21: 2021/06771. 22: 2021/09/13. 43: 2023/11/07
 51: C22B
 71: ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
 72: FILMER, ANTHONY OWEN, ALEXANDER, DANIEL JOHN, SOLES, JULIAN JEREMY, NEWMAN, PHILIP DUNCAN
 33: US 31: 62/815,503 32: 2019-03-08
 33: US 31: 62/848,911 32: 2019-05-16

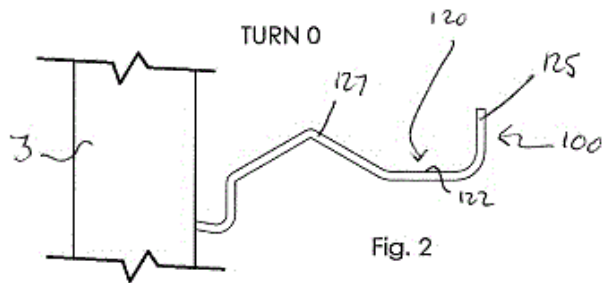
54: TAILINGS DEPOSITION

00: -
 THIS invention relates to a method of disposing of residues from the comminution and processing of ores. The method includes the steps of classifying the processing residues into a water permeable sand fraction and a tailings fraction and depositing the tailings fraction and the sand fraction to form a multilayer structure contained by at least one containment wall (14) with the sand fraction forming continuous channels (12) through the tailings fraction (10) to allow water contained in the tailings and sand to flow by gravity, through the sand channels, to water discharge points (16), and recovering the water (18) from the water discharge points.

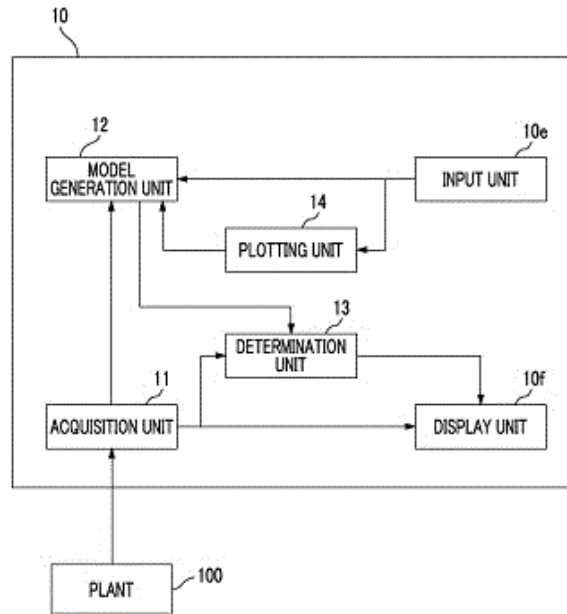


21: 2021/06773. 22: 2021/09/13. 43: 2023/11/14
 51: B03B
 71: OREKINETICS INVESTMENTS PTY LTD
 72: MCKENZIE, EZRA, GATES, PETER
 33: AU 31: 2019900497 32: 2019-02-15
54: SPIRAL SEPARATORS AND PARTS THEREFORE

00: -
 A spiral separator for separating more-desired material from less-desired material has a feed arrangement (32) for feeding a slurry of mixed more-desired material and less-desired material, a spiral trough (100), and a splitting arrangement (34) for off-take of a concentrate band of more desired material, and the spiral trough is configured to provide an effective cross-trough floor slope of less than 8 degrees to horizontal in a turn (160) immediately upstream of the splitting arrangement. The separator may be a multi-stage separator and include a slurry preparation apparatus (800) between each pair of stages.



data; and a display unit (10f) that displays a determination result by the determination unit.



21: 2021/06805. 22: 2021/09/14. 43: 2023/11/07
 51: G05B

71: SUMITOMO HEAVY INDUSTRIES, LTD.
 72: KADOWAKI, MASANORI

33: JP 31: 2019-048584 32: 2019-03-15

54: MONITORING DEVICE, DISPLAY DEVICE, MONITORING METHOD AND MONITORING PROGRAM

00: -
 There are provided a monitoring device, a display device, a monitoring method, and a monitoring program capable of determining an operation state of a plant even when a data amount of actually measured process data is limited. A monitoring device (10) includes: an input unit (10e, 11) that receives input of process data related to a plant; a model generation unit (12) that generates a model representing a relationship between the process data based on the input process data; a determination unit (13) that determines an operation state of the plant in a first determination mode using the model generated based on a forecast value of the process data input by a person or in a second determination mode using the model generated based on an actually measured value of the process

21: 2021/06906. 22: 2021/09/17. 43: 2023/11/07
 51: H02J; H02M

71: TAE TECHNOLOGIES, INC.

72: SLEPCHENKOV, MIKHAIL, NADERI, ROOZBEH

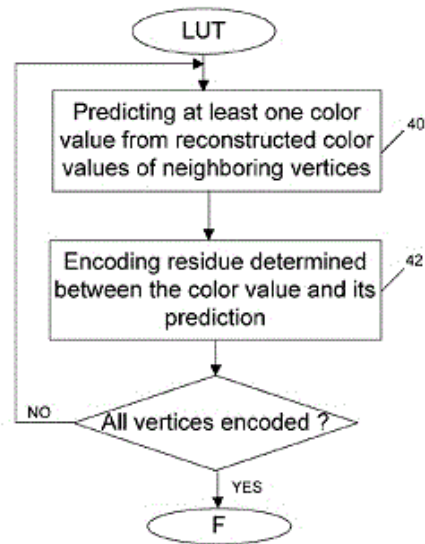
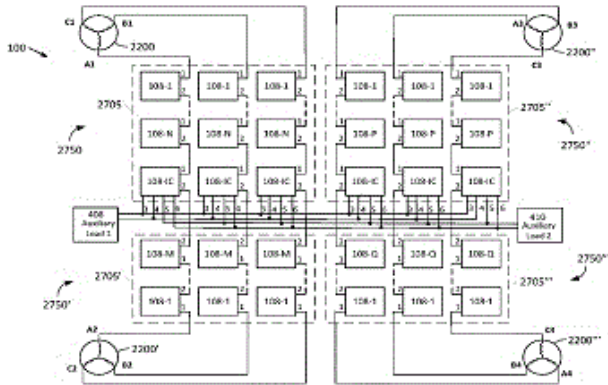
33: US 31: 62/906,007 32: 2019-09-25

33: US 31: 62/826,238 32: 2019-03-29

33: US 31: 62/826,158 32: 2019-03-29

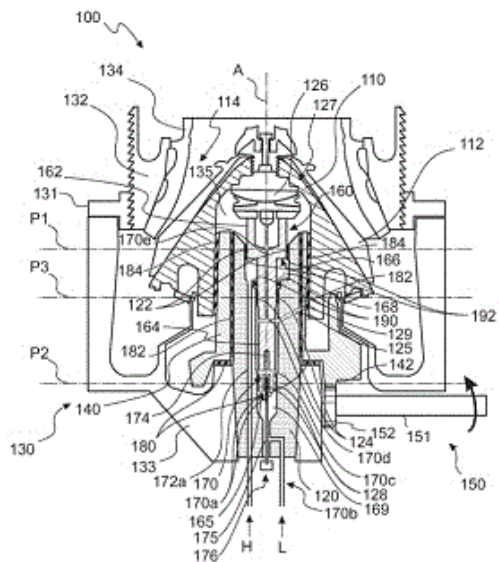
54: MODULE-BASED ENERGY SYSTEMS CAPABLE OF CASCADED AND INTERCONNECTED CONFIGURATIONS, AND METHODS RELATED THERETO

00: -
 Module-based energy systems are provided having multiple converter-source modules. The converter-source modules can each include an energy source and a converter. The systems can further include control circuitry for the modules. The modules can be arranged in various ways to provide single phase AC, multi-phase AC, and/or DC outputs. Each module can be independently monitored and controlled.



21: 2021/06976. 22: 2021/09/20. 43: 2023/11/07
 51: H04N
 71: DOLBY INTERNATIONAL AB
 72: BORDES, PHILIPPE, ANDRIVON, PIERRE, JOLLY, EMMANUEL
 33: EP 31: 13306010.3 32: 2013-07-15
 33: EP 31: 14305109.2 32: 2014-01-27
 33: EP 31: 13305453.6 32: 2013-04-08
54: METHOD FOR ENCODING AND METHOD FOR DECODING A LUT AND CORRESPONDING DEVICES
 00: -
 A method for encoding a LUT defined as a lattice of vertices is disclosed. At least one value is associated with each vertex of the lattice. The method comprises for a current vertex: predicting the at least one value associated with said current vertex from another value which is for example obtained from reconstructed values associated with neighboring vertices; and encoding in a bitstream at least one residue computed between the at least one value of the current vertex and its prediction in a bitstream.

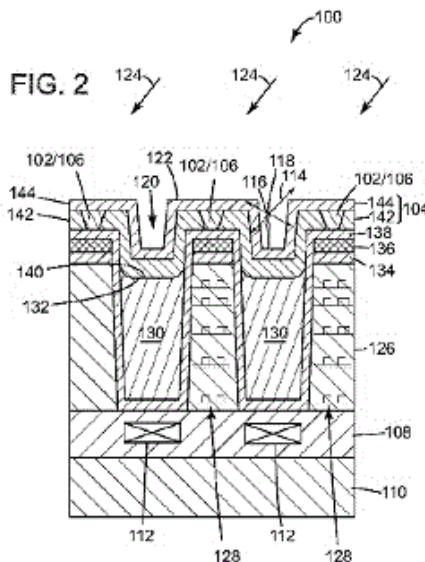
21: 2021/07045. 22: 2021/09/21. 43: 2023/11/14
 51: B02C
 71: METSO OUTOTEC FINLAND OY
 72: BOULAY, PIERRICK, PELTONEN, MIKA, BARSCVICIUS, PAULO, LAUTALA, AKI, GALLAY, NICOLAS, HOOGLAND, JONATHON, NIKLEWSKI, ANDRZEJ, DELAHAYE, MAXIME, KUVAJA, KARI
 33: US 31: 16/363,477 32: 2019-03-25
54: CONE CRUSHER
 00: -
 The disclosure relates to a cone crusher, including a supporting device being arranged inside a cavity of a main shaft of the crusher. The supporting device is arranged to support a crushing head, and to be vertically displaceable for adjusting the width of a crushing gap. The supporting device has an upper portion enclosed by the crushing head, the upper portion being arranged to provide support to the crushing head. A lower portion extends downwards within the cavity of the main shaft, wherein the upper portion and the lower portion have different outer dimensions as defined transverse to the shaft axis. A pressure-active surface is formed at a transition between the upper portion and the lower portion so as to form a variable-volume compression chamber within the cavity below said pressure-active surface.



21: 2021/07199. 22: 2021/09/27. 43: 2023/11/07
 51: H01L
 71: ILLUMINA, INC.
 72: CAI, XIUYU, AGAH, ALI, FUNG, TRACY H,
 DEHLINGER, DIETRICH
 33: US 31: 62/610,354 32: 2017-12-26
 33: NL 31: 2020615 32: 2018-03-19

54: IMAGE SENSOR STRUCTURE

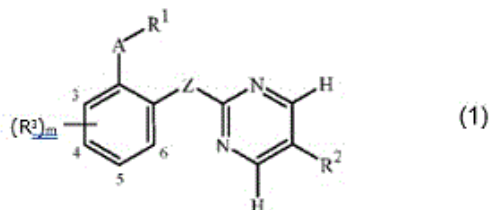
00: -
 The invention relates to a method and an image sensor structure. The image sensor structure comprises an image layer, a device stack, an array of light guides, a passivation stack and a crosstalk blocking metal structure. The image layer comprises an array of light detectors disposed therein. The device stack is disposed over the image layer. The array of light guides is disposed in the device stack, wherein each light guide is associated with at least one light detector of the array of light detectors. The passivation stack is disposed over the device stack. The crosstalk blocking metal structure is disposed in the passivation stack. The crosstalk blocking metal structure extends from at least a top surface of a layer in the passivation stack, wherein the crosstalk blocking metal structure reduces crosstalk within the passivation stack.



21: 2021/07368. 22: 2021/09/30. 43: 2023/11/14
 51: C07D; A01N
 71: FMC CORPORATION
 72: DEPRez, NICHOLAS RYAN, SHARPE, PAULA
 LOUISE, REDDY, RAVISEKHARA
 POCHIMIREDDY, DEBERGH, JOHN ROBBINS
 33: US 31: 62/171,294 32: 2015-06-05

**54: 2-(PHENYLOXY OR PHENYLTHIO)
 PYRIMIDINE DERIVATIVES AS HERBICIDES**

00: -
 Disclosed are compounds of Formula (1), including all stereoisomers, *N*-oxides, and salts thereof, wherein A, Z, R¹, R², R³ and m are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling undesired vegetation comprising contacting the undesired vegetation or its environment with an effective amount of a compound or a composition of the invention.



21: 2021/07394. 22: 2021/09/30. 43: 2023/11/14
 51: C01B; C22B
 71: ANGLO AMERICAN TECHNICAL &
 SUSTAINABILITY SERVICES LTD

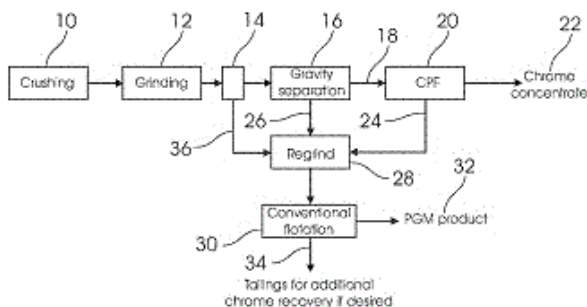
72: FILMER, ANTHONY OWEN, ALEXANDER, DANIEL JOHN

33: US 31: 62/821,463 32: 2019-03-21

54: RECOVERY OF PGMs AND CHROMITE FROM MIXED PGM/CR ORES

00: -

This invention relates to a process for the enhanced recovery of chromite and platinum group metals (PGMs) from a mixed chromite/PGM ore. Ore is ground 12, classified 14, to produce a coarse fraction and a fine fraction 36. The coarse fraction is subjected to gravity separation 16 and coarse particle flotation 20 to obtain a chrome concentrate and a PGM concentrate. The fine fraction 36 and PGM concentrate are ground 28, and subjected to conventional flotation 30 to obtain a PGM concentrate product 32. The benefits of this novel configuration of gravity concentration and coarse flotation technologies, as applied to both chromite and PGM recovery, are higher recoveries of chromite in a saleable concentrate, igher recoveries of PGMs and base metals, and lower chromite content in the PGM concentrate.



21: 2021/07594. 22: 2021/10/08. 43: 2023/11/20 51: G21G; H05H

71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

72: BERNSTEIN, Lee, BATCHELDER, Jon, MORRELL, Jonathan T., VOYLES, Andrew

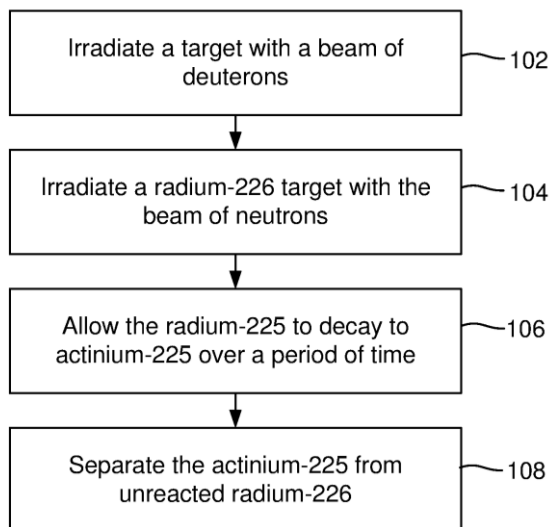
33: US 31: 62/830,687 32: 2019-04-08

54: SYSTEMS AND METHODS FOR PRODUCING ACTINIUM-225

00: -

This disclosure provides systems, methods, and apparatus related to the production of actinium-225. In one aspect, a target is irradiated with a beam of deuterons to generate a beam of neutrons. A radium-226 target is irradiated with the beam of neutrons to generate radium-225.

↖ 100



21: 2021/08103. 22: 2021/10/21. 43: 2023/11/01 51: A61K; A61Q

71: UNILEVER GLOBAL IP LIMITED

72: MOGHADAM, ARASH MOHAJER, MUSCAT, JOSEPH, RILEY, ROBERT GEORGE, STARCK, PIERRE

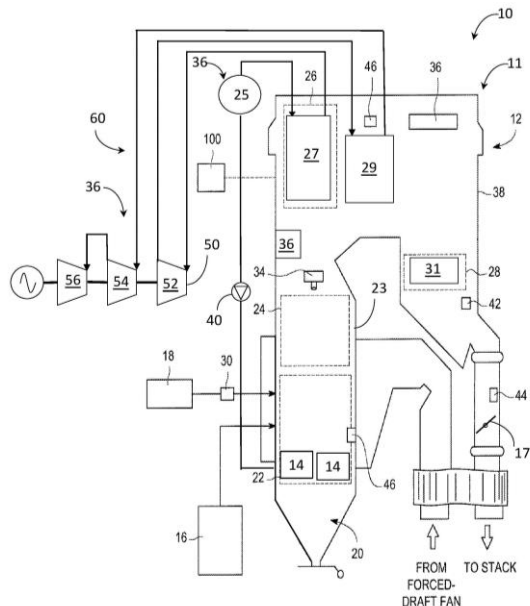
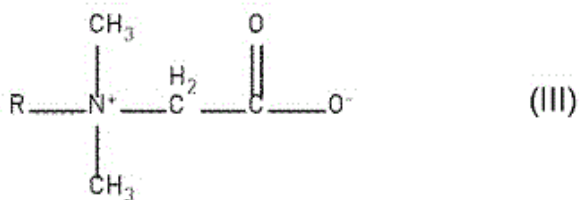
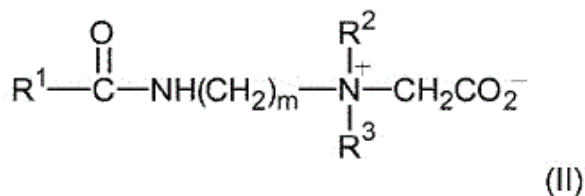
33: EP 31: 19181752.7 32: 2019-06-21

54: PERSONAL CLEANSING COMPOSITIONS

00: -

An aqueous shampoo composition comprising: - a. a pre-formed emulsified silicone; b. a cationic deposition polymer; c. a hair substantive cationic conditioning polymer which is an APTAC polymer, having a molecular weight of less than 1 million Daltons, preferably selected from a homopolymer of (3-acrylamidopropyl) trimethyl ammonium chloride and a (3-acrylamidopropyl) trimethyl ammonium chloride/acrylamide copolymer; d. from 3 to less than 12 wt %, preferably 5 to less than 10 wt %, based on total weight of the composition, of a cleansing surfactant, which has an average degree of ethoxylation of E_n, where n is a number that represents the average degree of ethoxylation and ranges from 0 to 3; e. a co-surfactant which is a betaine surfactant selected from an amido betaine amphoteric surfactant of general formula (II): (II) where m is 2 or 3; R¹C(O) is selected from linear or branched, saturated or unsaturated acyl groups having from 8 to 22 carbon atoms and mixtures

thereof; and R² and R³ are each independently selected from alkyl, hydroxyalkyl or carboxyalkyl groups having from 1 to 6 carbon atoms and mixtures thereof; and an alkyl betaine of general formula (III): (III) wherein R is a coco chain, and mixtures thereof; and f. a suspending agent. in which the weight ratio of (d) to (e) ranges from 1:1 to 4.5:1 and the pH of the composition is from 3 to 6.5; results in superior deposition and retention of silicone on hair.



21: 2021/09369. 22: 2021/11/22. 43: 2023/11/06
 51: F01K
 71: General Electric Company
 72: MAMBRO, Antonio, MILLER, William, CONGIU, Francesco, GELBAR, Danny
 33: US 31: 16/819,428 32: 2020-03-16

54: SYSTEM AND METHOD TO IMPROVE BOILER AND STEAM TURBINE START-UP TIMES

00: -
 A system for reheating a power generation system including a boiler and a mixer fluidly coupled to the boiler, a turbine first section operable to receive steam from the boiler at a first temperature. The turbine supplies steam at a second temperature to the boiler or mixer. The system also includes a first flow control valve operable to control a flow of steam through the turbine, and a sensor the sensor operable to monitor at least one operating characteristic in the boiler system. The system further includes a control unit configured to receive the monitored operating characteristic and control at least the first flow control valve, to control the amount of steam directed through the turbine.

21: 2021/10213. 22: 2021/12/09. 43: 2023/12/18
 51: C12N
 71: LUMIRADX UK LIMITED
 72: PROVINS, Jarrod, PEREZ, Victor, SHEN, Daiwei, FARINA, Anthony, KRAYNACK, Bryan
 33: US 31: 62/864,837 32: 2019-06-21
 33: GB 31: 1915346.9 32: 2019-10-23
54: IMPROVEMENTS IN OR RELATING TO NICKING ENZYMES

00: -
 Disclosed is a composition comprising a nicking enzyme and a water-soluble rubidium salt, and a method of performing a reaction catalysed by a nicking enzyme including the presence of a water-soluble rubidium salt in the reaction.

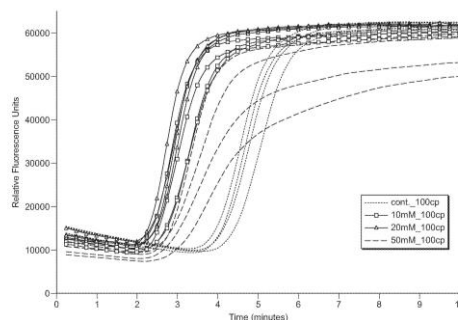


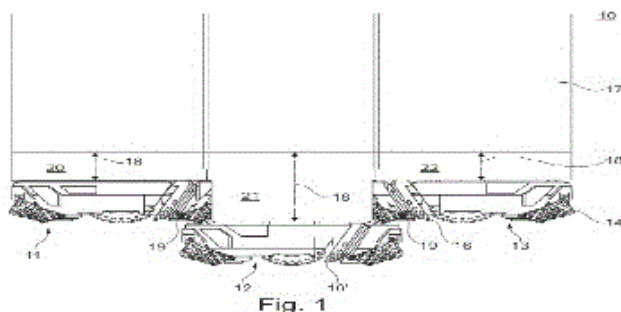
FIG. 1

21: 2021/10467. 22: 2021/12/15. 43: 2023/11/03
 51: E21C; E21D
 71: HERRENKNECHT AG
 72: FREY, ALEXANDER, SCHWAB, TILMANN

33: DE 31: 10 2021 113 072.7 32: 2021-05-20
 33: DE 31: 10 2021 132 868.3 32: 2021-12-14
 33: DE 31: 10 2020 134 073.7 32: 2020-12-17
 33: DE 31: 10 2021 112 353.4 32: 2021-05-11
 33: DE 31: 10 2021 115 228.3 32: 2021-06-11

54: DRILL HEAD FOR CREATING A BORE HOLE IN THE GROUND

00: -
 The invention relates to a drill head for making a bore in soil or rock from a starting point to a target point, preferably a production bore in a deposit or a tunnel bore, with a shield at least two, preferably at least three, driven cutting wheels on which tools are provided for loosening the soil/rock.

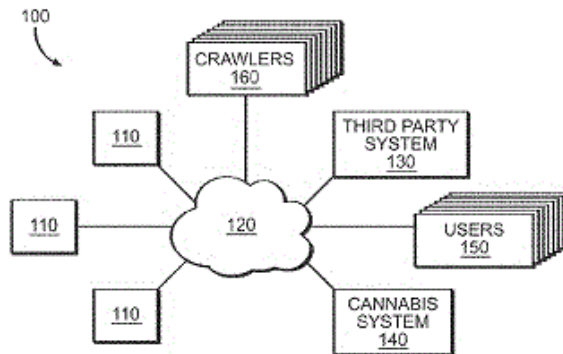


21: 2022/00909. 22: 2022/01/19. 43: 2023/11/20
 51: G06F; G06Q
 71: RANTE CORPORATION
 72: LOS, TIMOTHY, JOHNSON, JACOB
 33: US 31: 16/812,576 32: 2020-03-09

54: SYSTEM AND PROCESS FOR DETERMINING A METRIC AND PREDICTIVE ANALYSIS FOR COMPLIANCE OF CANNABIS RELATED PRODUCTS

00: -
 This invention relates to devices that track the validity of cannabis business activities. Previously, there was a need for a system that analyzes and predicts whether a cannabis related product or process may comply with regulations for any particular jurisdiction. Embodiments of the present invention use establish a database of cannabis businesses in an online platform service accessible by computing devices. A host server of the online platform sends web crawlers through an online network connected to the host server. The web crawlers retrieve online activity associated with one of the cannabis businesses in the database. A computer processor analyzes the retrieved online activity for content related to cannabis, determines whether the online activity is valid under terms of a

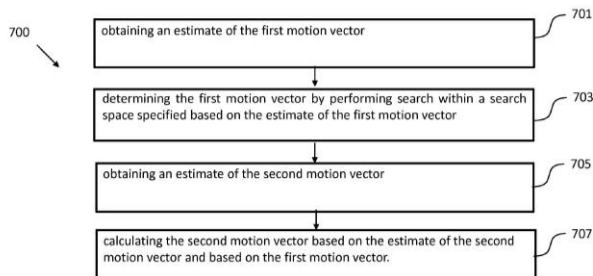
license registered for the cannabis business, and presents the determination of validity for the online activity in response to a user request for information related to the cannabis business.



21: 2022/00927. 22: 2022/01/20. 43: 2023/11/20
 51: H04N
 71: Huawei Technologies Co., Ltd.
 72: ESENLIK, Semih, KOTRA, Anand Meher, ZHAO, Zhijie

54: MOTION VECTOR REFINEMENT FOR MULTI-REFERENCE PREDICTION

00: -
 The present invention relates to the performance of motion vector refinement in a search space for multi-reference inter-prediction. Two or more reference pictures are selected, one of those used for motion vector refinement. Based on an initial estimate of a motion vector to the reference picture for motion vector refinement, a search space in this reference image is constructed. Using template matching, the first motion vector is refined. The second motion vector to another reference picture is calculated using its initial estimate, the initial estimate of the first motion vector and the refined first motion vector.



21: 2022/01024. 22: 2022/01/21. 43: 2023/11/06
 51: E02F; E21B; F15B

71: Sandvik Mining and Construction G.m.b.H.
 72: POGATSCHNIGG, Reinhold, UMUNDUM,
 Christian

54: HYDRAULIC SYSTEM, MINING MACHINE AND METHOD OF CONTROLLING HYDRAULIC ACTUATOR

00: -
 A hydraulic system, mining machine and method of controlling a hydraulic actuator. The hydraulic system (HS) is provided with a control valve (23) for controlling movement direction and speed of a hydraulic actuator (HA) connected to the system. Generated force of the hydraulic actuator is controlled independently relative to the control valve by means of counterbalance valves (Cb1, Cb2) and servo valves (Sv1, Sv2) controlling their opening pressure. The counterbalance valves and the servo valves operate as a meter-out control assembly which controls flow of hydraulic fluid discharged from working pressure spaces (16a, 16b) of the hydraulic actuator. The disclosed system may be implemented to control a mining boom (3) of a mining machine (1).

21: 2022/01084. 22: 2022/01/24. 43: 2023/11/06

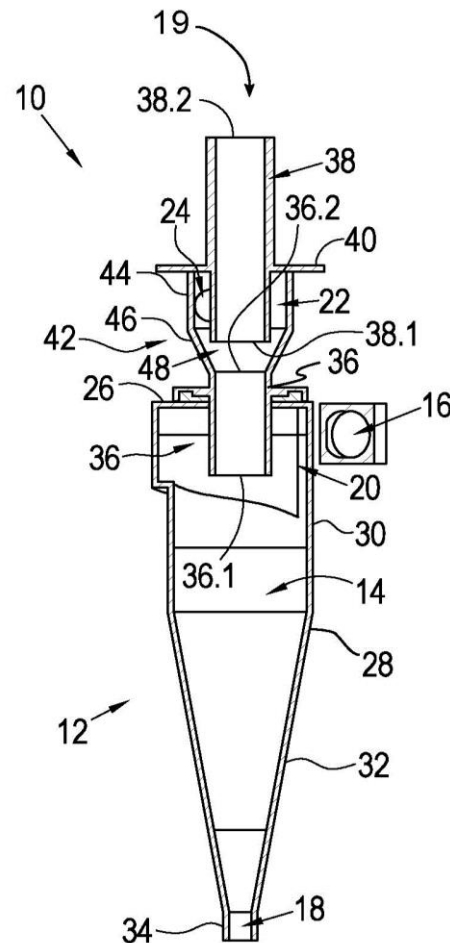
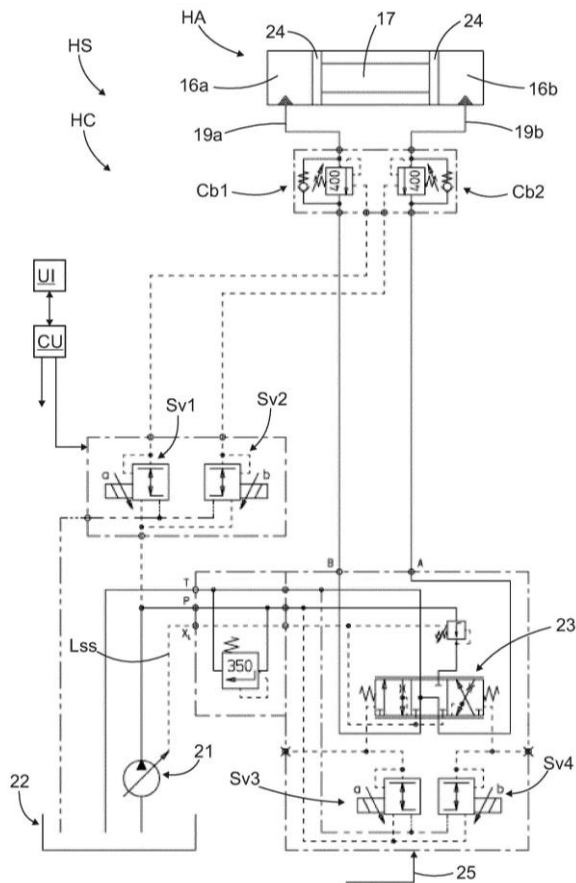
51: B04C

71: Weir Minerals Africa (Pty) Limited
 72: BANERJEE, Chandranath, CEPEDA, Eduardo,
 JOSHI, Niyam Balacharya, MURALIDHARA, Amith
 Thirumale

33: GB 31: 1912400.7 32: 2019-08-29

54: CYCLONIC SEPARATOR

00: -
 A cyclonic separator (10) comprises a separation chamber (14), a feed inlet (16) leading into the separation chamber and an underflow discharge (18) leading from the separation chamber. The cyclonic separator further comprises a vortex finder (20) which has an inlet end positioned in the separation chamber, an outlet end defining an overflow discharge, and a bleed opening (48) defined by the inlet and outlet ends of the vortex finder and through which a portion of an overflow stream can be bled from the vortex finder to remove oversized particles from the overflow stream.



21: 2022/01221. 22: 2022/01/26. 43: 2023/11/16

51: A61K; A61P; C07D

71: Dizal (Jiangsu) Pharmaceutical Co., Ltd.

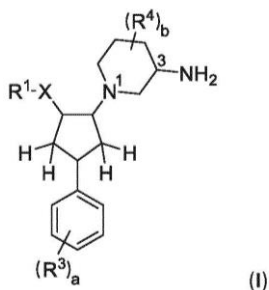
72: ZHANG, Xiaolin, PAN, Weitao, NIKITIDIS, Grigorios, LINDHAGEN, Jenny Susanna Marika

33: PCT(CN) 31: 2018/086503 32: 2018-05-11

54: CYCLOPENTANE COMPOUNDS

00: -

The present invention relates to cyclopentane compounds of Formula (I), physical forms thereof, processes for their production and their use in medicine.



21: 2022/01232. 22: 2022/01/26. 43: 2023/11/07

51: H04W

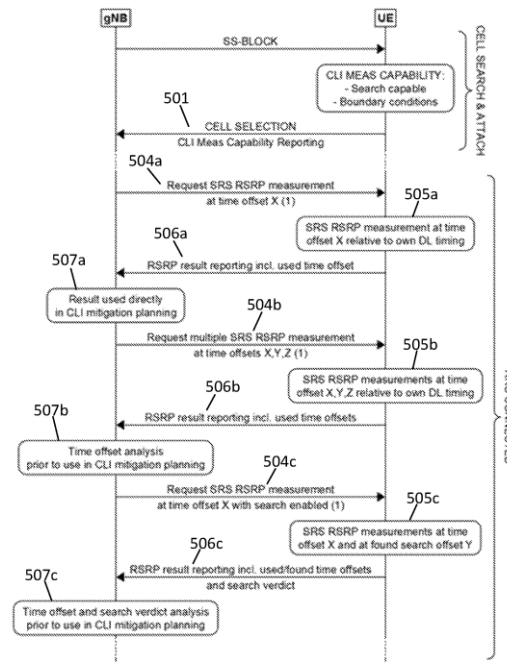
71: NOKIA TECHNOLOGIES OY

72: HARREBEK, Johannes, DU, Lei, DALSGAARD, Lars, PEDERSEN, Klaus, Ingemann, VEJLGAARD, Benny

54: CROSS LINK INTERFERENCE MEASUREMENT CONDITIONS REPORTING

00: -

Systems, methods, apparatuses, and computer program products for cross link interference (CLI) sounding reference signal (SRS) -reference signal received power (RSRP) measurement conditions reporting are provided. One method may include providing, to a serving network node, capability information indicating at least UE's capability to search for SRS timing, receiving SRS configuration in a measurement request from the serving network node, performing, by the UE, at least one SRS RSRP measurement as specified in the SRS configuration, and reporting, to the serving network node, CLI SRS RSRP measurement results.



21: 2022/01371. 22: 2022/01/28. 43: 2023/11/14

51: G02B; H01L

71: WAKS, Edo, SHAPIRO, Benjamin

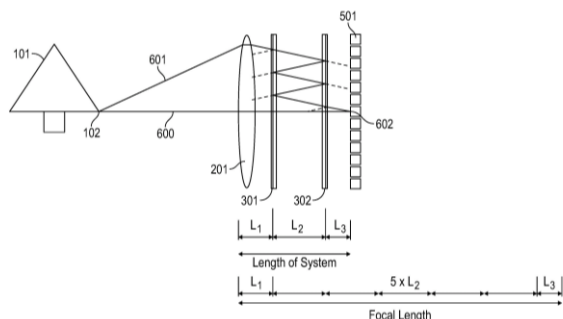
72: WAKS, Edo, SHAPIRO, Benjamin

33: US 31: 62/868,489 32: 2019-06-28

54: SYSTEMS AND METHODS FOR HIGH-MAGNIFICATION HIGH-RESOLUTION PHOTOGRAPHY USING A SMALL IMAGING SYSTEM

00: -

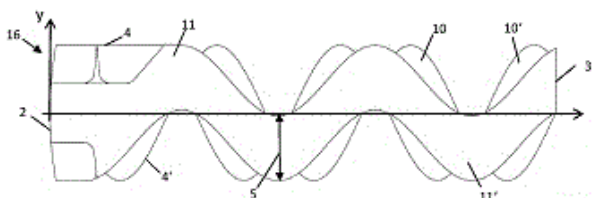
Imaging systems and methods are provided for taking high-magnification photographs confined to a small physical volume. In some embodiments the system is composed of at least one lens, one or more partially reflective elements, and a sensor. The partial reflectors reflect a portion of the light back and forth between them to allow a long path length for a portion of the light from the lens to the sensor which enables a high magnification.



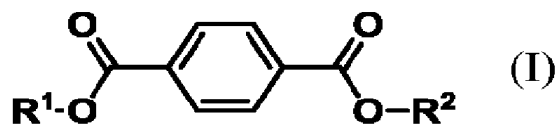
21: 2022/01446. 22: 2022/02/01. 43: 2023/12/12
 51: A61K; A61P
 71: NYMOX CORPORATION
 72: AVERBACK, Paul
 33: US 31: 16/528,390 32: 2019-07-31
54: METHODS OF TREATING MULTIFOCAL CANCER
 00: -
 The embodiments include methods of treating (preventing or reducing the incidence of) multifocal cancer by administering to a unifocal cancer focus a composition comprising a therapeutically effective amount of a therapeutically effective amount of pharmaceutically active ingredient capable of inducing necrosis of the unifocal cancer tumor, wherein administration reduces multifocal cancer incidence, multifocal cancer grade and multifocal cancer progression (worsening) in the entire organ or organism.

21: 2022/01543. 22: 2022/02/03. 43: 2023/11/14
 51: E05B
 71: EVVA SICHERHEITSTECHNOLOGIE GMBH
 72: RIESEL, MICHAEL, OBERLEITNER - LEEB, FLORIAN, BAUMHAUER, WALTER
 33: AT 31: A50406/2020 32: 2020-05-12
54: CROSS-SECTIONAL PROFILE FOR A FLAT KEY OR THE KEY CHANNEL OF A CYLINDER LOCK
 00: -
 The invention relates to a cross-sectional profile (1) for a flat key or the key channel of a cylinder lock, comprising a rear surface (2), a first lateral surface (4), and a second lateral surface (4'), wherein the lateral surfaces (4, 4') extend in a vertical orientation relative to the rear surface (2), the lateral surfaces (4, 4') are offset relative to each other by a distance (5) which optionally varies along the extension of the lateral surfaces, and the envelope of the cross-sectional profile (1) defines a preferably substantially

rectangular base profile (6). Each of the lateral surfaces (4, 4') runs at least partly along sinusoidal profiling lines (7, 7'), and the central lines (8, 8') of the profiling lines (7, 7') lie within the base profile (6). The invention additionally relates to a flat key (16) comprising such a cross-sectional profile (1) and to a cylinder lock with a key channel (13) for receiving such a flat key (16).



21: 2022/01658. 22: 2022/02/08. 43: 2023/11/02
 51: C07C; C08G; C08J
 71: 9449710 CANADA INC.
 72: ESSADDAM, Adel, ESSADDAM, Fares
 33: US 31: 15/706,484 32: 2017-09-15
54: TEREPHTHALIC ACID ESTERS FORMATION
 00: -
 The present disclosure relates to the formation of terephthalate esters of Formula (I) which are formed by the depolymerization of polyethylene terephthalate (PET) or poly(ethylene glycol-co-1,4-cyclohexanedimethanol terephthalate). The depolymerization process comprises contacting polyethylene terephthalate or poly(ethylene glycol-co-1,4-cyclohexanedimethanol terephthalate) with a solvent for swelling the polyester, an alcoholic solvent, and a sub-stoichiometric amount of an alkoxide. In the Formula (I) R¹ and R² are independently selected from the group consisting of hydrogen, C1-C6 alkyl, C1-C6 haloalkyl, C1-C6 hydroxyalkyl, optionally substituted C3-C8 cycloalkyl, optionally substituted (C1-C6 alkyl)(C3-C8 cycloalkyl), optionally substituted aryl, and optionally substituted (C1-C6 alkyl)(aryl); provided that one of R¹ or R² is not hydrogen.

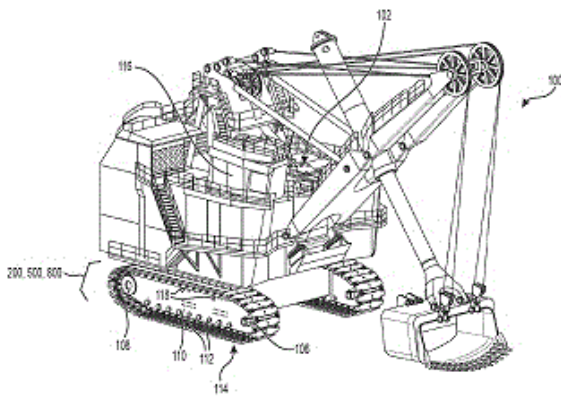


21: 2022/01711. 22: 2022/02/09. 43: 2023/11/20
 51: B62D
 71: CATERPILLAR INC.
 72: DONLAN, ZACHARY T, DUMITRU, MIRCEA
 33: US 31: 16/539,278 32: 2019-08-13

54: THREADED IDLER BLOCK CAP

00: -

A replacement kit (400) for a rotating member attachment assembly (300) includes a first thrust washer (234) defining a first thrust washer diameter (402) and a first thrust washer axial thickness (404), and a first end cap (230) defining a first end cap axial thickness (406) and including a first end cap circumferential surface (408) defining a first end cap diameter (410) that is greater than the first thrust washer diameter (402). The first end cap circumferential surface (408) includes external threads (232).



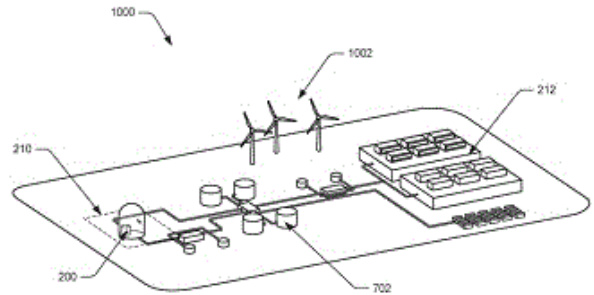
21: 2022/02039. 22: 2022/02/17. 43: 2023/11/20
 51: G21D; F28D; F01K
 71: TERRAPOWER, LLC
 72: CHEATHAM, III, JESSE R, CORBIN, ROBERT A, GILLELAND, JOHN R, HEJZLAR, PAVEL, KRAMER, KEVIN, MARTIN, CHRISTOPHER A, MORRIS, BRIAN, PETROSKI, ROBERT C, SCHLOSS, PHILIP M, WALTER, JOSHUA C, WERNER, MARK R
 33: US 31: 17/023,230 32: 2020-09-16
 33: US 31: PCT/US2020/028011 32: 2020-04-13
 33: US 31: 62/929,003 32: 2019-10-31
 33: US 31: 62/986,902 32: 2020-03-09

54: NUCLEAR THERMAL PLANT WITH LOAD-FOLLOWING POWER GENERATION

00: -

An integrated energy system includes a nuclear thermal plant situated on a nuclear site. The nuclear thermal plant produces thermal energy that is transported to a thermal energy storage system located outside the nuclear site. The thermal storage system is thermally coupled to a power generation system which is also remote to the nuclear site. By this arrangement, the nuclear thermal plant is isolated and decoupled from the power generation

system. The nuclear thermal plant may supply thermal energy upwards of 800°C or more to be stored at the thermal energy storage system until needed such as for industrial heat, power generation, or other uses. The thermal storage system is source agnostic, and one or more additional thermal energy generators, such as additional nuclear reactors, solar thermal plants, or other thermal energy generators can be coupled to a common thermal storage system and power generation system.

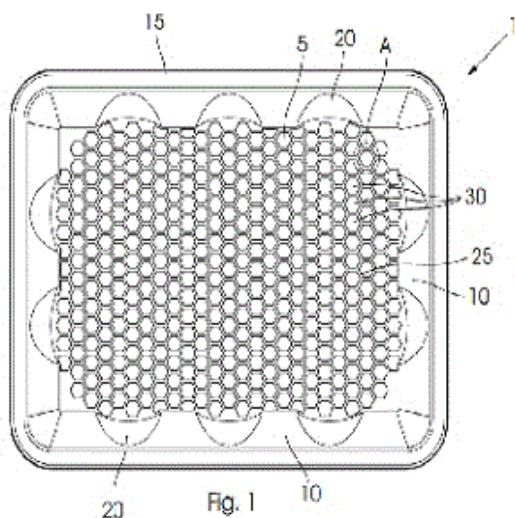


21: 2022/02222. 22: 2022/02/22. 43: 2023/11/13
 51: B65D; B29D
 71: MPACT LIMITED
 72: ALLEMANN, EDZARD FREDERICK
 33: ZA 31: 2021/01159 32: 2021-02-22

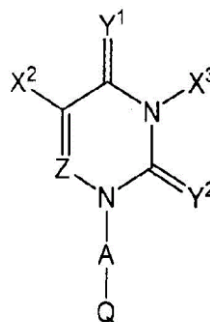
54: A CONTAINER

00: -

The invention provides a container having a base including a plurality of wells for retaining liquid by capillary action, each well having side walls and an open end and a closed end and a diameter of greater than 6mm. The invention further provides a mould for the container and a method of manufacture of the container.



or unsubstituted linear C2-6 alkenyl group or the like; A is a substituted or unsubstituted C1-6 alkylene group, a substituted or unsubstituted C2-6 alkenylene group, or the like; and Q is a substituted or unsubstituted C6-10 aryl group or a substituted or unsubstituted 5-10 membered-ring heteroaryl group.



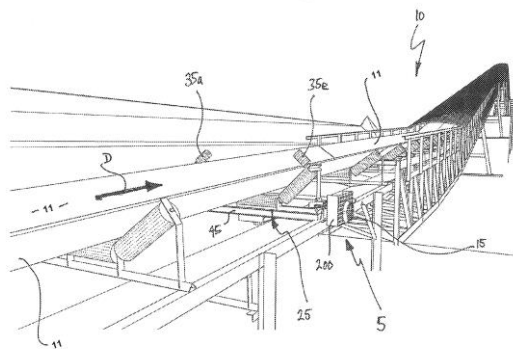
(I I)

21: 2022/02296. 22: 2022/02/23. 43: 2023/12/12
 51: A01N; C07D; C07F; A01P
 71: NIPPON SODA CO., LTD.
 72: TERANISHI, Takaaki, KUWAHARA, Raito,
 MUNEI, Yohei, SHIMOMURA, Hajime, KAWASAKI,
 Tatsuhiro, ISHIHARA, Takuma, IWATA, Jun, SAIGA,
 Tomoyuki, NISHINO, Chihiro
 33: JP 31: 2019-195484 32: 2019-10-28
 33: JP 31: 2020-053191 32: 2020-03-24
**54: 2,6-DIOXO-3,6-DIHYDROPYRIMIDINE
 COMPOUND, AGRICULTURAL AND
 HORTICULTURAL BACTERICIDE, NEMATICIDE,
 AND MEDICAL AND VETERINARY ANTIFUNGAL
 AGENT**

00: -
 The present invention addresses the problem of providing: a 2,6-dioxo-3,6-dihydropyrimidine compound which has excellent bactericidal activity, is safe, and can be industrially advantageously synthesized; and an agricultural and horticultural bactericide, nematocidal, and medical and veterinary antifungal agent containing the same as an active ingredient. The compound according to the present invention is a compound represented by formula (II) or a salt thereof. In formula (II), each Y1 is an oxygen atom or a sulfur atom; Y2 is an oxygen atom or a sulfur atom; Z is a group represented by C-X1 or a nitrogen atom; X1 is a hydrogen atom, a halogeno group, or the like; X2 is a group represented by R1O-N=CR6- or the like; R1 is a substituted or unsubstituted linear C1-6 alkyl group or the like; R6 is a substituted or unsubstituted linear C1-6 alkyl group or the like; X3 is a substituted or unsubstituted linear C1-6 alkyl group, a substituted

21: 2022/02577. 22: 2022/03/02. 43: 2023/12/04
 51: B65G
 71: INNOVATIVE MINING SERVICES (AUST) PTY LTD
 72: NORMAN, Russell, WATERS, Darren
 33: AU 31: 2019903181 32: 2019-08-30
 33: AU 31: 2020902216 32: 2020-06-30
**54: IMPROVEMENTS IN OR RELATING TO
 CONVEYORS**

00: -
 An arrangement (5) for use with a conveyor belt assembly is disclosed. In at least one embodiment, the arrangement (5) comprises a transmission assembly (8) arranged in operable association with a movable support or tracking frame assembly (25) and configured having respective means for receiving an input force and supplying an output force. The transmission assembly (8) is configured operable for transferring a received input force for supplying an output force for facilitating an adjustment of the position, alignment, or orientation of the support or tracking frame assembly (25) via an actuator interface assembly (12).



21: 2022/03108. 22: 2022/03/15. 43: 2023/11/13
51: A61K; A61P; C07D

71: THE GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, INC.

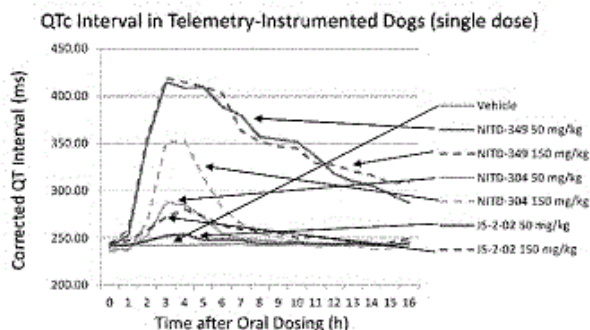
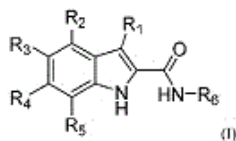
72: KANEKO, TAKUSHI, FOTOUHI, NADER

33: US 31: 62/906,424 32: 2019-09-26

54: INDOLE CARBOXAMIDE COMPOUNDS AND USE THEREOF FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS

00: -

Provided herein are compounds of Formula (I) as well as pharmaceutically acceptable salts thereof, wherein the substituents are as those disclosed in the specification. These compounds, and the pharmaceutical compositions containing them, are useful for the treatment of tuberculosis.



21: 2022/03400. 22: 2022/03/23. 43: 2023/12/12
51: B01D; G01N

71: REGENERON PHARMACEUTICALS, INC.

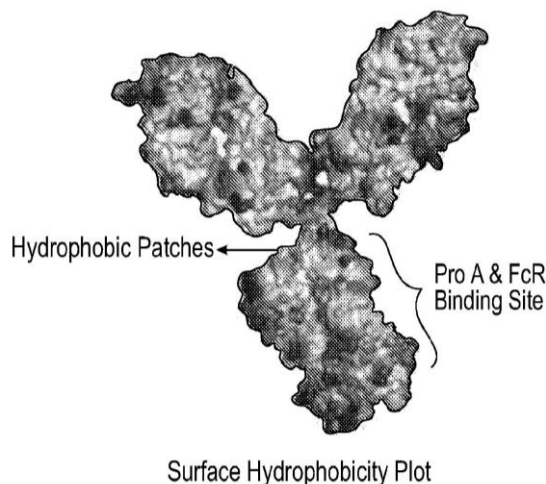
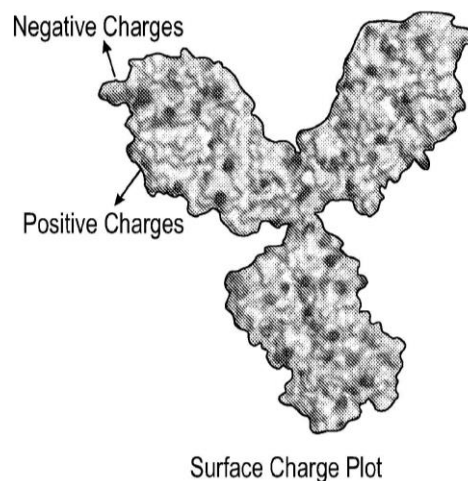
72: WANG, Shunhai, YAN, Yuetian

33: US 31: 62/907,465 32: 2019-09-27

54: HYDROPHOBIC INTERACTION CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY FOR ANTIBODY ANALYSIS

00: -

The present invention provides rapid, sensitive high-throughput methods and systems for characterizing peptides or proteins using hydrophobic interaction chromatography-coupled native mass spectrometry to improve manufacturing process of biopharmaceutical products, such as identifying impurities during antibody purification, monitoring post-translational modification variants during production, or characterizing drug-to-antibody ratio of antibody-drug conjugates. The separation profiles of the peptides or proteins are generated and compared to identify or qualify the peptides or proteins.



21: 2022/03550. 22: 2022/03/28. 43: 2023/11/07

51: B65D

71: HUHTAMAKI FOODSERVICE (SHANGHAI) LIMITED

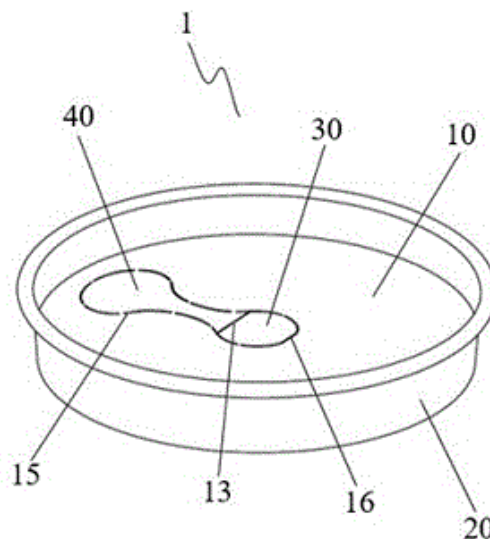
72: ZHU, YUEPING, NI, DAN

33: CN 31: 202110326224.1 32: 2021-03-26

54: CUP COVER AND CUP THEREOF

00: -

The present invention relates to the technical field of cups, and discloses a cup cover and a cup thereof, the cup cover comprising: a main cover body and a cover side wall surrounding the main cover body along the periphery of the main cover body, wherein the main cover body is in the shape of an inverted cylinder, comprising a top surface and a side wall portion, a suction hole and a direct drinking hole that are interconnected being provided on the top surface, the suction hole being covered with a first sealing portion, the direct drinking hole being covered with a second sealing portion, a dividing line being arranged between the first sealing portion and the second sealing portion; the side wall portion of the main cover body is in contact with the inner wall of the cover side wall, the bottom of the cover side wall being folded inwards to wrap the side wall portion of the main cover body; and an inwardly bulging locking bulge ring is arranged on the inner wall of the side wall portion of the main cover body. A cup cover of the present invention may, before use, prevent the food in the cup from spilling or being contaminated, and is conveniently openable for use; it allows drinking with a drinking straw through the suction hole or direct drinking through the direct drinking hole, providing a simple structure and ease of use.



21: 2022/03622. 22: 2022/03/29. 43: 2023/11/13

51: C07K; C12N; A61K; A61P

71: AKESO BIOPHARMA, INC

72: ZHANG, PENG, LI, BAIYONG, XIA, YU, WANG, ZHONGMIN

33: CN 31: 201910835819.2 32: 2019-09-03

33: CN 31: 201910836601.9 32: 2019-09-03

54: ANTI-CD47 MONOCLONAL ANTIBODY AND USE THEREOF

00: -

Provided are an anti-CD47 monoclonal antibody and a use thereof, secreted by the hybridoma cell line with the deposit number CCTCC NO: C2018135.

21: 2022/03624. 22: 2022/03/29. 43: 2023/11/13

51: C02F; B01D; B01F

71: 77 VISION WAY LTD

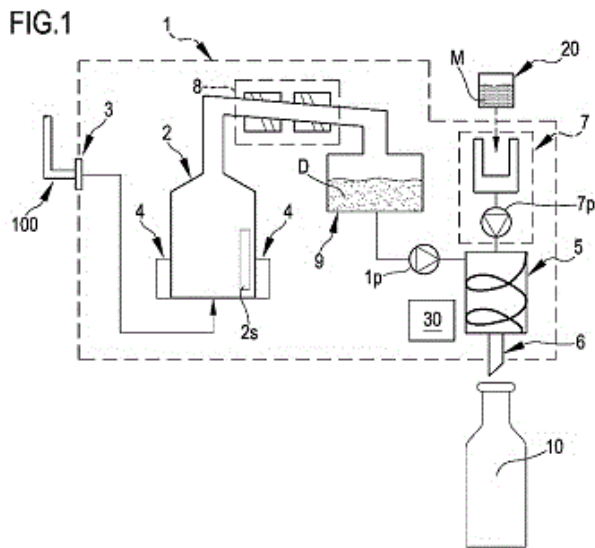
72: GAZZELLI, MAURO, COZZI, ALBERTO

54: DEVICE FOR DISTRIBUTING MINERALIZED WATER AND ASSOCIATED METHOD

00: -

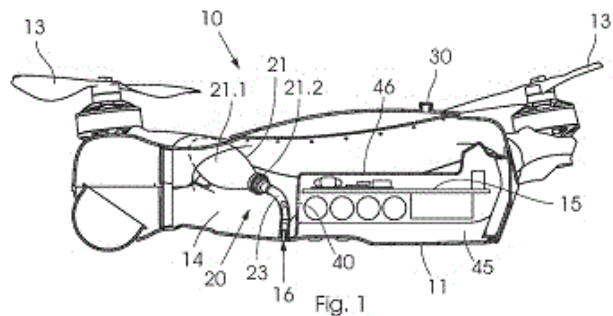
A device (1) for distributing mineralized water, said device comprising: - an inlet (3), for loading water from an external source (100); - a distillation unit (2), connected to the inlet (3) and configured to provide a distillation of an amount of water at least partially through heating, wherein said distillation unit (2) in turn comprises, or is operatively connected to, at least an heater (4) configured for providing heat in an amount sufficient to heat the amount of water at least up to a boiling temperature; - a water distributor (5) configured for transferring a predetermined amount of distilled water (D) extracted from the distillation unit (2), to a removable container (10), the

water distributor (5) being provided with an outlet nozzle or aperture (6) configured to face in use on said container (10); - a mineralization unit (7) interposed between the distillation unit (2) and the outlet nozzle or aperture (6), said mineralization unit (7) being configured for accessing the inner cavity of a disposable capsule (20), containing a mineralized fluid solution or powder (M) in said cavity, for extracting at least part of said mineralized fluid solution or powder (M) from the capsule (20) and/or being configured for emptying the capsule (20) from the mineralized fluid solution or powder (M), and transferring at least part of the mineralized fluid solution or powder (M) from the capsule (20) to the water distributor (5); - the device, optionally through the water distributor (5), being configured to mix the mineralized fluid solution or powder (M) with the predetermined amount of distilled water (D) transferred by the water distributor (5) to the removable container (10).

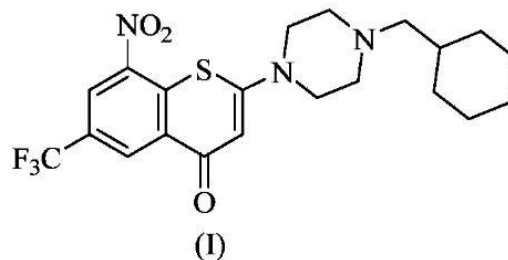
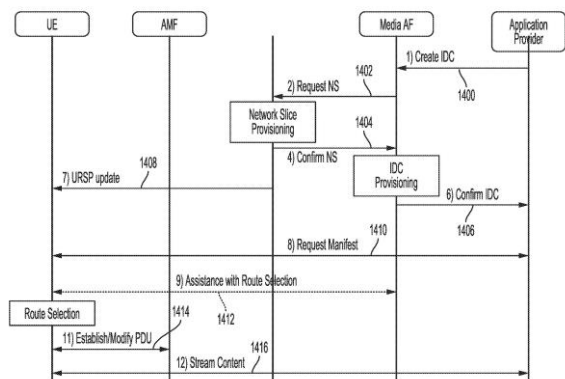


21: 2022/03625. 22: 2022/03/29. 43: 2023/11/13
 51: B64C
 71: VENTER, JACQUES
 72: VENTER, JACQUES
 33: ZA 31: 2019/05854 32: 2019-09-05
54: DRONE
 00: -
 This invention relates to a drone, and more particularly but not exclusively to a waterproof drone. The drone includes a chamber having an internal volume, an opening extending through a wall of the chamber and configured to bring the internal volume

in flow communication with ambient conditions outside the chamber; and a sealing member for sealing off the opening. The sealing member is flexible and water impermeable, and is adapted to be resiliently deformed when a pressure differential develops between the internal volume of the chamber and the ambient conditions outside the chamber, in order to aid in equalizing the pressure differential between the internal volume and ambient conditions outside of the drone.



21: 2022/03633. 22: 2022/03/29. 43: 2023/11/08
 51: H04W
 71: QUALCOMM Incorporated
 72: BOUAZIZI, Imed, STOCKHAMMER, Thomas
 33: US 31: 62/912,335 32: 2019-10-08
54: SYSTEM AND APPARATUS FOR PROVIDING NETWORK ASSISTANCE FOR TRAFFIC HANDLING IN DOWNLINK STREAMING
 00: -
 Methods, systems, and devices are provided for streaming service in a fifth generation (5G) system (5GS) network. Various embodiments may provide for selecting appropriate network slices for provisioning media content and streaming service over the network. Desired network slice features may be indicated that correspond to service information.

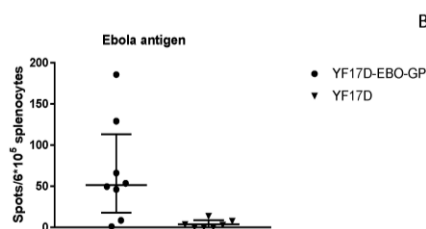


21: 2022/03673. 22: 2022/03/30. 43: 2023/11/28
 51: A61K; C07D; A61P
 71: INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCES
 72: Ma Chen, LI, Gang, HUANG, Haihong, LI, Peng, LI, Yan, ZHANG, Tingting, WANG, Baolian
 33: CN 31: 201910849215.3 32: 2019-09-09
54: SALT OF BENZOTHIOPYRONE COMPOUND, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
 00: -

The present invention relates to the technical field of medicine, and provides a salt of a benzothiopyrone compound, and a preparation method therefor and an application thereof, in particular, a salt of 2-(4-(cyclohexylmethyl)piperazin-1-yl)-6-(trifluoromethyl)-8-nitro-benzothiopyran-4-one as represented by formula (I), a preparation method therefor, a pharmaceutical composition thereof, and an application thereof in preparation of a drug for treating and/or preventing an infectious disease caused by Mycobacterium tuberculosis. The present invention aims to prepare a salt of 2-(4-(cyclohexylmethyl)piperazin-1-yl)-6-(trifluoromethyl)-8-nitro-benzothiopyran-4-one having significantly improved pharmacokinetic properties and physicochemical properties and having strong anti-Mycobacterium tuberculosis activity in vivo and in vitro; as a potential novel drug, the salt can be used for treatment or preventive treatment of an infectious disease caused by bacteria, particularly tuberculosis (TB) caused by Mycobacterium tuberculosis, and can also be used for overcoming a problem related to drug resistance of Mycobacterium tuberculosis.

21: 2022/03731. 22: 2022/03/31. 43: 2023/11/02
 51: A61K; A61P
 71: KATHOLIEKE UNIVERSITEIT LEUVEN
 72: DALLMEIER, Kai, SANCHEZ FELIPE, Lorena, LEMMENS, Viktor, NEYTS, Johan
 33: EP 31: 19197322.1 32: 2019-09-13
54: CHIMERIC FILOVIRUS VACCINES
 00: -

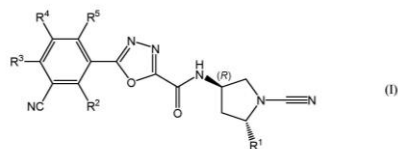
The present invention relates to polynucleotides comprising a sequence of a live, infectious, attenuated Flavivirus wherein a nucleotide sequence encoding at least a part of a Flavivirus glycoprotein is located at the intergenic region between the E and NS1 gene of said Flavivirus, such that a chimeric virus is expressed, characterised in that the encoded sequence C terminally of the E protein of said Flavivirus and N terminally of the signal peptide of the NS1 protein of said Flavivirus comprises in the following order : a further signal peptide of a Flavivirus NS1 protein, a filovirus glycoprotein wherein the N terminal signal peptide is absent, a TM domain of a flaviviral E protein.



21: 2022/03775. 22: 2022/04/01. 43: 2023/11/08
 51: A61K; A61P; C07D
 71: Mission Therapeutics Limited
 72: THOMPSON, Paul William, LUCKHURST, Christopher Andrew, KEMP, Mark Ian
 33: GB 31: 1912674.7 32: 2019-09-04
54: SUBSTITUTED CYANOPYRROLIDINES WITH ACTIVITY AS USP30 INHIBITORS
 00: -

The present invention relates to a class of substituted-cyanopyrrolidines with activity as

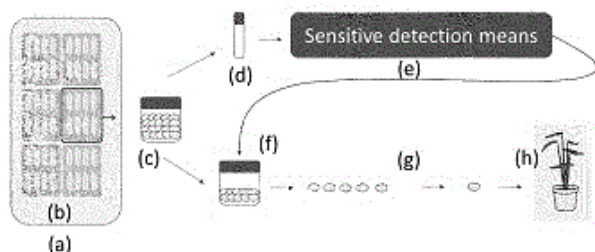
inhibitors of the deubiquitylating enzyme USP30, having utility in a variety of therapeutic areas, including conditions involving mitochondrial dysfunction, cancer and fibrosis: (I).



21: 2022/03866. 22: 2022/04/05. 43: 2023/11/13
 51: A01H
 71: CARLSBERG A/S
 72: SKADHAUGE, BIRGITTE, KNUDSEN, SØREN, HAMBRAEUS, GUSTAV, WENDT, TONI, RASMUSSEN, MAGNUS, THULIN ØSTERBERG, JEPPE

33: EP 31: 19202380.2 32: 2019-10-10
54: METHODS FOR PREPARING MUTANT PLANTS

00: -
 The present invention provides methods of preparing plants, with specific predetermined mutation(s) in one or more NOI(s). The specific predetermined mutation(s) preferably may result in the identification of plants having desired traits.

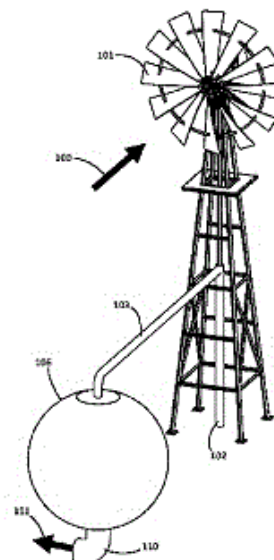


21: 2022/03869. 22: 2022/04/05. 43: 2023/11/13
 51: F03B; G05F; H02J
 71: LONE GULL HOLDINGS, LTD.
 72: THORSON, IVAR LEE, SHELDON-COULSON, GARTH ALEXANDER, MOFFAT, BRIAN LEE, PLACE, DANIEL WILLIAM

33: US 31: 63/004,299 32: 2020-04-02
 33: US 31: 63/087,387 32: 2020-10-05
 33: US 31: 62/911,932 32: 2019-10-07
54: RESERVOIR-REGULATING DIGITAL LOAD CONTROL

00: -
 Disclosed is an apparatus that adapts the rate of its computational work to match the availability of

energy harvested from a stochastic energy source; and, with respect to some types of energy harvesting, regulates the rate of energy capture, the rate of energy conversion, and the rate of consumption of stored potential energy, through its alteration, regulation, and/or adjustment, of that same computational work load.

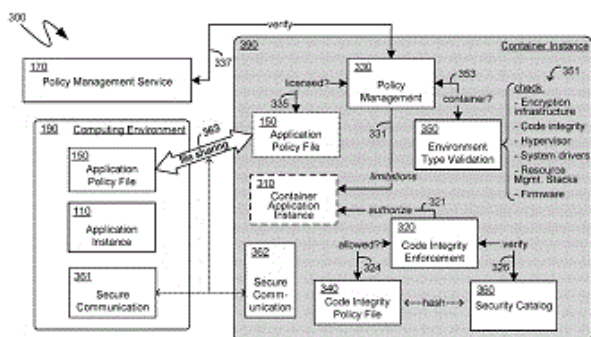


21: 2022/03870. 22: 2022/04/05. 43: 2023/11/13
 51: G06F
 71: MICROSOFT TECHNOLOGY LICENSING, LLC
 72: SUGANDHI, TUSHAR SURESH, GUO, AMBER TIANQI, BALASUBRAMANYAN, BALAJI, SINGH, ABHIJAT, KARADEMIR, AHMED SARUHAN, SCHULTZ, BENJAMIN M, PULAPAKA, HARI R, SHUBHAM, GUPTA, THOMAS, CHASE, RAMIREZ, CARLOS ERNESTO PEZA

33: US 31: 16/672,429 32: 2019-11-01
54: VIRTUAL ENVIRONMENT TYPE VALIDATION FOR POLICY ENFORCEMENT

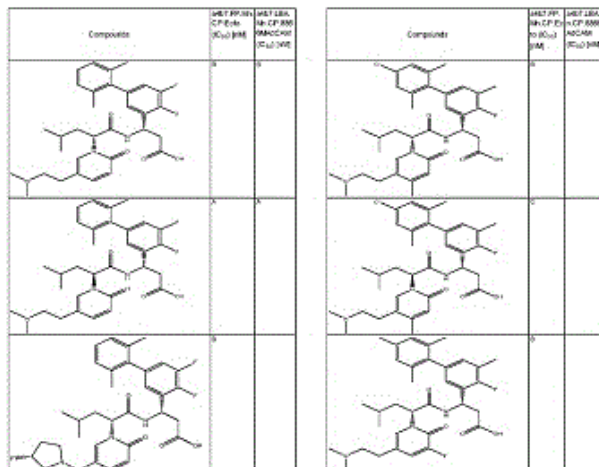
00: -
 Environment type validation can provide a tamper-resistant validation of the computing environment within which the environment type validation is being performed. Such information can then be utilized to perform policy management, which can include omitting verifications in order to facilitate the sharing of policy, such as application licenses, from a host computing environment into a container virtual computing environment. The environment type validation can perform multiple checks, including verification of the encryption infrastructure of the computing environment, verification of code integrity

mechanisms of that computing environment, checks for the presence of functionality evidencing a hypervisor, checks for the presence or absence of predetermined system drivers, or other like operating system components or functionality, checks for the activation or deactivation of resource management stacks, and checks for the presence or absence of predetermined values in firmware.



21: 2022/03872. 22: 2022/04/05. 43: 2023/11/13
 51: A61K; C07D
 71: MORPHIC THERAPEUTIC, INC.
 72: BURSAVICH, MATTHEW G, CUI, DAN, DOWLING, JAMES E, HAHN, KRISTOPHER N, HARRISON, BRYCE A, LIN, FU-YANG, LIPPA, BLAISE S, ROGERS, BRUCE N, TROAST, DAWN M, ZHONG, CHENG, KONZE, KYLE D, GERASYUTO, ALEKSEY I, KIM, BYUNGCHAN, RAFI, SALMA, DAY, TYLER, HICKEY, EUGENE, HOANG, EVELYNE, ZAHLER, ROBERT
 33: US 31: 62/916,062 32: 2019-10-16
54: INHIBITING HUMAN INTEGRIN ALPHA4BETA7

00: -
 Disclosed are small molecule antagonists of human $\alpha_4\beta_7$ integrin, and methods of using them to treat a number of diseases and conditions.



21: 2022/03983. 22: 2022/04/07. 43: 2023/11/07
 51: G01N; G06K
 71: S.D. Sight Diagnostics Ltd
 72: PECKER, Sharon, ESHEL, Yochay Shlomo, ZAIT, Amir, GLUCK, Dan, YORAV-RAPHAEL, Noam, HOURI YAFIN, Arnon, LEVY SCHREIER, Sarah, POLLAK, Joseph Joel, LEVNER, Daniel, HALPERIN, Yonatan, LEZMY, Natalie, WEISS, Itamar
 33: US 31: 62/924,229 32: 2019-10-22
54: ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS

00: -
 Apparatus and methods are described including placing at least a portion of a blood sample within a sample chamber (52), and acquiring microscopic images of the portion of the blood sample. Candidates of a given entity within the blood sample are identified, within the microscopic image. At least some of the candidates as being the given entity are validated, by performing further analysis of the candidates. A count of the candidates of the given entity is compared to a count of the validated candidates of the given entity, and at least the portion of the sample is invalidated from being used for performing at least some measurements upon the sample, at least partially based upon a relationship between the count of candidates and the count of validated candidates. Other applications are also described.

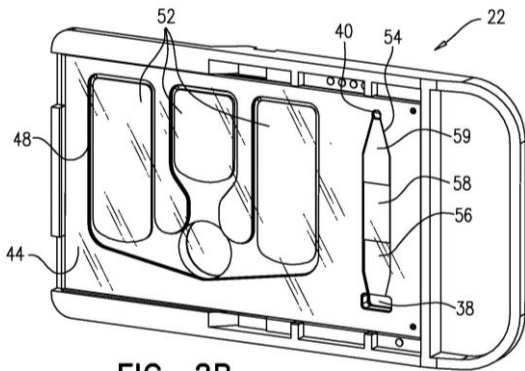


FIG. 2B

21: 2022/04070. 22: 2022/04/11. 43: 2023/12/18
51: F28D; H01M

71: AVL LIST GMBH

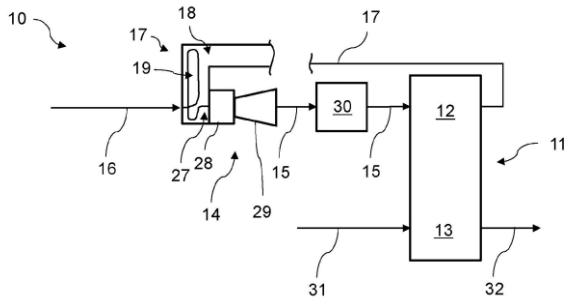
72: NEUBAUER, Raphael, SOUKUP, Nikolaus, LERCH, Matthias, PÖSCHL, Robert, MAKINSON, Julian

33: AT 31: A51078/2019 32: 2019-12-09

54: FUEL CELL SYSTEM

00: -

The invention relates to a fuel cell system (10) comprising at least one fuel cell stack (11) having an anode section (12) and a cathode section (13), an ejector (14), a fuel mixture line (15) for conveying a fuel mixture - containing primary fuel and secondary fuel - from the ejector (14) to the anode section (12), a primary fuel line (16) for supplying the primary fuel to the ejector (14), and a recirculation line (17) for returning the secondary fuel from the anode section (12) to the ejector (14), wherein at least sections of the primary fuel line (16) extend through a heat exchange volume (18) within the recirculation line (17) for a heat-transmitting connection between the secondary fuel and the primary fuel.



21: 2022/04176. 22: 2022/04/13. 43: 2023/11/13

51: G10L

71: DOLBY INTERNATIONAL AB

72: KORDON, SVEN, KRUEGER, ALEXANDER

33: EP 31: 15306589.1 32: 2015-10-08

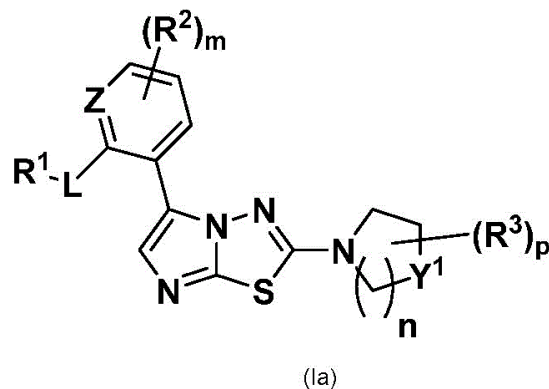
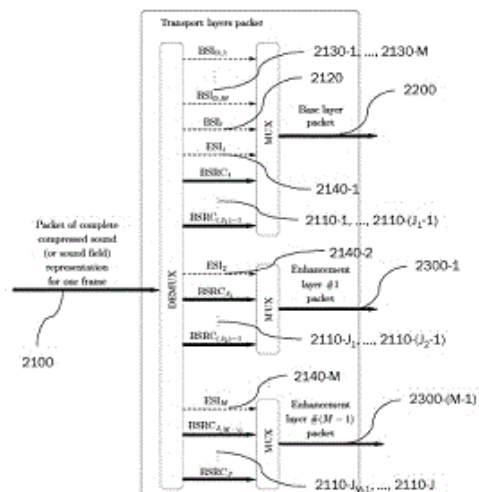
33: EP 31: 15306653.5 32: 2015-10-15

33: US 31: 62/361,416 32: 2016-07-12

54: LAYERED CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS

00: -

The present document relates to a method of layered encoding of a compressed sound representation of a sound or sound field. The compressed sound representation comprises a basic compressed sound representation comprising a plurality of components, basic side information for decoding the basic compressed sound representation to a basic reconstructed sound representation of the sound or sound field, and enhancement side information including parameters for improving the basic reconstructed sound representation. The method comprises sub-dividing the plurality of components into a plurality of groups of components and assigning each of the plurality of groups to a respective one of a plurality of hierarchical layers, the number of groups corresponding to the number of layers, and the plurality of layers including a base layer and one or more hierarchical enhancement layers, adding the basic side information to the base layer, and determining a plurality of portions of enhancement side information from the enhancement side information and assigning each of the plurality of portions of enhancement side information to a respective one of the plurality of layers, wherein each portion of enhancement side information includes parameters for improving a reconstructed sound representation obtainable from data included in the respective layer and any layers lower than the respective layer. The document further relates to a method of decoding a compressed sound representation of a sound or sound field, wherein the compressed sound representation is encoded in a plurality of hierarchical layers that include a base layer and one or more hierarchical enhancement layers, as well as to an encoder and a decoder for layered coding of a compressed sound representation.



21: 2022/04251. 22: 2022/04/14. 43: 2023/12/12
 51: A61K; C07D; A61P
 71: NOVARTIS AG
 72: KORDIKOWSKI, Andreas, YOKOKAWA, Fumiaki, BLAQUIERE, Nicole, Alice, HUANG, Richard, Yichong, KIRrane, Thomas, Martin, Jr., MATA, Anne-Catherine, SARKO, Christopher, Ronald, TAFT, Benjamin, Robert, WALDRON, Grace, Lamprecht, ZHU, Tingying
 33: US 31: 62/923,915 32: 2019-10-21
54: COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF PARASITIC DISEASES
 00: -

Provided herein are a compound of formula (Ia) or a pharmaceutically acceptable salt thereof; a method for manufacturing the compounds of the invention, solid forms, combinations of pharmacologically active agents, pharmaceutical compositions and methods of using such compounds and solid forms thereof to treat or prevent parasitic diseases, for example malaria.

21: 2022/04282. 22: 2022/04/14. 43: 2023/12/04
 51: A61K; A61P
 71: SUN PHARMACEUTICAL INDUSTRIES LIMITED

72: JOSHI, Jaydip, THUMMAR, Rakesh, AGRAWAL, Sudeep, BHOWMICK, Subhas Balam, YADAV, Arunkumar, THENNATI, Rajamannar
 33: IN 31: 201921043355 32: 2019-10-24
54: A STABLE PARENTERAL DOSAGE FORM OF CETRORELIX ACETATE

00: -
 The present invention relates to a stable parenteral dosage form with a ready-to-inject sterile stable aqueous solution of cetrorelix acetate. The invention also relates to an injection device prefilled with the ready-to-inject sterile stable aqueous solution of cetrorelix acetate. The present invention relates a method of inhibiting premature luteinizing hormone surges in women undergoing controlled ovarian stimulation comprising a stable parenteral dosage form with a ready-to-inject sterile stable aqueous solution of cetrorelix acetate.

21: 2022/04449. 22: 2022/04/20. 43: 2023/12/07
 51: G01B; G06T
 71: ILLUMINA, INC.

72: LANGLOIS, Robert Ezra, YOUNG, Andrew James, HEIBERG, Andrew Dodge, LU, Bo
 33: US 31: 62/924,130 32: 2019-10-21
 33: US 31: 62/924,138 32: 2019-10-21
 33: US 31: 17/075,694 32: 2020-10-21
 33: US 31: 17/075,692 32: 2020-10-21
54: INCREASED CALCULATION EFFICIENCY FOR STRUCTURED ILLUMINATION MICROSCOPY

00: -
 The technology disclosed relates to structured illumination microscopy (SIM). In particular, the

technology disclosed relate to capturing and processing, in real time, numerous image tiles across a large image plane, dividing them into subtiles, efficiently processing the subtiles, and producing enhanced resolution images from the subtiles. The enhanced resolution images can be combined into enhanced images and can be used in subsequent analysis steps. The technology disclosed includes logic to reduce computing resources required to produce an enhanced resolution image from structured illumination of a target. A method is described for producing an enhanced resolution image from images of a target captured under structured illumination. This method applies one or more transformations to non-redundant data and then recovers redundant data from the non-redundant data after the transformations.

33: FR 31: FR1914992 32: 2019-12-19
54: PROCESS FOR OBTAINING A PURIFIED DIESTER EFFLUENT BY DEPOLYMERIZATION OF A POLYESTER COMPRISING OPAQUE POLYETHYLENE TEREPHTHALATE

00: -
 The present invention relates to a process for depolymerizing a polyester feedstock comprising opaque PET, which comprises: a) a conditioning step; b) a step of glycolysis, operated at between 180 and 400°C, a residence time of from 0.1 to 10 h in the presence of diol; c) a diol separation step, at a temperature of between 100 and 250°C, a pressure lower than that of step b) and producing a diol effluent and an effluent rich in monomers; d) a step of separating into a heavy impurities effluent and a prepurified monomers effluent, at a temperature of less than 250°C and a pressure of less than 0.001 MPa and a residence time of less than 10 min; e) a step of decolourizing the prepurified monomers effluent, by adsorption of a mixture comprising between 20% and 90% by weight of the prepurified monomers effluent and a solvent, at a temperature of between 100 and 200°C, a pressure of between 0.1 and 1.0 MPa and in the presence of at least one adsorbent.

21: 2022/04616. 22: 2022/04/25. 43: 2023/11/03
 51: B60P; B62D
 71: CATERPILLAR INC.
 72: CHAPAGAIN, PRADEEP, MORGE, RYAN P
 33: US 31: 16/663,551 32: 2019-10-25

54: ROCKER SUPPORT INSERT

00: -
 A rocker support insert (2750) for a support rocker (274) comprises a support plate (2752) configured to be removably coupled to a top portion of a rocker body (2740); and a support padding (2756) fixedly coupled to a top surface of the support plate (2752) such that a portion of the top surface of the support plate (2752) remains exposed. A top surface of the support padding (2756) can define a concave upward-facing contact surface (275), and the support padding (2756) can be thicker than the support plate (2752).

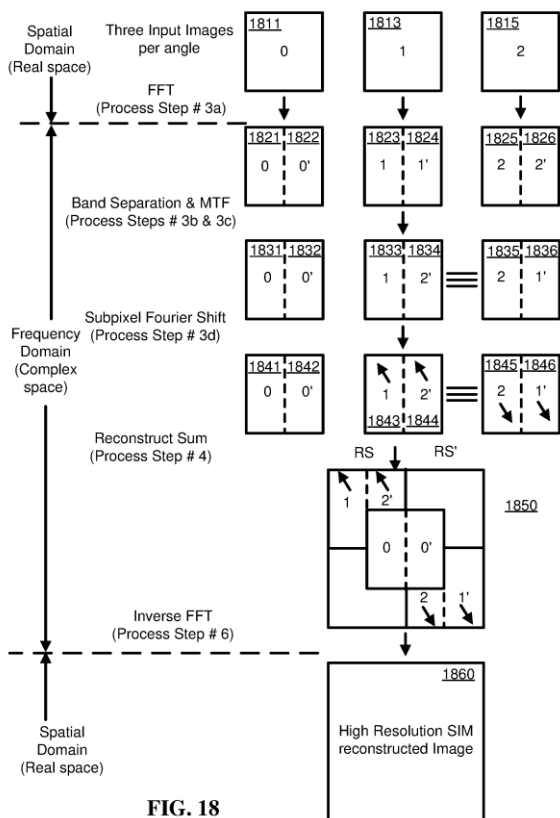
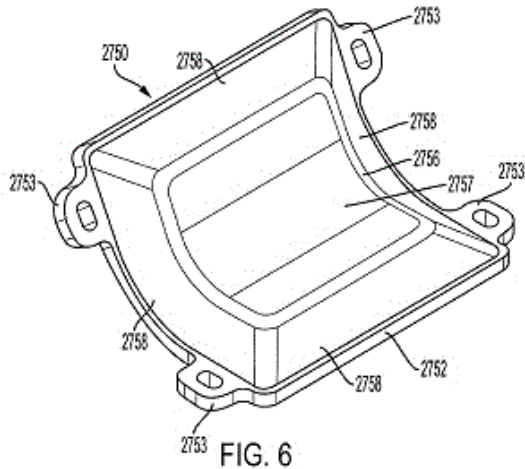


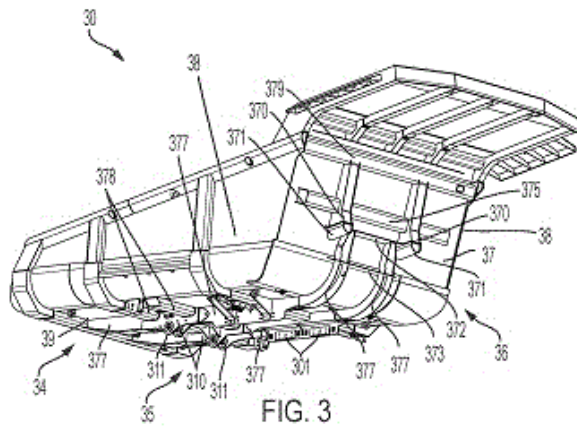
FIG. 18

21: 2022/04524. 22: 2022/04/22. 43: 2023/12/12
 51: C08J; C08L
 71: IFP ENERGIES NOUVELLES
 72: CHICHE, David, LEINEKUGEL LE COCQ, Damien, BOUNIE, Christine



21: 2022/04618. 22: 2022/04/25. 43: 2023/11/03
 51: B60P
 71: CATERPILLAR INC.
 72: BROMENSHENKEL, TIMOTHY J, MUNOZ-NAJAR, ANDRES
 33: US 31: 16/663,825 32: 2019-10-25
54: HAUL TRUCK DUMP BODY FRONT WALL SUPPORT

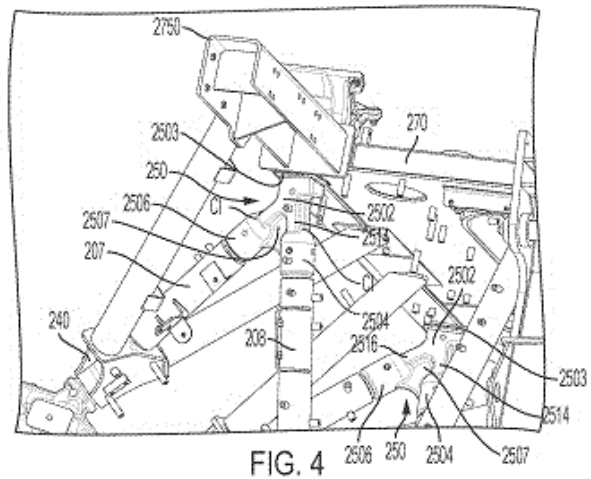
00: -
 A support structure arrangement for a front wall (37) of a dump body (30) comprises a first vertical support structure (370) and a second vertical support structure (370). The first and second vertical support structures (370) can be elongate structural members spaced in a width direction from each other. bottom (35) portions of the first and second vertical support structures (370) can form down-facing contact surfaces (371).



21: 2022/04621. 22: 2022/04/25. 43: 2023/11/06
 51: B62D; B23K
 71: CATERPILLAR INC.

72: MILLER, TAD W, KHARE, ROOPAM
 33: US 31: 16/664,010 32: 2019-10-25
54: SPACE FRAME FRONT UPPER FRAME CONNECTION

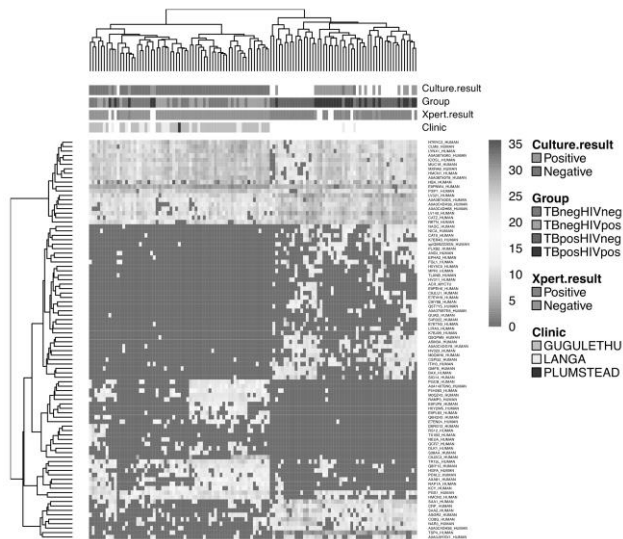
00: -
 A front upper frame connection (250) casting can comprise a vertical front upper frame connection boss (2504) oriented in a first downward direction and configured to weldably attach to a first elongate support member (201); a rearward angular front upper frame connection boss (2506) oriented in a second downward direction and configured to weldably attach to a second elongate support member (201) different from the first elongate support member (201); and a center cast section (2502) castably attached to the vertical front upper frame connection boss (2504) and the rearward angular front upper frame connection boss (2506). The center cast section (2502) can have a top surface (2503) configured to weldably attach to a front upper body (30) support and frame connection fabrication of a space frame (20) of a rear (24) haul truck.



21: 2022/04794. 22: 2022/04/29. 43: 2023/11/14
 51: G01N
 71: UNIVERSITY OF CAPE TOWN
 72: BLACKBURN, Jonathan Michael, DHEDA, Keertan Unkha Jairam
 33: ZA 31: 2019/06422 32: 2019-09-30
54: METHOD FOR DIAGNOSING TUBERCULOSIS IN URINE SAMPLES

00: -
 The invention provides a method for diagnosing and treating tuberculosis (TB). The method comprises

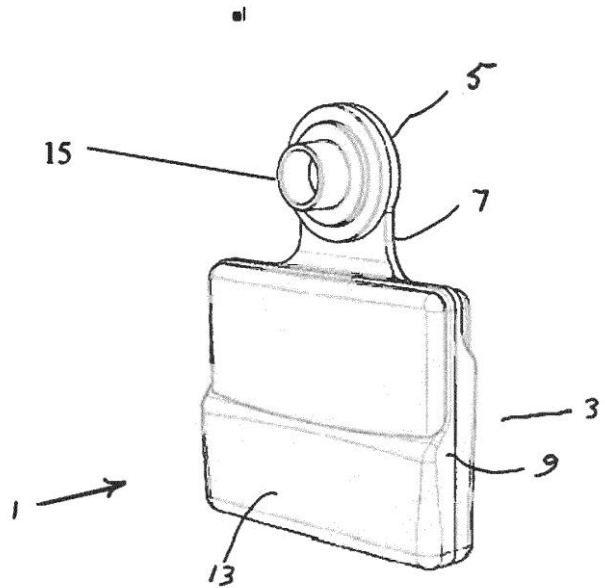
testing a urine sample from a subject suspected of having TB for the presence of at least two human-derived biomarkers, of which one is SAA1 and the other is RETN or RBP4. The urine sample can also be tested for the presence of one or more additional biomarkers selected from LILRB4, IL18BP, SERPINA3, CD59, IGLV3.21, IGKV1.17, SAA2, CRP, TSP4, AXA81, A8MUE1, O53764_MYCTU (Rv0567), I6Y0W5_MYCTU (fadE19, Rv2500c), Q79FP1_MYCTU (PE_PGRS28, Rv1452c), HTPG_MYCTU (htpG, Rv2299c), RPOB_MYCTU (rpoB, Rv0667), EFTU_MYCTU (tuf, Rv0685), ACR_MYCTU (hspX, Rv2031c), CH602_MYCTU (groEL2, Rv0440), CLPP1_MYCTU (clpP1, Rv2461c) and/or CH10_MYCTU (10kDa chaperonin, Rv3418c).



21: 2022/04806. 22: 2022/04/29. 43: 2023/12/04
 51: A01K
 71: MOOVEMENT HOLDING B.V.
 72: VOGELS, Pieter
 33: AU 31: 2019904156 32: 2019-11-04
54: SYSTEM AND APPARATUS FOR THE MONITORING OF LIVESTOCK AND THE LIKE
 00: -

An electronic ear tag [1] for use in the monitoring or management of livestock has a mass of 32 grams or less. The tag has a polycarbonate housing [3] made with front and rear portions [9] and [11] which are ultrasonically welded together, and has a short neck [7] and a prong [15] for attachment to the ear of an animal. A PCB [40] in the housing includes a microprocessor, a GNSS module and a LoRa transceiver and antenna. A gateway [103] for

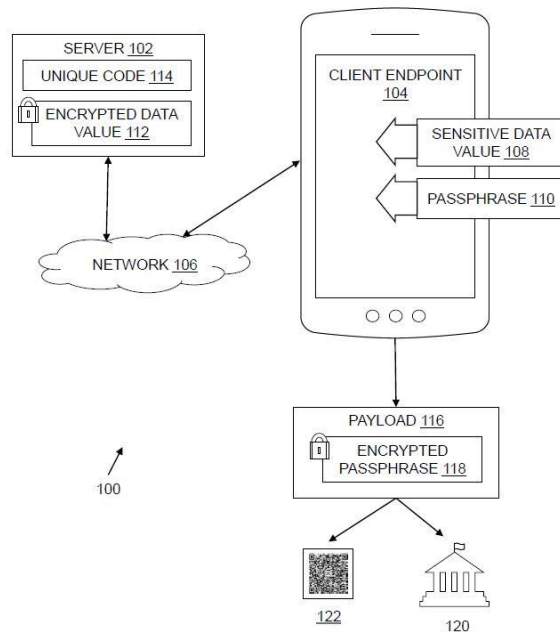
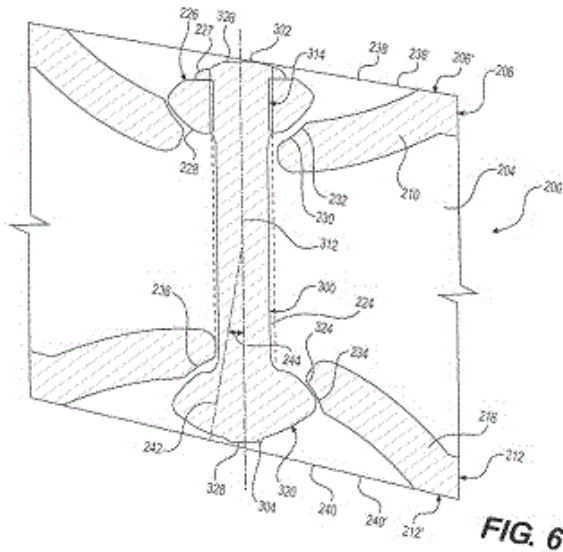
communication with the ear tag [1] and with the telephone network is also disclosed, as is an animal monitoring and/ or management system which uses the ear tag [1] and the gateway [103].



21: 2022/04827. 22: 2022/04/29. 43: 2023/11/03
 51: B60G
 71: CATERPILLAR INC.
 72: WIETHARN, ROSS P
 33: US 31: 16/671,761 32: 2019-11-01

54: CENTER LINK FOR ARTICULATED TRUCK SUSPENSION MOUNTS

00: -
 A center link (300) has a bolt portion (314) contact pad extending longitudinally and transversely from the bolt portion (314), forming a bolt portion contact surface (326) extending transversely, and defining a bolt portion contact surface transverse width (344) that is less than the shaft portion transverse width (370'). The center link (300) also has a mushroom head portion contact pad (354) extending longitudinally and transversely from the mushroom head portion (320), forming mushroom head portion contact surface (328), and defining a mushroom head portion contact surface transverse width (356) that is less than the shaft portion transverse width (352).



21: 2022/04916. 22: 2022/05/05. 43: 2023/12/04
51: G06F

71: WILSON, Matthew Brodie
72: WILSON, Matthew Brodie, WILSON, Antony Brodie

54: SECURE STORAGE AND RETRIEVAL OF A SENSITIVE DATA VALUE

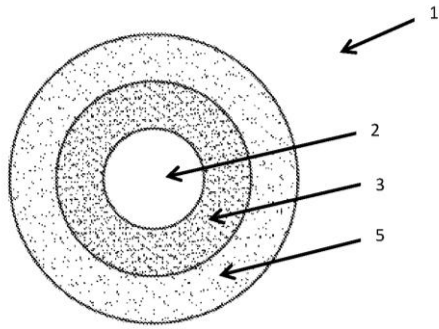
00: -
A system and method for securely storing a sensitive data value, such as a seed phrase for a cryptocurrency wallet, are provided. A client endpoint associated with a subscriber receives the sensitive data value and encrypts it using a passphrase. The client endpoint transmits the encrypted data value to a remote server for secure storage. The client endpoint receives from the remote server a unique code which is associated with the subscriber and encrypts the passphrase using the unique code. The encrypted passphrase is compiled into a payload by the client endpoint, and the payload is provided for secure storage at one or both of a third party secure storage platform and an offline storage location at which the payload is stored on a tangible medium, for example as a machine readable graphical representation such as a QR code.

21: 2022/04936. 22: 2022/05/05. 43: 2023/12/06
51: A01N; C05G

71: DONAGHYS LIMITED
72: MARFELL, Jarred, SILVA, Jeremy, YERITSYAN, Karen

54: A COMPOSITION AND RELATED METHODS OF MANUFACTURE AND USE

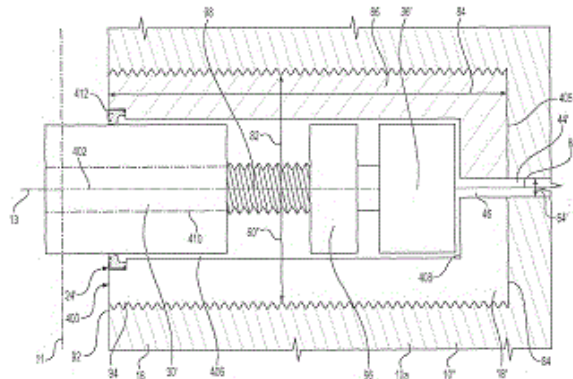
00: -
Described herein is a stable dry composition comprising a compound with herbicide activity located on a carrier compound and a compound with amphiphilic properties coating at least part or all of the compound with herbicide activity and carrier compound. Methods of manufacture and application of the dry composition are also described along with storage stable plant and herbicide compositions and methods of co-administration of combination plant and herbicide compositions.



An adaptor (10, 10a) includes a body (10', 10'') defining a longitudinal axis (11), and a transverse axis (13) that is normal to the longitudinal axis (11). The body (10', 10'') also has a leading portion (16) defining a lock receiving recess (18') extending transversely at least partially through the leading portion (16), and a wire receiving conduit (46) that is in communication with the lock receiving recess (18'). The lock receiving recess (18') defines a width (82) and a depth (84) with a ratio of the depth (84) to width (82) that is greater than 1.0.

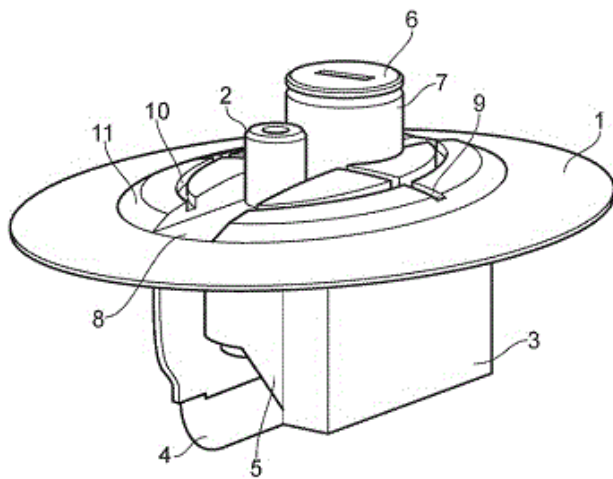
21: 2022/04992. 22: 2022/05/06. 43: 2023/11/06
 51: A63B
 71: GRAYS OF CAMBRIDGE (INTERNATIONAL) LTD
 72: SAVAGE, IAN, JENKINS, PAUL, HUSEMEYER, PETER, CHURET, MICKAEL, GODOLPHIN, RYAN
 33: GB 31: 1915533.2 32: 2019-10-25
54: VALVE SYSTEM

00: -
 An apparatus for insertion into an inflatable sports ball, the apparatus comprising a plate comprising a valve wherein the valve comprises an aperture for selective communication of air, a circuit board comprising a transmitter and a battery electrically connected to the circuit board.



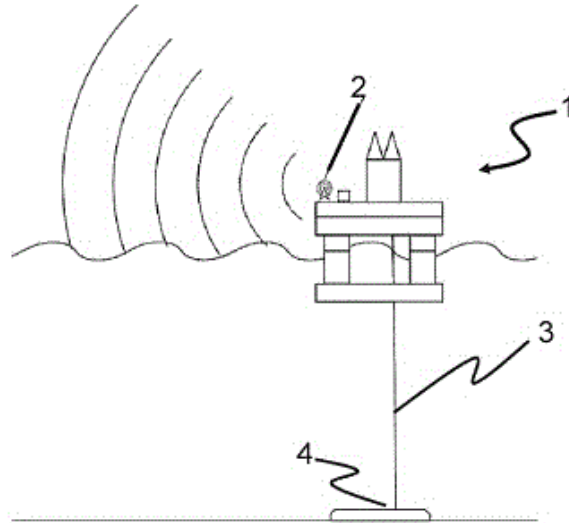
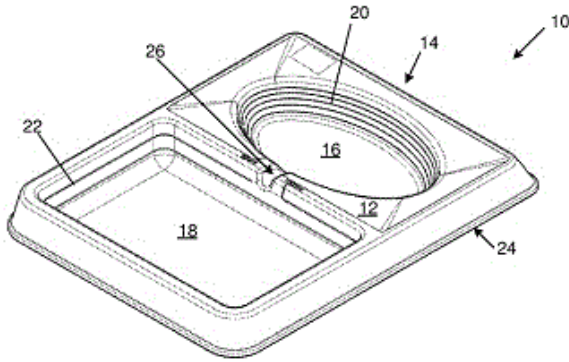
21: 2022/05224. 22: 2022/05/11. 43: 2023/11/03
 51: A61B; A61G; A61J
 71: EQUALIZE HEALTH
 72: HOFMEYR, GEORGE JUSTUS
 33: ZA 31: 2019/07195 32: 2019-11-01
54: FLUID COLLECTION DEVICE

00: -
 Aspects of the present disclosure provide a fluid collection device (10) including a rigid or semi-rigid structure (12) having a wedge-shaped leading edge (14) to fit under a patient's buttocks (13) while the patient is supine. At least one receptacle (16) is provided in the structure (12) to receive fluid discharged by the patient. A measurement apparatus (20) associated with the at least one receptacle (16) indicates a threshold volume of fluid collected by the fluid collection device (10).



21: 2022/05090. 22: 2022/05/09. 43: 2023/11/03
 51: E02F
 71: CATERPILLAR INC.
 72: SERRURIER, DOUGLAS C
 33: US 31: 16/678,276 32: 2019-11-08
54: ELECTRONICALLY OPERATED LOCKING SYSTEM FOR EARTH MOVING EQUIPMENT AND METHOD

00: -



21: 2022/05231. 22: 2022/05/11. 43: 2023/11/06
 51: B63B; E21B; G01C
 71: ODFJELL DRILLING AS
 72: BORSHOLM, THOMAS, LUND, PER
 33: NO 31: 20191269 32: 2019-10-24

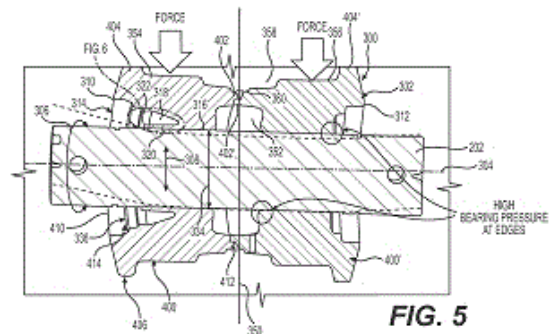
54: A MOBILE OFFSHORE DRILLING UNIT AND METHOD OF CONTROLLING A PROCESS AUTOMATION SYSTEM

00: -
 The invention is related a floating mobile offshore drilling and a method of controlling a process automation system thereon. The floating mobile offshore drilling rig comprising a wave prediction system, a movement predictor unit, a process automation system configured to perform at least one operational sequence on board the mobile offshore drilling unit within a predetermined safe operating envelope. The process automation system is configured to enable at least one operational sequence when predicted movement of the mobile offshore drilling unit is within a predetermined safe operating envelope for the at least one operational sequence.

21: 2022/05282. 22: 2022/05/12. 43: 2023/11/03
 51: F16C; B62D
 71: CATERPILLAR INC.
 72: HAKES, DAVID J
 33: US 31: 16/681,118 32: 2019-11-12

54: TRACK ROLLER WITH REDUCED STIFFNESS

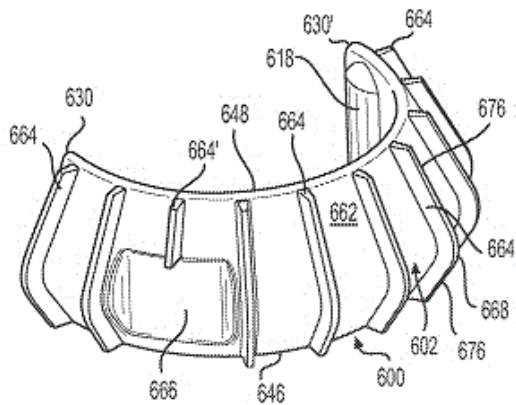
00: -
 A track roller (300) includes a body (302) having an annular configuration defining an axis of rotation (304), a radial direction (308), and a circumferential direction (306) disposed about the axis of rotation (304). The body (302) also defines a thru-hole (316) extending axially through the body (302) that is centered on the axis of rotation (304). A blind void (318) is disposed annularly about the axis of rotation (304), the blind void (318) being spaced radially away from the thru-hole (316) a predetermined minimum distance (332), forming a cantilever portion (320) defining a flex point (326) and a flex radial distance (328) measured radially from the flex point (326) to the thru-hole (316).



21: 2022/05283. 22: 2022/05/12. 43: 2023/11/01
 51: E02F
 71: CATERPILLAR INC.
 72: SERRURIER, DOUGLAS C, SINN, ERIC T,
 JURA, JASON GRANT

33: US 31: 16/683,492 32: 2019-11-14
**54: RETAINER SLEEVE DESIGN WITH
 EXTERNAL RIBS OR WITH AN ANTI-
 ROTATIONAL FEATURE**

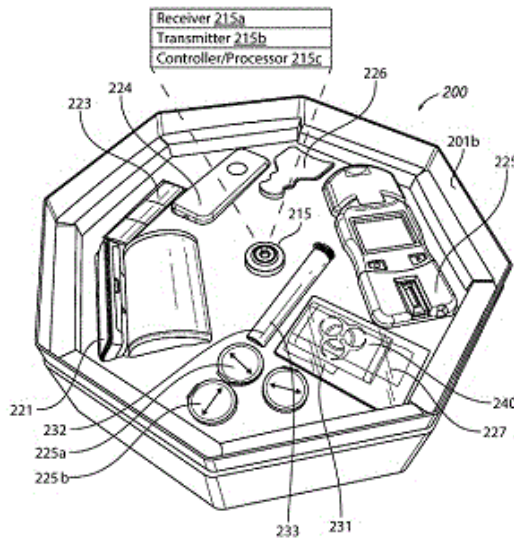
00: -
 A retainer sleeve (600) includes an at least partially annular body (402) defining an axis of rotation (404), a radial direction (406), and a circumferential direction (408). The body (402) may also have a radially inner annular surface (410) defining a radially inner aperture (413), and a first anti-rotation feature (412) extending radially inwardly from the radially inner annular surface (410) including a sloping ledge (414) having a locking surface (416), and an outer peripheral surface (662) defining a notch (666) that is at least partially aligned with the first anti-rotation feature (612) or an array of a plurality of external ribs (664) extending outwardly radially from the outer peripheral surface (662).



21: 2022/05290. 22: 2022/05/12. 43: 2023/11/01
 51: G16H
 71: REPERIO HEALTH, INC.
 72: RUSH, TRAVIS, WALLINGTON, MATTHEW
 ROBERT
 33: US 31: 62/928,146 32: 2019-10-30
**54: MODULAR AUTOMATED PHYSICAL HEALTH
 TESTING SYSTEMS AND ASSOCIATED DEVICES
 AND METHODS**

00: -
 Automated modular physical health testing systems and associated devices and methods are disclosed herein. A modular system configured in accordance with embodiments of the present technology can

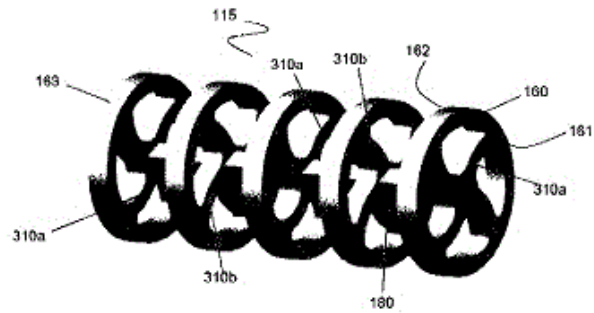
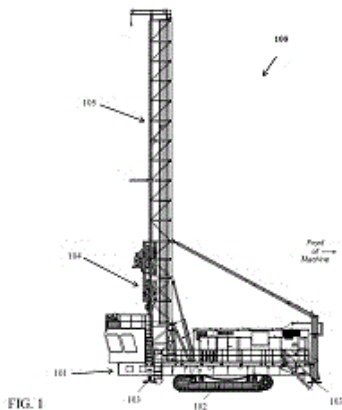
include, for example, a housing, a communications hub, and a plurality of physical health testing devices. The housing integrates the communications hub and stores the plurality of physical health testing devices. The physical health testing devices are in wired and/or wireless communication with the communications hub. Each physical health testing device is configured to generate physical health data of a user and to transmit generated physical health data to the communication hub and/or a user's mobile device. The modular physical health testing system provides an automated physical exam that can be performed at user's homes or other convenient locations.



21: 2022/05382. 22: 2022/05/16. 43: 2023/11/13
 51: E21B
 71: PECK TECH CONSULTING LTD.
 72: GARIÉPY, FRANÇOIS, PECK, JONATHAN
 PHILLIP
 33: US 31: 62/943,020 32: 2019-12-03
 33: US 31: 17/109,199 32: 2020-12-02
**54: SYSTEMS, APPARATUSES, AND METHODS
 FOR AUTOMATED CONTROL OF BLASTHOLE
 DRILL BASED ON PERFORMANCE MONITORING**

00: -
 An advanced real-time drilling control system (300) can comprise circuitry (330) configured to continuously monitor, in real time, drilling performance of an electric drilling machine (100) as the electric drilling machine (100) drills a blasthole using a rotary tricone drill bit (206) (S402). The continuous monitoring can include continuously

collecting, according to a predetermined sampling rate, drill performance data from one or more sensors (354) of the electric drilling machine (100) in real time. The circuitry (330) can also be configured to adjust, in real time, pulldown pressure/rate and rotary speed of the rotary tricone drill bit (206) of the electric drilling machine (100) to optimize penetration rate of the rotary tricone drill bit (100) based on the drill performance data and output of one or more machine learning operations applied to the drill performance data.



21: 2022/05485. 22: 2022/05/18. 43: 2023/11/16
51: C12N C12P

71: CJ CHEILJEDANG CORPORATION
72: CHOI, Sol, LEE, Jin Nam, KIM, Hee Ju, RHO, Jin Ah, LEE, Han, Hyung

33: KR 31: 10-2019-0134797 32: 2019-10-28

54: L-METHIONINE PRODUCING MICROORGANISM TO WHICH PROTEIN ENCODED BY FOREIGN METZ GENE IS INTRODUCED AND METHOD FOR PRODUCING L-METHIONINE USING SAME

00: -

The present application relates to a metZ gene-introduced, L-methionine producing microorganism and a method for producing L-methionine using same.

21: 2022/05388. 22: 2022/05/16. 43: 2023/11/20
51: B01F; A61L; B01D; A61K

71: BAUER, WALTER JACOB

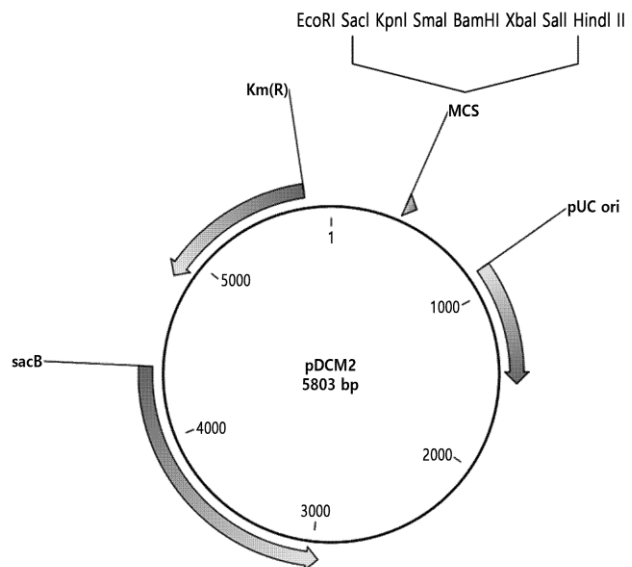
72: BAUER, WALTER JACOB

33: US 31: 62/944,813 32: 2019-12-06

54: REVERSING FLOW APPARATUS

00: -

A reversing flow apparatus comprising a chamber having a series of two or more sequential rings mounted on a shaft extending axially through the chamber, the rings being separated by a space, each ring comprising a circumference and one or more S-shaped members extending from a point in the circumference to another point in the circumference and across a center of the ring, the two or more sequential rings being mounted along the shaft in a twist arrangement such that at least one ring in the apparatus has its S-shaped member in a forward-facing position and at least one ring in the apparatus has its S-shaped member in a reverse-facing position.



21: 2022/05789. 22: 2022/05/25. 43: 2023/11/07
51: C07K C12P C12N

71: ONEGENE BIOTECHNOLOGY INC.

72: PARK, Sungjin, IM, Daeseong, KIM, Ryuryun, KIM, Minsum, CHOI, Jaeyoung

33: KR 31: 10-2019-0154945 32: 2019-11-27

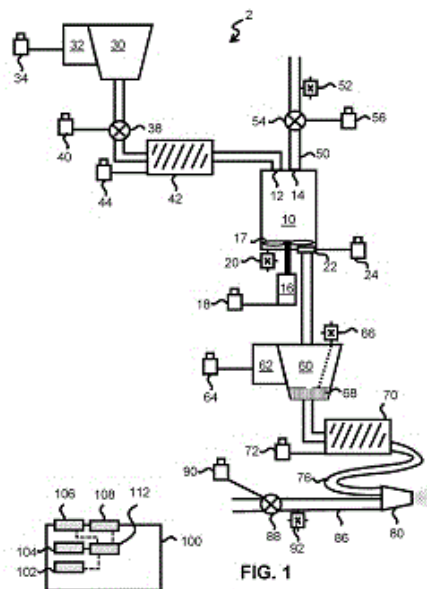
54: MULTIFUNCTIONAL MULTISPECIFIC MULTIMERIC BIOMOLECULE POLYMER HAVING PROLONGED IN-VIVO DURATION

00: -
 The present invention provides a multifunctional multispecific multimeric biomolecule polymer which is formed by obtaining a biomolecule, to which a ubiquitin C-terminal tag is bound, by recombinant-expressing the biomolecule from a host cell, and polyubiquitinating, in vitro, the biomolecule along with a substrate, and proteins E1 (activation enzyme), E2 (conjugation enzyme) and E3 (ligase) which are involved in ubiquitination, and thus having the biomolecule bind to a polyubiquitin scaffold which is formed by covalently bonding two or more ubiquitins. The biomolecule of the present invention may be one or more selected from the group consisting of a protein, peptide, polypeptide, antibody, antibody fragment, DNA and RNA, and, for example, by using heterologous proteins, modularized functionality may be imparted to the multifunctional multispecific biomolecule polymer. In addition, according to the present invention, the provided multifunctional multispecific multimeric biomolecule polymer is bound to a molecule capable of increasing in-vivo duration, and thus may be used for producing drugs requiring increased duration of efficacy in vivo. [Representative drawing] figure 30

21: 2022/06124. 22: 2022/06/01. 43: 2023/11/06
 51: B28C; C21C; B21B
 71: VESUVIUS U S A CORPORATION
 72: MOHANTY, BEDADIBHAS, SELF, DAVID R
 33: EP 31: 19214069.7 32: 2019-12-06
54: METHOD AND APPARATUS FOR BATCH PRODUCTION OF, AND CONTINUOUS APPLICATION OF, A REFRACTORY COMPOSITION TO A SURFACE

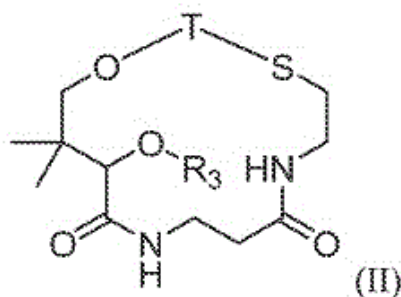
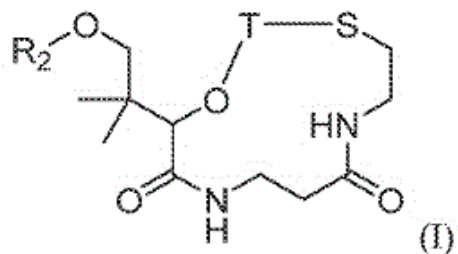
00: -
 A device and a process for the continuous application of a refractory slurry to a surface incorporate a batch reactor (10) for the controlled mixing of the slurry, a product vessel (60) in communication with the batch reactor (10) to contain the mixed slurry, and a variable-rate spraying applicator or nozzle in communication with the product vessel and with an air supply. A controller (100) controls input to, output from, and the operation of, the batch mixer (10), and monitors batch production. The controller (100) monitors the

amount of slurry contained in the product vessel (60). If the level of slurry in the product hopper is such that the product hopper cannot accommodate an additional batch of slurry, the controller interrupts batch production and resumes production when the product hopper can accept the contents of the batch reactor (10).



21: 2022/06436. 22: 2022/06/09. 43: 2023/11/03
 51: C07C; C07F; A61K; A61P
 71: VECTIVBIO COMET AG
 72: TAVERAS, ARTHUR GEORGE, KUSCER, ENEJ, SEKIRNIK, ANGELINA ROBERTA
 33: US 31: 62/940,426 32: 2019-11-26
54: MACROCYCLIC PANTETHEINE DERIVATIVES AND USES THEREOF

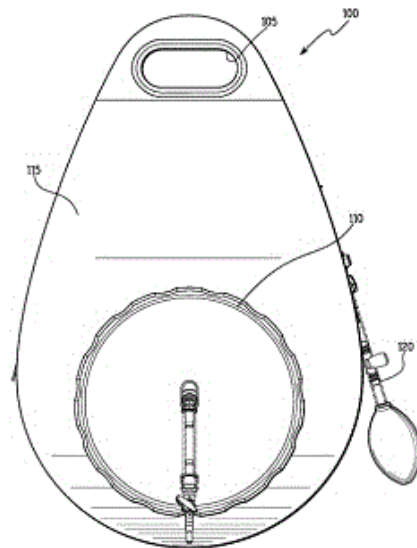
00: -
 The present disclosure relates to compounds of Formulae (I) or (II): and pharmaceutically acceptable salts or solvates thereof. The present disclosure also relates to pharmaceutical compositions comprising the compounds and therapeutic and diagnostic uses of the compounds and pharmaceutical compositions.



21: 2022/06547. 22: 2022/06/13. 43: 2023/11/14
 51: B01D; C02F
 71: IP 33 LTD
 72: SONI, PIUSH
 33: US 31: 62/936,111 32: 2019-11-15
 33: US 31: 62/948,784 32: 2019-12-16
 33: US 31: 16/735,615 32: 2020-01-06

54: WATER FILTRATION SYSTEM

00: -
 A filter assembly includes an inlet end, a sediment filter having a sediment filter surface facing the inlet end and cylindrical filters. The sediment filter surface is orthogonal to each cylindrical filter surface. A first channel and a second channel may fluidly connect the sediment filter to the more cylindrical filters. The first channel can have a central axis that is orthogonal to a central axis to the more than one cylindrical filter. A central axis of the second channel may be in a direction along the length of the more than one cylindrical filter.

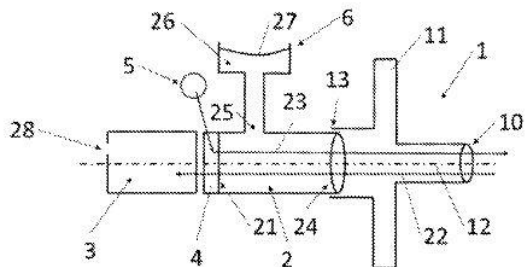


21: 2022/06839. 22: 2022/06/20. 43: 2024/01/08
 51: A61B
 71: LUNG-DIAGNOSTICS GMBH
 72: SINDHUBER, Gerald, WEGERER, Alfred
 33: AT 31: A 60266/2019 32: 2019-12-02
 33: AT 31: A 50323/2020 32: 2020-04-16

54: LUNG TESTING DEVICE

00: -
 The invention relates to a device for determining measurement values describing the function of the lungs or the respiratory system of a patient, said device comprising, as device elements, a mouthpiece (1) comprising a tube for introducing respiratory air and for sucking in air, and a gas measurement chamber (2, 3), with at least one of the following gas sensors being arranged in the gas measurement chamber (2, 3) to determine the relevant measurement values: nitrogen monoxide sensor, carbon dioxide sensor, oxygen sensor, carbon monoxide sensor, multi-gas sensor, sensor for volatile organic compounds (such as alkane sensor, alkene sensor, aldehyde sensor), alkane sensor, infrared sensor and/or fibre optic sensor and/or resistance sensor and/or semiconductor sensor, the gas measurement chamber (2, 3) being separated by a closable opening into a first gas measurement chamber (2) and a second gas measurement chamber (3), the second gas measurement chamber (3) being a chamber that is closed off or can be closed off. The closable opening opens a first flow path (22) from the first gas measurement chamber (2) into the second gas measurement chamber (3) on exhalation and thus

introduction of respiratory air into the device. At least one gas sensor is arranged in the second gas measurement chamber (3).



21: 2022/06877. 22: 2022/06/21. 43: 2023/12/05
51: A61H

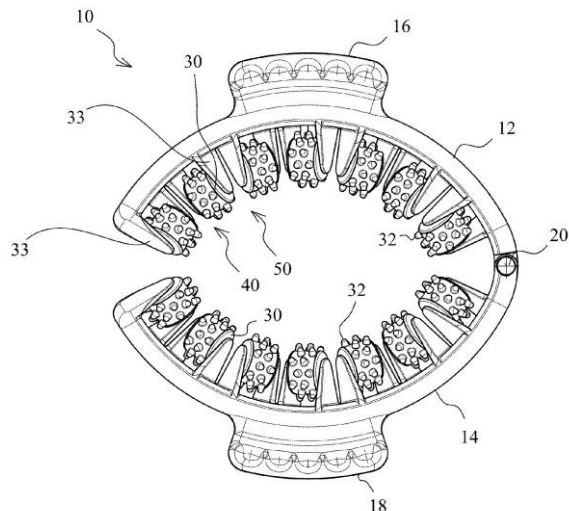
71: FELDI S.R.L.

72: TRIGGIANESE, Doriano

54: DEVICE FOR TREATING CELLULITIS

00: -

A massage device comprising at least one arcuate support provided with a plurality of adjacent rollers, wherein each roller is constrained to the arcuate support in a certain position and is further adapted to rotate about an axis belonging to a plane substantially parallel to the tangential plane to the profile of the arcuate support at said certain position, and each roller of said plurality of rollers is convergent or divergent with respect to the immediately adjacent roller.



21: 2022/06901. 22: 2022/06/21. 43: 2023/11/06
51: C07C

71: DOW TECHNOLOGY INVESTMENTS LLC

72: BIGI, MARINUS A, BRAMMER, MICHAEL A, MILLER, GLENN A, SINGH, AMARNATH
33: US 31: 62/950,737 32: 2019-12-19

54: PROCESSES FOR PREPARING ISOPRENE AND MONO-OLEFINS COMPRISING AT LEAST SIX CARBON ATOMS

00: -

The present invention relates to processes for preparing isoprene and mono-olefins comprising at least six carbon atoms. In one aspect, a process comprises (a) hydroformylating a mixed C4 olefin stream, wherein the mixed C4 olefin stream comprises 1-butene, 2-butene, and optionally isobutene, with a hydroformylation catalyst, wherein the hydroformylation catalyst comprises rhodium with monodentate organophosphorous ligand and optionally polydentate organophosphorous ligand, to produce a mixture comprising linear and branched C5 aldehydes; (b) separating the branched C5 aldehydes from the linear C5 aldehydes to provide a branched C5 aldehyde stream and a linear C5 aldehyde stream; (c) dehydrating the branched C5 aldehydes in the branched C5 aldehyde stream using a dehydration catalyst to form a stream comprising isoprene; (d) hydrogenating the linear C5 aldehydes in the linear C5 aldehyde stream to form a C5 alcohol stream; (e) dehydrating the C5 alcohols in the C5 alcohol stream with a second dehydration catalyst to form a C5 olefin stream; (f) hydroformylating the C5 olefins in the C5 olefin stream to generate a C6 aldehyde stream; (g) hydrogenating the C6 aldehydes in the C6 aldehyde stream to form a C6 alcohol stream; and (h) dehydrating the C6 alcohols in the C6 alcohol stream with a third dehydration catalyst to form a C6 olefin stream.

21: 2022/06947. 22: 2022/06/22. 43: 2023/11/03
51: B60B; B60R; E05B

71: RIMGARD SWEDEN AB

72: IVARSSON, LARS, EKSTRÖM, MARCUS

33: US 31: 16/701,321 32: 2019-12-03

33: SE 31: 1951376-1 32: 2019-12-03

54: WHEEL LOCKING DEVICE

00: -

A device for locking the wheel of a vehicle. The device comprises a main module adapted to be attached to the wheel and configured to cover nuts or bolts for attaching the wheel to the vehicle. The device further comprises an insert structure

comprising an upper part and a lower part wherein the upper part is rotatably joined to the lower part by an axial joint. The device further comprises a center bolt adapted to be connected through the main module to the lower part of the insert structure by means of a threading as well as a locking mechanism adapted to be arranged in a locking state in which the locking mechanism prevents the center bolt from rotating relative the main module, and in an open state in which the locking mechanism allows the center bolt to rotate relative the main module.

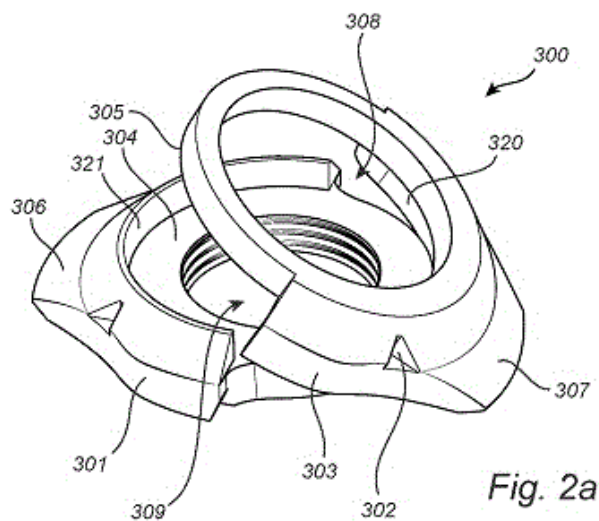
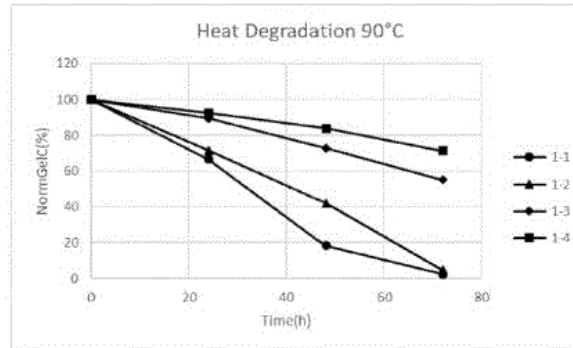


Fig. 2a

21: 2022/06990. 22: 2022/06/23. 43: 2023/12/05
 51: A61L; C08B; C08J; C08L
 71: GALDERMA HOLDING S.A.
 72: OLSSON, Johan, KARLSSON, Morgan
 33: US 31: 62/942,624 32: 2019-12-02

54: HIGH MOLECULAR WEIGHT ESTHETIC COMPOSITIONS

00: -
 Described are high molecular weight glycosaminoglycan (GAG) hydrogel compositions comprising GAGs covalently crosslinked with a carbohydrate crosslinker, and methods of making the high molecular weight GAG hydrogel compositions. Further described are methods of using the high molecular weight glycosaminoglycan (GAG) hydrogel compositions for reparative or plastic surgery, esthetic dermatology, facial contouring, body contouring, and gingival augmentation.



21: 2022/06998. 22: 2022/06/23. 43: 2023/11/14
 51: A61K; A61P

71: EXELIOM BIOSCIENCES, INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS, SORBONNE UNIVERSITÉ, INSTITUT NATIONAL DES SCIENCES ET INDUSTRIES DU VIVANT ET DE L'ENVIRONNEMENT

72: ROUSSEAU, CHRISTEL, SOKOL, HARRY, RUFFIE, PAULINE, CHATEL, JEAN-MARC, CHAIN, FLORIAN, LANGELLA, PHILIPPE, MARTIN-ROSIQUE, REBECA

33: EP 31: 19306662.8 32: 2019-12-17

54: ASSOCIATION OF FAECALIBACTERIUM PRAUSNITZII STRAIN CNCM I-4573 WITH PENTASA® FOR THE TREATMENT AND PREVENTION OF GASTROINTESTINAL INFLAMMATION

00: -
 The present invention relates to an association of a bacterial strain of the species Faecalibacterium prausnitzii deposited with the CNCM under accession number CNCM I-4573 with mesalamine, or a derivative thereof, and in particular to the use of this association in the treatment and/or prevention of an inflammatory gastrointestinal disease in an individual.

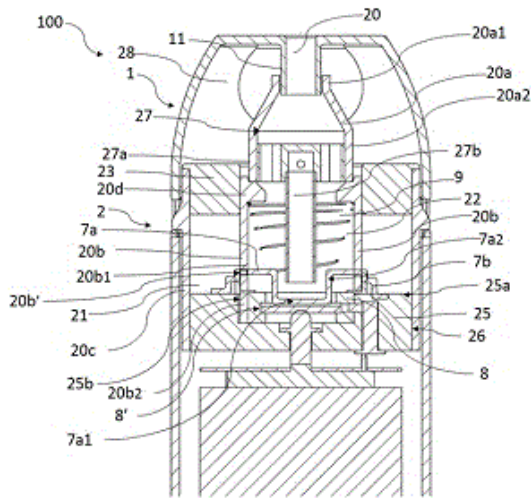
21: 2022/07045. 22: 2022/06/24. 43: 2023/11/06
 51: A61M; B05B; A24F

71: SHAHEEN INNOVATIONS HOLDING LIMITED
 72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED

54: ULTRASONIC MIST INHALER

00: -
 The invention relates to an ultrasonic mist inhaler (100), comprising: a liquid reservoir structure (2) comprising a liquid chamber (21) adapted to receive

liquid to be atomized, a sonication chamber (22) in fluid communication with the liquid chamber (21), wherein the sonication chamber (22) comprises means of ultrasonic vibrations (5) receiving a predetermined signal for vibrating the means of ultrasonic vibrations (5) in a range comprised between 2.8 MHz and 3.2 MHz.



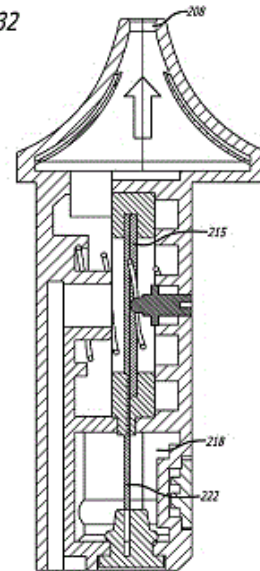
21: 2022/07046. 22: 2022/06/24. 43: 2023/11/01
 51: A24B; A24F; A61M; B05B
 71: SHAHEEN INNOVATIONS HOLDING LIMITED
 72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM
 ALMAZROUEI, MOHAMMED, BHATTI, SAJID,
 MACHOVEC, JEFF, LAMOUREUX, CLEMENT
 33: EP 31: 20168245.7 32: 2020-04-06
 33: IB 31: PCT/IB2019/060810 32: 2019-12-15
 33: IB 31: PCT/IB2019/060812 32: 2019-12-15
 33: EP 31: 20168231.7 32: 2020-04-06
 33: EP 31: 20168938.7 32: 2020-04-09
 33: IB 31: PCT/IB2019/060808 32: 2019-12-15
 33: IB 31: PCT/IB2019/060811 32: 2019-12-15

54: MIST INHALER DEVICES

00: -
 A mist inhaler device (200) for generating a mist for inhalation by a user comprises a mist generator device (201) and a driver device (202). The driver device (202) is configured to drive the mist generator device (201) at an optimum frequency to maximise the efficiency of mist generation by the mist generator device (201). A liquid drug such as nicotine, a protein solution, or a medical suspension is transformed into mist by sonication using an ultrasonic transducer 215 which has a planar atomisation surface parallel to the longitudinal length of the mist generator housing. A capillary element

222 extends between a liquid chamber and the sonication chamber, and is retained by the transducer holder (210) such that a part of the capillary element is superimposed on the atomisation surface of the ultrasonic transducer.

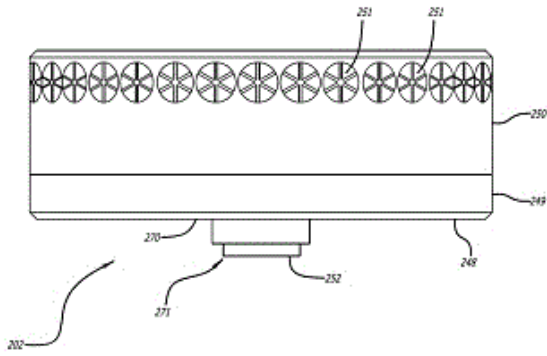
FIG. 32



21: 2022/07047. 22: 2022/06/24. 43: 2023/11/01
 51: A24B; A24F; A61M; B05B; B06B;
 71: SHAHEEN INNOVATIONS HOLDING LIMITED
 72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM
 ALMAZROUEI, MOHAMMED, BHATTI, SAJID,
 MACHOVEC, JEFF, LAMOUREUX, CLEMENT
 33: US 31: 17/220,189 32: 2021-04-01
 33: GB 31: 2104872.3 32: 2021-04-06
 33: US 31: 17/122,025 32: 2020-12-15

54: A HOOKAH DEVICE

00: -
 A hookah device (202) which attaches to a hookah (246). The hookah device (202) comprises a plurality of ultrasonic mist generator devices (201) for generating a mist for inhalation by a user. The hookah device (202) comprises a driver device (202) which controls the mist generator devices (201) to maximize the efficiency of mist generation by the mist generator devices (201) and optimize mist output from the hookah device (202).



21: 2022/07213. 22: 2022/06/29. 43: 2023/12/07
 51: E04H
 71: GUARDIAR EUROPE BVBA
 72: MESSELIS, Timothy, SYNODINOS, Stefanos
 33: GB 31: 2002248.9 32: 2020-02-19
54: FENCE PANEL
 00: -

A fence panel comprising a mesh fence panel comprising a plurality of intersecting wires connected together, wherein the mesh fence panel has two opposed surfaces and one or more reinforcing panels connected to said mesh fence panel and extending partly across at least one of the surfaces thereof, wherein each reinforcing panel comprises a plurality of intersecting wires connected together to form a mesh and wherein there is a portion of the mesh fence panel that is free from the one or more reinforcing panels on both surfaces thereof.

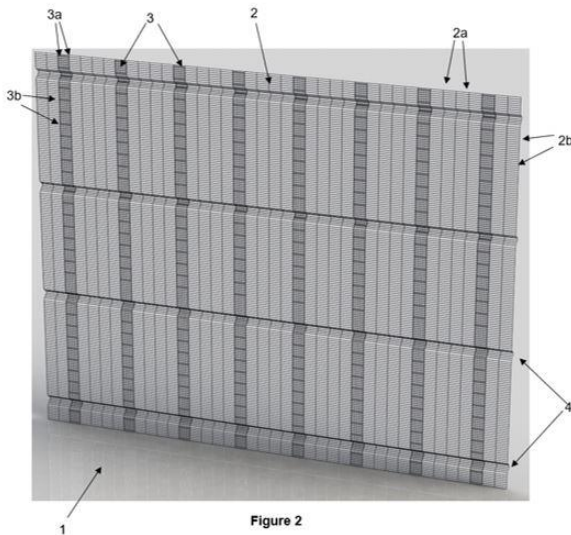
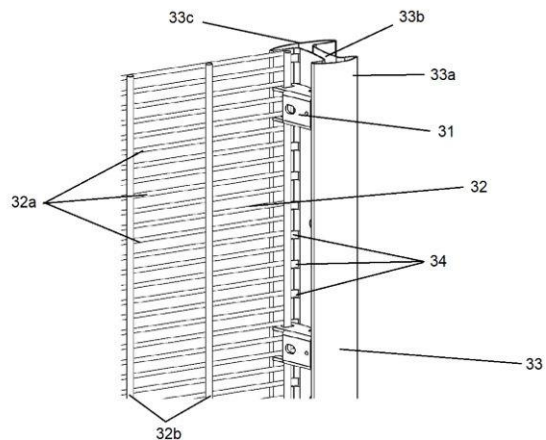


Figure 2

21: 2022/07214. 22: 2022/06/29. 43: 2023/12/07
 51: E04H
 71: PRAESIDIAD HOLDING BVBA

72: MESSELIS, Timothy, SCHMIDT, Szymon
 33: GB 31: 2000791.0 32: 2020-01-20
54: SECURING DEVICE FOR FENCE

00: -
 The present invention provides a securing device for attaching a mesh fence panel to a fence post, the securing device comprising a device body (1) having a first end comprising at least one fixing means (2) for interacting with a fence post (33) to hold the device in position and a second end, opposite to the first end, comprising four elongated portions (3) extending away from the device body parallel to the axis extending between the first and second ends, wherein the elongated portions define an open-ended first channel (4) perpendicular to the axis extending between the first and second ends and an open-ended second channel (5) perpendicular to both the axis extending between the first and second ends and the first channel, wherein each channel is open along the side of the channel furthest from the first end of the device body.



21: 2022/07544. 22: 2022/07/07. 43: 2023/11/16
 51: C09J; B05D
 71: MOLECULAR PLASMA GROUP S.A.
 72: SCHELTJENS, GILL, BOREK-DONTEN, JOANNA, HEYBERGER, RÉGIS
 33: EP 31: 20150628.4 32: 2020-01-07
54: METHOD FOR ALTERING ADHESION PROPERTIES OF A SURFACE BY PLASMA COATING

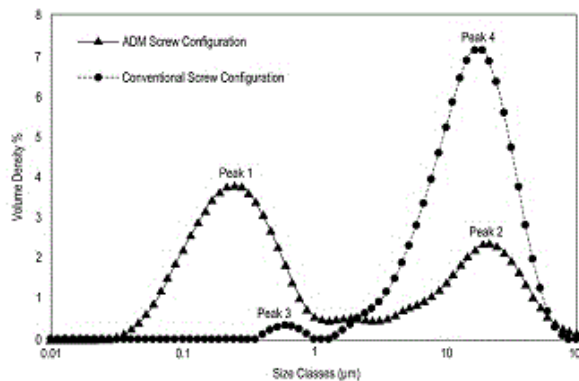
00: -
 The present invention concerns a method for altering adhesion properties of a surface of a substrate by a coating, comprising the steps of: a) ionizing a plasma gas at low temperature and at atmospheric

pressure, thereby creating a plasma with a plasma temperature of at most 50°C; b) introducing a precursor into a plasma gas afterglow of said plasma; c) subjecting the surface of the substrate to said plasma comprising said precursor, thereby forming a coating onto said surface, whereby said plasma gas is essentially completely comprised of inert gas, and whereby said coating alters the adhesion properties of the surface.

21: 2022/07602. 22: 2022/07/08. 43: 2023/11/13
 51: C08B; A21C; A23L; B29B; C08J; C08L
 71: ARCHER DANIELS MIDLAND COMPANY
 72: SANBORN, ALEXANDRA, AYOUB, ALI,
 BASEETH, SHIREEN, HALALIPOUR, ALI,
 GHOTRA, BALJIT

33: US 31: 62/947,269 32: 2019-12-12
54: ULTRA-FINE STARCH OR GRAIN BASED FLOUR COMPOSITION AND RELATED METHODS

00: -
 A method of forming an ultra-fine starch/flour product comprises at least one of (a) or (b), wherein (a) comprises heating a mixture of water and native/modified starch/flour, and extruding the mixture with a screw configuration comprising in series at least one low-shear forward conveying screw and at least one high-shear mixing screw to produce an extrudate. Step (b) comprises forming a mixture of water, a lipid, and native/modified starch/flour, and drying the mixture to produce a dried lipid starch/flour intermediate. The starting starch/flour may be milled prior or after steps (a) or (b). The ultra-fine starch/flour particle product has a higher water solubility as compared to a starch/flour particle product that is produced with a screw configuration devoid of a high shear mixing screw, or a starch/flour intermediate produced in (b) without a lipid. In an embodiment, the method is devoid of chemical or enzyme reaction.

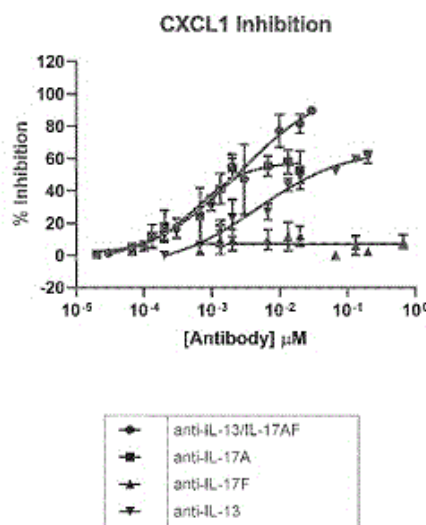


21: 2022/07715. 22: 2022/07/12. 43: 2023/11/01
 51: C07K; A61P; A61K
 71: UCB BIOPHARMA SRL
 72: KHAN, ADNAN RAHMAN, HEYWOOD, SAM
 PHILIP, HUMPHREYS, DAVID PAUL,
 LIGHTWOOD, DANIEL JOHN, DAVE, EMMA,
 BARRY, EMILY MARY CAIRISTINE, STANYON,
 SARAH JAYNE

33: GB 31: 1919061.0 32: 2019-12-20
54: MULTI-SPECIFIC ANTIBODY WITH BINDING SPECIFICITY FOR HUMAN IL-13 AND IL-17

00: -
 The present invention relates to a multi-specific antibody having specificity for human IL-13, human IL-17A and/or human IL-17F. The invention further relates to methods for producing the multi-specific antibody and to its therapeutic use for the treatment of atopic dermatitis and other diseases.

Figure 6. Simultaneous neutralisation of IL-13, IL-17A and IL-17F by IL-13IL-17AF multi-specific antibody



21: 2022/07801. 22: 2022/07/13. 43: 2023/11/03

51: B01J; C07C

71: TOPSOE A/S

72: TJÄRNEHOV, EMIL ANDREAS

33: DK 31: PA 2020 00146 32: 2020-02-05

54: PROCESS AND REACTION SYSTEM FOR THE PREPARATION OF METHANOL

00: -

Process and reaction system for the preparation of methanol. The process comprises the steps of (a) providing a fresh methanol synthesis gas containing hydrogen, carbon monoxide and carbon dioxide;(b)) introducing and reacting the fresh methanol synthesis gas stream in a first methanol reaction unit in presence of a methanol catalyst and obtaining a first effluent stream containing methanol and unconverted synthesis gas; (c) providing a recycle gas stream containing the unconverted methanol synthesis gas contained in the first effluent stream and unconverted methanol synthesis gas from a second methanol reaction unit;(d) introducing and reacting the recycle gas stream in the second methanol reaction unit in presence of a methanol catalyst; (e) withdrawing a second effluent stream containing methanol and the unconverted methanol synthesis gas from the second methanol reaction unit; (f) combining the first and a part of the second effluent stream;(g) cooling and separating the combined effluent into a methanol-containing liquid stream and the recycle stream; and (h) withdrawing the remaining part of the second effluent stream a purge gas stream, wherein the remaining part of the second effluent stream is withdrawn as a purge gas stream prior to combining the first and second effluent stream.

21: 2022/07806. 22: 2022/07/13. 43: 2023/11/01

51: H01R; H02G

71: CMP PRODUCTS LIMITED

72: FRIZZELL, LEE, SWAN, MARTIN

33: GB 31: 2016199.8 32: 2020-10-13

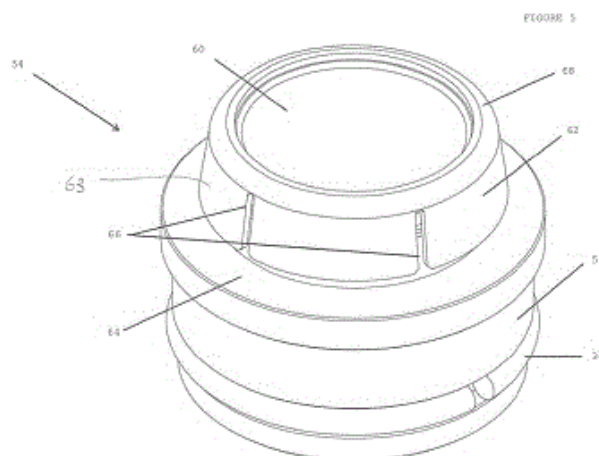
33: EP 31: 20153677.8 32: 2020-01-24

54: CLAMPING DEVICE FOR CABLE CONNECTOR ASSEMBLY

00: -

An insert for a clamping device for clamping an armour layer of a cable in a cable gland is disclosed. The insert comprises a body (54) adapted to be received in a cable gland and defining an aperture (60) for receiving an inner part of a cable. A

clamping portion (62) is adapted to engage an armour layer of the cable to clamp the armour layer between the clamping portion and a clamping member of the clamping device when the clamping member is arranged outwardly of the clamping portion. At least part of the clamping portion is displaceable inwards as a result of engagement of the clamping portion with the armour layer clamped between the clamping portion and the clamping member.



21: 2022/07847. 22: 2022/07/14. 43: 2023/11/01

51: C21C; F27D

71: VESUVIUS REFRATARIOS LTDA.

72: LOPES, JOÃO ALTENIR

33: BR 31: BR202020000580.0 32: 2020-01-10

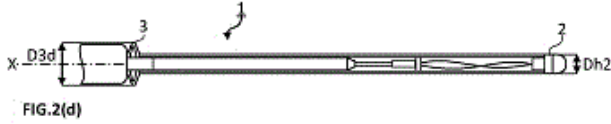
33: BR 31: BR102020000554.5 32: 2020-01-09

54: LANCE FOR USE IN METAL PRODUCTION AND CASTING INSTALLATIONS

00: -

The present invention concerns a lance composed of a top lance (1t) and of a sublance (2) coupled to the top lance (1t), which forms a shoulder (1s) between the top lance and the sublance. The sublance (2) of the present invention is provided with a protective device (3) comprising a coupling end (2c) opening to the cavity (2v), wherein, • when at rest, the protective device (3) is in an initial configuration characterized by an outer maximum diameter (D3o) which is not more than 10% larger than the diameter (D2) of sublance (2) ($D3o \leq 1.1 D2$), • when the sublance (2) is coupled to the lance the protective device (3) contacts the shoulder (1s) and is deformed into a deformed configuration, forming a surface impervious to molten metal and

slag, which spans over a whole area of the shoulder (1s).



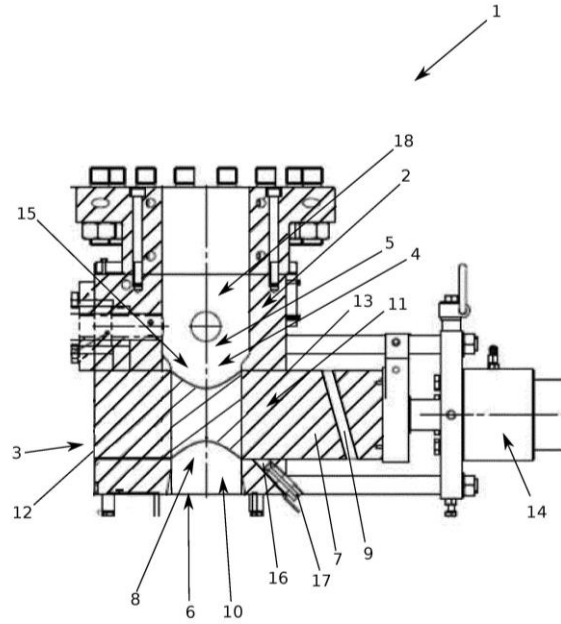
21: 2022/07858. 22: 2022/07/14. 43: 2023/11/09
51: B29C

71: Aurotec GmbH, Nordson Corporation
72: HERMANN, Helmut, WÖSTMANN, Stefan,
LONGIN, Michael, ZIKELI, Stefan
33: EP(AT) 31: 20152893.2 32: 2020-01-21

54: VALVE

00: -

The invention relates to a valve (1) comprising a valve housing (2) and a blocking element (3), wherein the valve housing (2) has a hollow space (4) for receiving the blocking element (3), an inlet opening (5) for allowing a fluid to flow into the hollow space (4) and an outlet opening (6) for allowing the fluid to flow out of the hollow space (4), wherein the blocking element (3) has a guide body (7) and is arranged linearly moveably and at least partially in the hollow space (4) of the valve housing (2) between the inlet opening (5) and the outlet opening (6), wherein the blocking element (3) has at least one opening (8) for allowing the fluid to flow from the inlet opening (5) to the outlet opening (6) via the opening (8).



21: 2022/08027. 22: 2022/07/19. 43: 2023/11/06
51: E02F

71: CATERPILLAR INC.

72: EVERY, JOSEPH J, FREDERICK, THERAN D,
ELKURDI, MOZAMEL, HAWS, MICHAEL W
33: US 31: 16/749,542 32: 2020-01-22

54: RETENTION SYSTEM FOR A LINE ON A SPOOL

00: -

A retention system for a line on a spool is disclosed. The retention system may include a base component that includes a retention receiving element within a line-side surface of the base component. The retention system may include a line engagement component that includes an engagement surface, wherein the engagement surface includes a portion that is perpendicular to the base component to engage a line, wherein the engagement surface abuts the line-side surface. The retention system may include a removable retention component that is configured to retain the line between the engagement surface and the removable retention component when the removable retention component is installed within the retention receiving element.

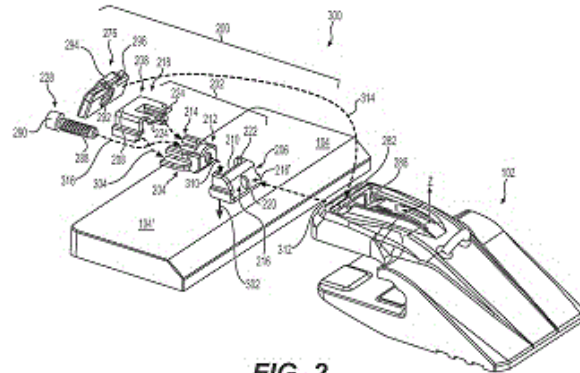
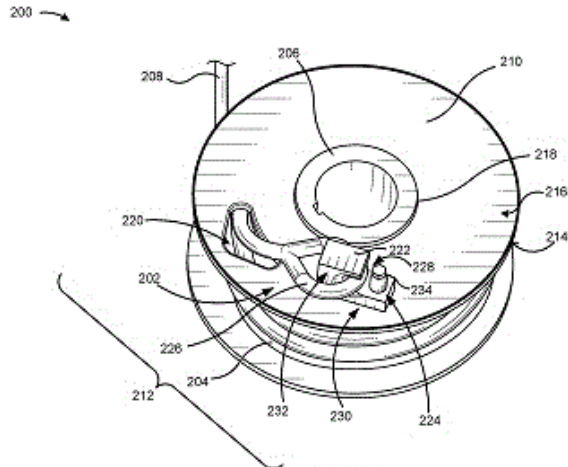


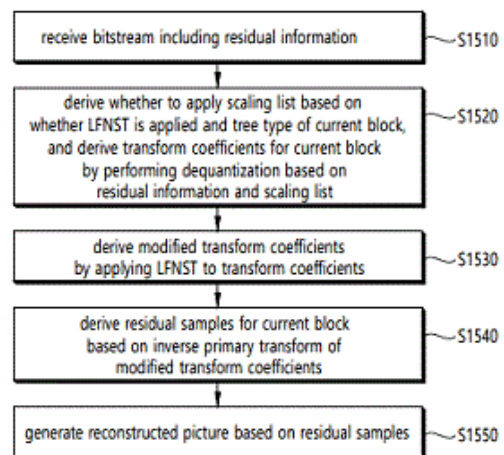
FIG. 2

21: 2022/08030. 22: 2022/07/19. 43: 2023/11/06
 51: E02F
 71: CATERPILLAR INC.
 72: BJERKE, NATHAN R
 33: US 31: 16/750,092 32: 2020-01-23
54: BOLT RETENTION ASSEMBLY WITH EXTENDED TRAVEL FOR A WORK TOOL

00: -
 A bolt retention assembly (200) defines a horizontal direction (X direction), a vertical direction (Z direction), and a lateral direction (Y direction) that is perpendicular to the vertical direction (Z direction) and the horizontal direction (X direction). The bolt retention assembly (200) includes an adapter (202) including a forward abutment portion (206) and a rearward horizontally oriented saddle portion (208). The adapter (202) may also define an interior aperture (210). The bolt retention assembly (200) further includes a slide (204) including a forward threaded portion (212) configured to fit within the interior aperture (210) of the adapter (202), and a rearward horizontally oriented pronged portion (214) configured to pass through the rearward horizontally oriented saddle portion (208) of the adapter (202).

21: 2022/08032. 22: 2022/07/19. 43: 2023/11/20
 51: H04N
 71: LG ELECTRONICS INC.
 72: KOO, MOONMO, KIM, SEUNGHWAN, LIM, JAEHYUN
 33: US 31: 62/959,815 32: 2020-01-10
54: TRANSFORM-BASED IMAGE CODING METHOD AND DEVICE THEREFOR

00: -
 An image decoding method according to the present document comprises the steps of: receiving residual information from a bitstream; deriving transform coefficients for a current block by performing inverse quantization on the basis of the residual information; and deriving modified transform coefficients by applying LFNST to the transform coefficients, wherein the inverse quantization is performed on the basis of a predetermined scaling list, and wherein whether to apply the scaling list can be derived on the basis of whether the LFNST is applied and a tree type of the current block.



21: 2022/08038. 22: 2022/07/19. 43: 2023/11/01

51: B65B; B31B; B65D

71: PACKABLE B.V.

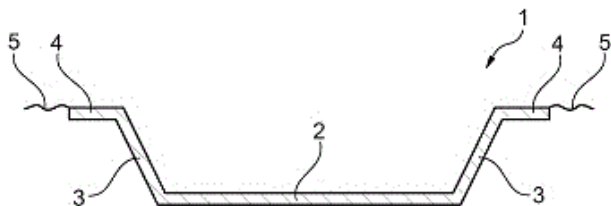
72: ZWAGA, RONALD

33: EP 31: 20152305.7 32: 2020-01-16

54: METHOD FOR TOP SEALING A CARDBOARD TRAY LINED WITH A PLASTIC FOIL AND CARDBOARD TRAY THEREFOR

00: -

A method for top sealing a cardboard tray lined with a plastic foil is disclosed, which method comprises the steps of: • - providing a cardboard tray having a bottom, upstanding walls arranged along the periphery of the bottom and a horizontal flange arranged along the upper edges of the upstanding walls, wherein the inside of the cardboard tray is lined with a plastic foil, which plastic foil extends at least onto the horizontal flange; • - arranging the cardboard tray in a lower sealing tool member having a compressible support edge, wherein at least the horizontal flange is supported by the compressible support edge of the lower sealing tool member; • - arranging a cover foil over the cardboard tray arranged in the lower sealing tool member to cover the opening of the tray defined by the upper edges of the upstanding walls; • - pressing a heated upper sealing tool member onto the lower sealing tool member, wherein the cover foil, the plastic foil liner and the horizontal flange are pressed together to seal the cover foil onto the plastic foil liner along the horizontal flange wherein, in view of the pressing direction, the overlapping area of the plastic foil liner, the cover foil and the compressible support edge extends at least partially outside of the area of the horizontal flange.



21: 2022/08083. 22: 2022/07/20. 43: 2023/11/06

51: B62D

71: CATERPILLAR INC.

72: PREST, PAUL

33: US 31: 16/751,533 32: 2020-01-24

54: TRACK SHOE WITH WEAR RESISTANT GROUSER

00: -

A track shoe assembly (200, 200', 200'') includes a pad portion (210, 210'), and a grouser (202, 202') that extends from the pad portion (210, 210') along a direction (216, 216') that is perpendicular to the pad portion (210, 210'), terminating at a free end (212, 212'). A first cap (214, 214a) is attached to the grouser (202, 202'), at least partially covering the free end (212, 212') of the grouser (202, 202'). The first cap (214, 214a) is made from a wear resistant material such as a white iron material or a carbide material.

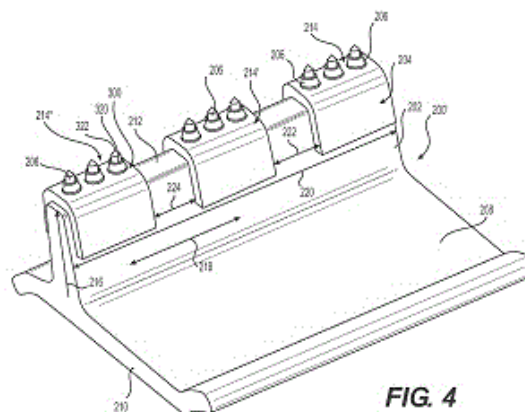


FIG. 4

21: 2022/08089. 22: 2022/07/20. 43: 2023/11/14

51: A61P C07D A61K

71: TECNIMEDE- SOCIEDADE TÉCNICO-MEDICINAL, SA

72: PARDAL FILIPE, Augusto, Eugénio, DA COSTA PEREIRA ROSA, Carla, Patrícia, CORDEIRO SIMÕES, Ana, Vanessa, RAMOS DAMIL, João, Carlos, SILVA SERRA, João, Pedro, ALMEIDA FERREIRA, Ana, Lúcia, GOMES NEVES, Rita, Isabel, MARQUES HOMEM E SOUSA DOS SANTOS, Sara, Alexandra

33: PT 31: 116028 32: 2019-12-27

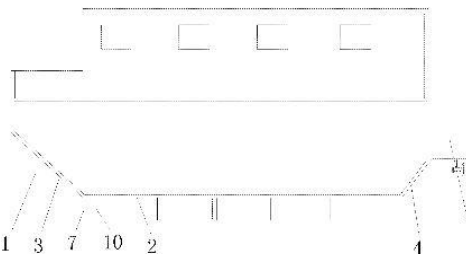
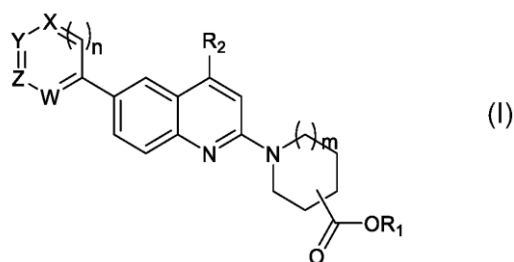
33: PT 31: 116168 32: 2020-03-13

33: EP 31: 20163200.7 32: 2020-03-13

54: ANTIBACTERIAL QUINOLINES

00: -

The present disclosure relates to 6-substituted quinoline-2-piperidine derivatives for use in the treatment and/or prevention of tuberculosis.

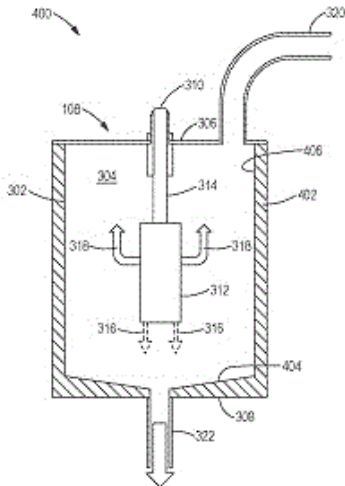


21: 2022/08240. 22: 2022/07/22. 43: 2023/11/09
 51: B63B
 71: TANG, Xuming, CHANG, Qingyun
 72: TANG, Xuming, CHANG, Qingyun, LIU, Anding,
 HE, Xiucai
 33: CN 31: 201910926712.9 32: 2019-09-27
**54: HULL STRUCTURE FACILITATING
 INCREASED SHIP SPEED**
 00: -

A hull structure facilitating increased ship speed. The hull is formed by combining water deflector plates (1) at two sides, a bottom plate (2), a front inclined plate (3), and a rear inclined plate (4). Left and right ends of the water deflector plates (1) extend out passed the front inclined plate (3) and the rear inclined plate (4). A slide rail (5) is provided on a side wall of each water deflector plate (1), and a hydraulic cylinder (6) is provided on an upper end of each water deflector plate (1). A rod of the hydraulic cylinder (6) is rotatably connected to a second water deflector plate (7), and a slide groove (10) is provided on an inner wall of the second water deflector plate (7) and matches the slide rail (5). Second water deflector plates (7) at two sides extend out passed the bottom plate (2), and guide waterflow to flow in between the two water deflector plates (1). The waterflow, after flowing passed the front inclined plate (3) and the rear inclined plate (4), does not tend to expand to the outside of the second water deflector plates (7), thus greatly reducing resultant waves.

21: 2022/08324. 22: 2022/07/26. 43: 2023/11/06
 51: F02M
 71: CATERPILLAR INC.
 72: BEVARD, BRIAN M, SAMSEL, DEREK,
 NATARAJAN, MANIKANDAN, PERKO, JOSHUA,
 ENGFEHR, MATTHEW JORDAN, ZEHRUNG,
 RODERICK S
 33: US 31: 16/777,374 32: 2020-01-30
**54: SEPARATION AND VENTING CRYOGENIC
 LIQUID FROM VAPOR ON A MOBILE MACHINE**
 00: -

In accordance with one aspect of the present disclosure, a mobile machine (102) includes a LNG fuel tank (106) to provide natural gas to a natural gas engine (104), a pressure relief valve (202) to relieve pressure to a relief vent line (204), and a liquid separation device (108). The liquid separation device (108) includes a canister (302) defining an interior space (304) and having a top end (306) and a bottom end (308), a LNG inlet (310) configured to receive mixed phase fluid into the canister from the relief vent line, a separator (312) disposed within the interior space and fluidly connected to the LNG inlet, the separator configured to direct condensed liquid to the bottom end and to pass vapor to the interior space, a vapor outlet (320) disposed on the top end of the canister, and a liquid drain (322) disposed on the bottom end of the canister.



54: YARROWIA SP. VARIANT AND METHOD FOR PREPARING FAT BY USING SAME

00: -
 The present application relates to a Yarrowia sp. variant strain and, more particularly, to: a Yarrowia sp. variant strain in which the activity of phosphatidylethanolamine N-methyltransferase (PEMT) or phospholipid methyltransferase is inactivated; a method for increasing fat in the strain, comprising a step of culturing the strain; or a method for preparing fat.

21: 2022/08400. 22: 2022/07/27. 43: 2023/12/07
 51: E01H

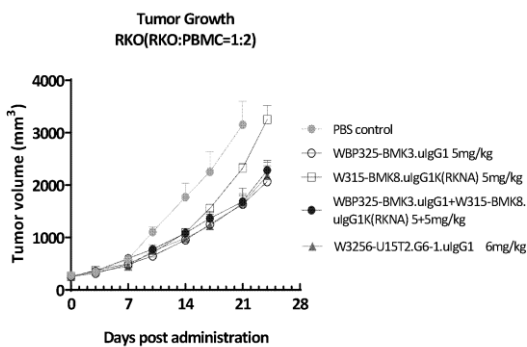
71: AITONOMI AG
 72: SCHOLL, Torsten, SCHOLL, Xenia
 33: GB 31: 2001841.2 32: 2020-02-11

54: VEHICLE, SYSTEM AND METHOD FOR RAILWAY TRACK CLEARING

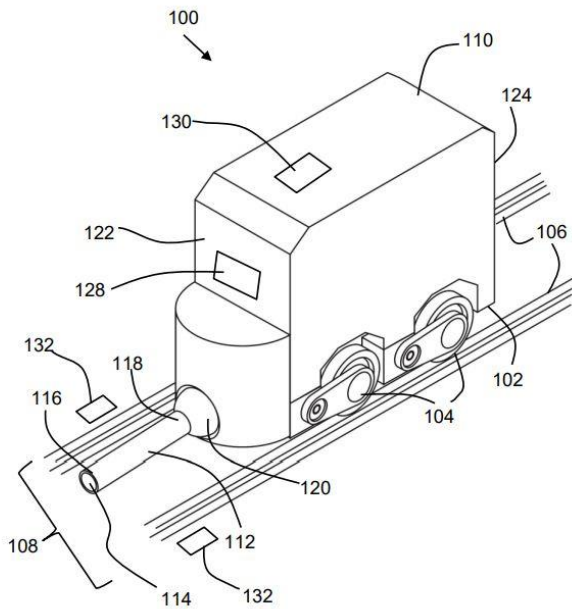
00: -
 A railway track clearing vehicle and associated systems and methods for removing unwanted material from a railway track wherein the vehicle includes: a propulsion mechanism and an autonomous control system for controlled propulsion of the vehicle along the track; an airflow system, configured to provide and direct an airflow through a conduit towards the railway track; and a sensor system configured to provide information relating to unwanted material on an extent of a railway track. The sensor information is applied to provide and direct an airflow to the extent of the railway track to remove sensed unwanted material and to control the propulsion mechanism for travel on the extent of the railway track at a suitable speed according to continual feedback of the sensor information indicating a state of the unwanted material.

21: 2022/08337. 22: 2022/07/26. 43: 2023/12/04
 51: A61K; C07K; C12N; A61P
 71: WUXI BIOLOGICS (SHANGHAI) CO. LTD.
 72: WANG, Zhuozhi, CHEN, Yuning, LI, Dong, LI, Jing
 33: WO 31: PCT/CN2020/073497 32: 2020-01-21
54: A BISPECIFIC ANTI-PD-L1/VEGF ANTIBODY AND USES THEREOF

00: -
 Provided are bispecific anti-VEGF x PD-L1 antibody or antigen-binding portion thereof, methods of producing the bispecific antibody or antigen-binding portion thereof, and methods of treating diseases or conditions using the bispecific antibody or antigen-binding portion thereof.

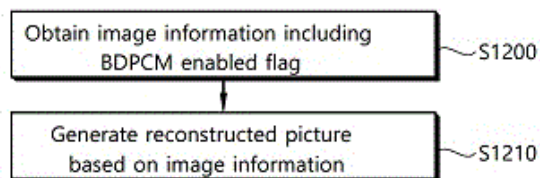


21: 2022/08393. 22: 2022/07/27. 43: 2023/11/13
 51: C12N A61K A23K A23L C12P C12R
 71: CJ CHEILJEDANG CORPORATION
 72: JANG, Jiryang, LEE, Peter, BAE, Jee Yeon, KIM, Ju-yeon, PARK, Hye Min, KIM, Hyung Joon, PARK, Sang Min
 33: KR 31: 10-2020-0029137 32: 2020-03-09



21: 2022/08409. 22: 2022/07/27. 43: 2023/11/01
 51: H04N
 71: LG ELECTRONICS INC.
 72: CHOI, JUNGHA, YOO, SUNMI, LIM, JAEHYUN,
 CHOI, JANGWON, KIM, SEUNGHWAN
 33: US 31: 62/959,760 32: 2020-01-10
**54: IMAGE DECODING METHOD AND DEVICE
 FOR SAME**

00: -
 An image decoding method performed by a decoding device according to the present document is characterized by comprising the steps of: acquiring image information including a block-based delta pulse code modulation (BDPCM) available flag; and generating a reconstructed picture on the basis of the image information, wherein the BDPCM available flag relates to whether BDPCM is available for chroma and luma blocks.



21: 2022/08410. 22: 2022/07/27. 43: 2023/11/01
 51: A61K; A61Q
 71: UNILEVER GLOBAL IP LIMITED
 72: CHRISTY, ERNEST, DASGUPTA, ANINDYA,
 KUMARAN, SRIKALA, SALGAONKAR, NEHA

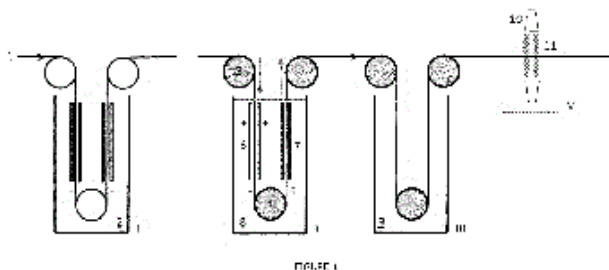
33: EP 31: 20159305.0 32: 2020-02-25
**54: USE OF A COMBINATION OF A
 SACCHARIDE AND GLYCEROL FOR PREBIOTIC
 BENEFITS**

00: -
 The present invention relates to use of a combination of a saccharide and glycerol for protection of skin against undesirable bacteria. The present invention is especially useful in formulating compositions which act as prebiotics by skin commensal bacteria like *S. epidermidis* to produce metabolites like lactic acid which by way of the present invention has been shown to inhibit growth of undesirable bacteria like *E. Coli*, *S. Aureus* among others. The present invention is especially useful as it provides protection both in the short term i.e. rapidly as well as in the long-lasting (or sustained manner).

21: 2022/08411. 22: 2022/07/27. 43: 2023/11/03
 51: C25D
 71: TATA STEEL IJMUIDEN B.V.
 72: STEEGH, MICHEL, PENNING, JAN PAUL,
 LITZ, MARK WILLEM
 33: EP 31: 20163185.0 32: 2020-03-13
 33: EP 31: 20168114.5 32: 2020-04-04
 33: EP 31: 20164228.7 32: 2020-03-19

**54: METHOD FOR PASSIVATING A TINPLATE
 STRIP AND APPARATUS FOR PRODUCING SAID
 PASSIVATED TINPLATE STRIP**

00: -
 This invention relates to a method for passivating a tinplate strip after electrodepositing the tin layer or tin layers, or after an optional flow-melting of the electrodeposited tin layer or tin layers, and an apparatus for producing said passivated tinplate strip.



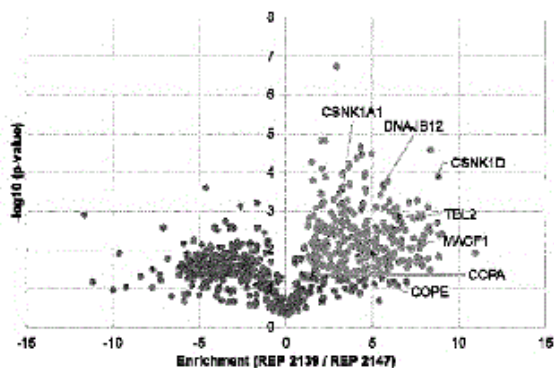
21: 2022/08412. 22: 2022/07/27. 43: 2023/11/01
 51: A61K; A61P; C12N
 71: REPLICOR INC.

72: VAILLANT, ANDREW, BOULON, RICHARD, BLANCHET, MATTHIEU, LABONTE, PATRICK
 33: US 31: 62/979,442 32: 2020-02-21

54: METHODS AND COMPOSITIONS FOR THE INHIBITION OF HEPATITIS B AND HEPATITIS D VIRUS INFECTIONS

00: -

The present disclosure relates to methods for the inhibition of proteins involved in the assembly and or secretion of HBV SVP by inhibiting the activity of casein kinase 1 isoform delta, DNAJB12, and/or microtubule-actin crosslinking factor 1.



21: 2022/08461. 22: 2022/07/28. 43: 2023/11/06
 51: C07D; A01N

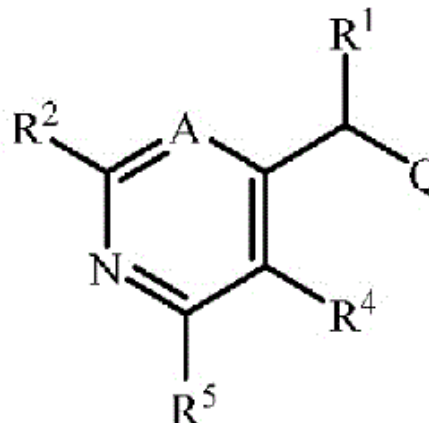
71: FMC CORPORATION

72: AHMAD, OMAR KHALED, BRIDDELL, TWYLA A, CHAN, DOMINIC MING-TAK, CHEN, YUZHONG, HAMM, JASON CHARLES, KAR, MOUMITA, PAHUTSKI, THOMAS FRANCIS JR, STEVENSON, THOMAS MARTIN, XU, MING, SLACK, RACHEL
 33: US 31: 62/967,838 32: 2020-01-30

54: PYRIDINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS

00: -

Disclosed are compounds of Formula (1), including all geometric and stereoisomers, *N*-oxides, and salts thereof, wherein R¹, A, R², R⁴, R⁵ and Q are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the disclosure.



(1)

21: 2022/08462. 22: 2022/07/28. 43: 2023/11/01
 51: D01D; D04H; D01F

71: KIMBERLY-CLARK WORLDWIDE, INC.

72: LENNON, ERIC E, HAYNES, BRYAN D, HONARBAKHS, SARA, BARNES, CRAIG A, PALZEWICZ, DAVE A

33: US 31: PCT/US2020/013143 32: 2020-01-10

54: METHOD OF MAKING UNIFORM SPUNBOND FILAMENT NONWOVEN WEBS

00: -

A method of making nonwoven webs comprising providing a spinneret including a pattern of conduits forming an extrusion region; directing only a first stream of molten propylene polymer into a region adjacent the first side of the spinneret, directing only a second stream of molten propylene polymer into a region distal to the first side of the spinneret, extruding only the first stream propylene polymer through the exit openings in a first zone where the exit opening comprises exit ports in the first zone having a first density; extruding only the second stream propylene polymer through the exit openings of a second zone where the exit opening comprises exit ports in the second zone having a second density less than the first density; and the second zone is distal to the first side with the first zone being between the second zone and the first side.

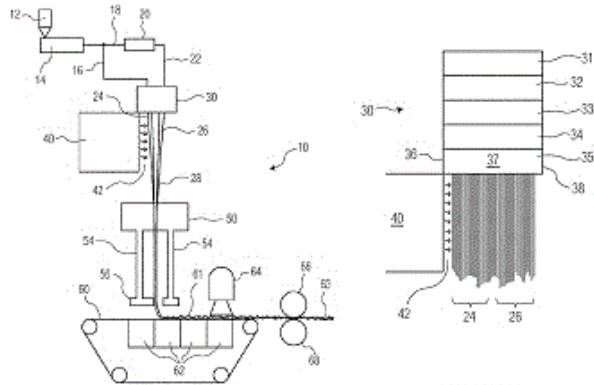
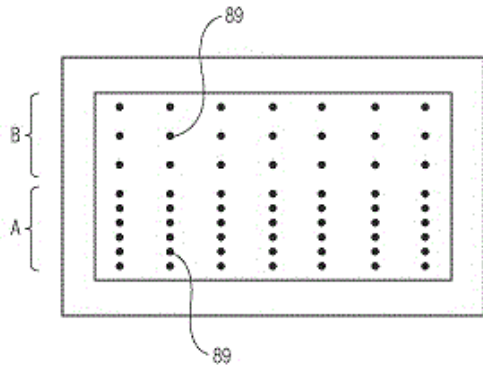


FIG. 1A

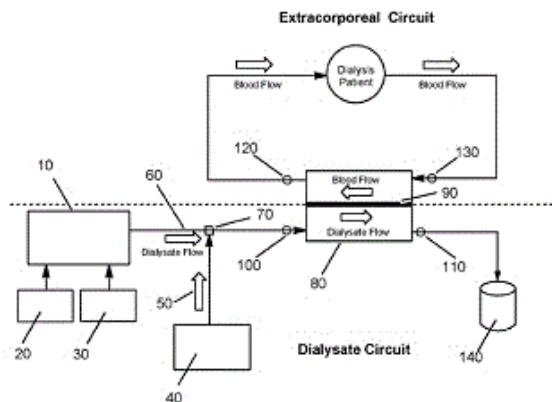
FIG. 1B

21: 2022/08463. 22: 2022/07/28. 43: 2023/11/03
 51: D01D; D04H; D01F
 71: KIMBERLY-CLARK WORLDWIDE, INC.
 72: CONRAD, JOHN H, BOUCHARD, ISABELLE R,
 LAKE, MATTHEW B, LENNON, ERIC E
**54: METHOD OF MAKING UNIFORM SPUNBOND
 FILAMENT NONWOVEN WEBS**

00: -
 A method of making nonwoven webs comprising providing a spinneret wherein the spinneret includes a pattern of conduits, the pattern of conduits forming an extrusion region; directing only a first stream of molten propylene polymer having a first temperature into a region adjacent of the first side of the spinneret, directing only a second stream of molten propylene polymer having a second temperature into a region distal to the first side of the spinneret, extruding only the first stream of molten propylene polymer through the exit openings in a first zone; extruding only the second stream of molten propylene polymer through the exit openings of a second zone; the second zone is distal to the first side with the first zone being between the second zone and the first side.

21: 2022/08504. 22: 2022/07/29. 43: 2023/11/06
 51: A61K; A61P
 71: HOPE MEDICAL ENTERPRISES, INC. DBA HOPE PHARMACEUTICALS
 72: SHERMAN, CRAIG
 33: US 31: 62/468,857 32: 2017-03-08
54: INTRADIALYTIC USE OF SODIUM NITRITE

00: -
 Provided herein are methods for maintaining physiological levels of nitrite in a subject undergoing hemodialysis. Also provided herein are methods of administering pharmaceutically acceptable sodium nitrite to a subject undergoing hemodialysis.



21: 2022/08521. 22: 2022/07/29. 43: 2023/11/01
 51: A01N; A01P
 71: KIMITEC BIOGROUP, S.L.
 72: GARCIA MORENO, FÉLIX, REMESAL GONZÁLEZ, EFRÉN, JULIO TORRES, LUIS FERNANDO, SANTANA MÉRIDAS, OMAR, MARTÍN BEJERANO, MARÍA, GIMÉNEZ GARCÍA, SALVADOR

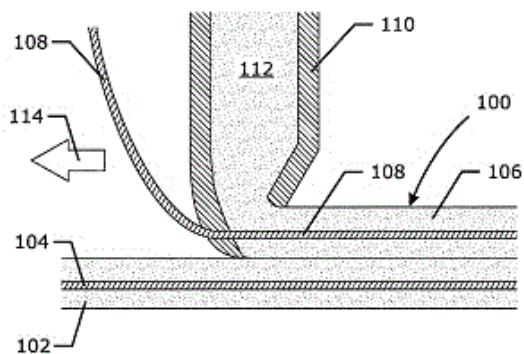
54: BIOPESTICIDE COMPOSITIONS COMPRISING PLANT EXTRACTS AND PHYTOSANITARY USE THEREOF

00: -
A biopesticide composition comprising a synergistic bioactive core consisting of: essential oil, oleoresin, aqueous, alcoholic or hydroalcoholic extract of root or rhizomes of Zingiber officinale Roscoe and cinnamaldehyde or source of cinnamaldehyde. Said composition may contain at least one secondary component and/or inert substances. The present invention also relates to the method for obtaining it, as well as the use thereof in agriculture, parks and sports facilities against pests belonging to the whitefly group.

21: 2022/08524. 22: 2022/07/29. 43: 2023/11/01
51: B32B; B28B; B33Y; C04B; E04C; E04G
71: NV BEKAERT SA
72: GOUWY, MATTHIAS, HOEKSTRA, ANNE
33: EP 31: 20160827.0 32: 2020-03-04

54: 3D CONCRETE PRINTING WITH DUCTILE CORDS

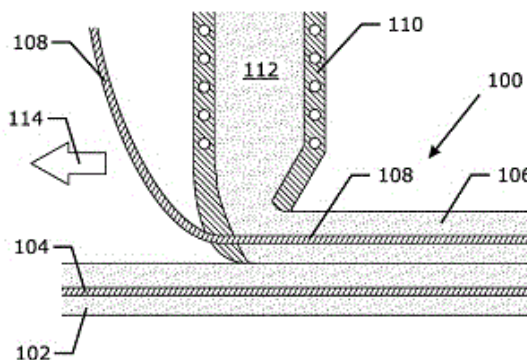
00: -
A concrete construction (100) made by 3D concrete printing comprises: - two or more layers (102, 106) of cementitious material extruded one above the other, and - at least one elongated steel element (104) reinforcing at least one of the layers (102, 106). The elongated steel element (104) has an elastic and plastic elongation at break that exceeds 4 %. The high elongation of the elongated steel element gives an increased ductility to the concrete structure (100).



21: 2022/08526. 22: 2022/07/29. 43: 2023/11/03
51: B32B; B28B; B33Y; C04B; E04C; E04G
71: NV BEKAERT SA
72: GOUWY, MATTHIAS, MESTDAGH, JAN
33: EP 31: 20160825.4 32: 2020-03-04

54: 3D CONCRETE PRINTING WITH WELL ANCHORING CORDS

00: -
A concrete construction (100) made by 3D concrete printing comprises: - two or more layers (102, 106) of cementitious material extruded one above the other, and - at least one elongated steel element (104, 108) reinforcing at least one of the two or more layers. The elongated steel element (104, 108) is provided with a first crimp. Due to the crimp, a good anchorage in concrete is obtained and the anchorage force is predictable, since the standard deviation of the anchorage force is very small. The elongated steel element can be a single steel wire with a diameter D, the amplitude of the crimp ranges from 1.05xD to 5.0xD. The elongated steel element can also be a steel with steel filaments having a maximum diameter d. The amplitude of the crimp ranges from 1.05xd to 5.0xd.



21: 2022/08541. 22: 2022/07/29. 43: 2023/12/04
51: C07D
71: STINGRAY THERAPEUTICS, INC.
72: KASIBHATLA, Srinivas Rao, KALAKUNTLA, Raman Kumar, WESTON, Alexis, THODE, Trason, SHARMA, Sunil, KAADIGE, Mohan Rao
33: US 31: 62/970,138 32: 2020-02-04

54: INHIBITORS OF ECTONUCLEOTIDE PYROPHOSPHATASE/PHOSPHODIESTERASE 1 (ENPP1) AND METHODS OF USE THEREOF

00: -
Compounds and methods for their preparation and use as therapeutic or prophylactic agents, for example for treatment of cancer, bacterial or viral diseases by targeting Ectonucleotide Pyrophosphatase/Phosphodiesterase-1 (ENPP1).

21: 2022/08590. 22: 2022/08/01. 43: 2023/11/01

51: F24F
 71: LOCUS BONUM AB
 72: FJAESTAD, ADAM
 33: SE 31: 2050061-7 32: 2020-01-23
54: A METHOD FOR COOLING OF A USER SPACE AND AIR CONDITIONING ARRANGEMENT

00: -
 The invention relates to a method and an air condition arrangement for cooling of a user space, comprising the steps of providing an air condition arrangement (1) including a cooling media producing heat exchanger loop (10) having a low pressure tubing (106) in operational connection with a cooling media (31), which cooling media (31) includes water/ice, and having a high pressure tubing (103) in operational connection with a compressor (101) and a condenser (101) and said air condition arrangement further including a air cooling heat exchanger (2) including a cooling media storage member (20) and a flow channel (805, 806, 808) in operational connection with said cooling media (31), to enable inlet flow (801) via at least one inlet (803) of surrounding air into said air condition arrangement (1) to produce a cooled air flow (802) out from said air condition arrangement (1) via at least one outlet (804) during inactivity of said cooling media producing heat exchanger loop (10) and to intermittently produce ice in said cooling media (31) by means of said cooling media producing heat exchanger loop (10), wherein said air condition arrangement (1) provided in a, preferably movable, wall shaped housing (11) and passing inlet air (801) into a downwardly extending path (805) of said flow channel (805, 806, 808).

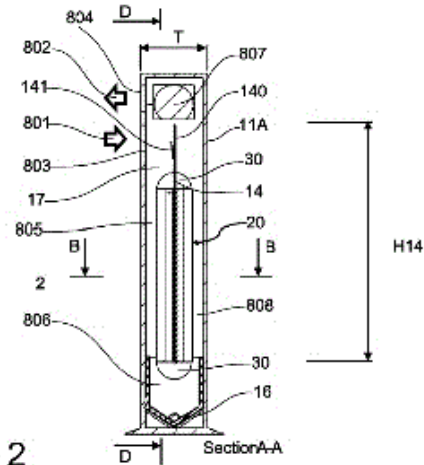
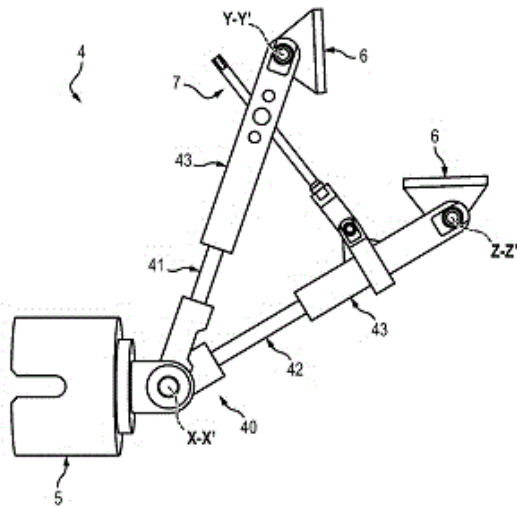


Fig. 2

21: 2022/08592. 22: 2022/08/01. 43: 2023/11/01
 51: F16K; G01M
 71: ELECTRICITE DE FRANCE
 72: FRENEAU, CORALIE, HOUSSAY, FABIEN, DANTIC, MAURICE
 33: FR 31: FR2000946 32: 2020-01-31
54: HOLDING DEVICE FOR A NON-RETURN VALVE FLAP AND METHOD FOR POSITIONING SAME

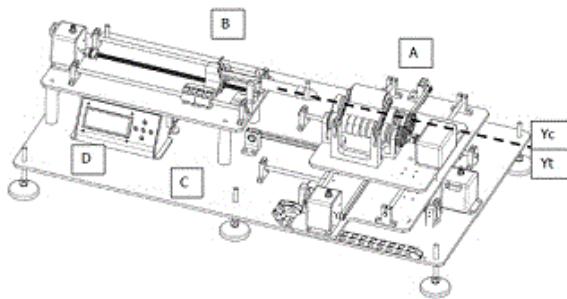
00: -
 The invention relates in particular to a device (4) for holding a flap (2) of a non-return valve (1) in a closed position, with a view to carrying out hydraulic testing of a device or apparatus, characterised in that it comprises a body (40) which takes the form of a caliper with two arms (41, 42) that are articulated relative to each other, at a first of the two opposite ends thereof, about a first axis (X-X'), in that it comprises a holder (5) articulated about the first axis (X-X') and in that the two arms (41, 42) each comprise, at the second end thereof, a pad (6) pivoting about axes (Y-Y'; Z-Z') that are parallel to the first axis (X-X').

FIG. 3



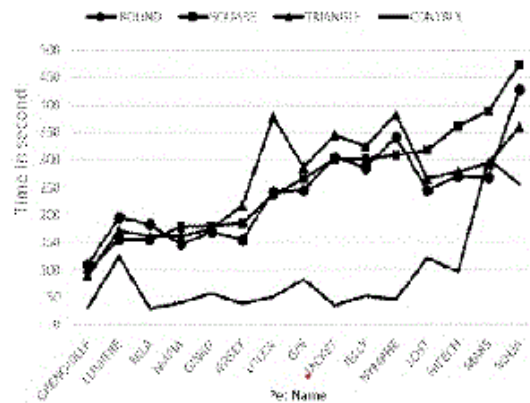
21: 2022/08594. 22: 2022/08/01. 43: 2023/11/01
 51: F42B; F42C; C06C; B05D
 71: EURENCO
 72: CHAUTAR, BASTIEN, LOYER, JULIEN, CUVELIER, SÉBASTIEN
 33: FR 31: FR2000429 32: 2020-01-17
54: DEVICE FOR LAYING PASTE PATTERNS IN A TUBE

00: -
 The invention relates to a device for laying paste patterns on the surface of the channel of a tube, the device comprising a frame supporting a first mechanical assembly A for holding, positioning and moving the tube, and a second mechanical assembly B for extruding paste for laying said paste patterns, wherein the assemblies A and B cooperate with one another.



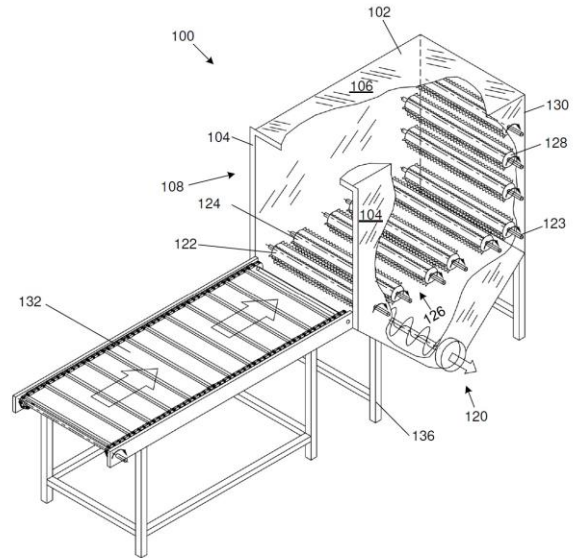
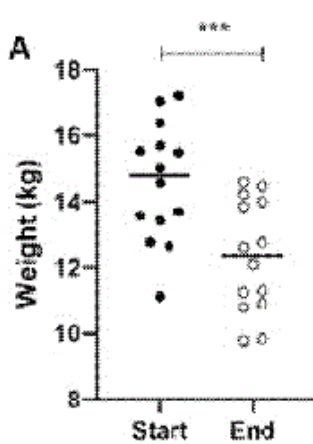
21: 2022/08595. 22: 2022/08/01. 43: 2023/11/01
 51: A23K
 71: MARS, INCORPORATED
 72: TRASSY, LAURA, BRECIN, KARINE
 33: EP 31: 20305127.1 32: 2020-02-10
54: EXPANDED DRY PRODUCT FOR IMPROVING THE DENTAL HYGIENE OF A PET

00: -
 The present disclosure relates to a low-density dry food composition having a penetration rate of at least about 30% and comprising at least, by weight relative to the total weight of said composition: a. a protein source in an amount ranging from about 15% to about 30%, b. fat in an amount ranging from about 5% to about 15%, c. starch in an amount ranging from about 35% to about 65% and d. a total dietary fibers source in an amount ranging from about 3% to about 12%. The disclosure also relates to methods of use for improving oral hygiene, and methods for manufacturing said disclosure.



21: 2022/08596. 22: 2022/08/01. 43: 2023/11/01
 51: A23K
 71: MARS, INCORPORATED
 72: TRASSY, LAURA, DOUBLI-BOUNOUA, NADIA
 33: EP 31: 20305125.5 32: 2020-02-10
54: EXPANDED DRY PRODUCT FOR CALORIC RESTRICTION AND SATIETOGENIC EFFECT, USES AND PROCESS FOR MANUFACTURE THEREOF

00: -
 The present disclosure relates to a dry food composition having a caloric density ranging from about 500 kcal/L to about 900 kcal/L and including, at least, by weight relative to the total weight of said composition: a. protein in an amount ranging from about 20% to about 36%, b. total dietary fibers in an amount ranging from about 15% to about 30%, and c. starch in an amount ranging from about 15% to about 32%. The disclosure also relates to methods of use for managing weight and food intake using the disclosed compositions, and methods for manufacturing said composition.



21: 2022/08659. 22: 2022/08/03. 43: 2023/11/14

51: A01F

71: ROASTECH CC

72: TESELING, Frederick Willem

33: ZA 31: 2021/02962 32: 2021-05-03

54: A BALE PROCESSING APPARATUS

00: -

A bale processing apparatus is provided including a body defining a chamber for receiving a bale of baled material. The body has an inlet and an outlet disposed at a bottom of the chamber, and a shredding mechanism disposed above the outlet. The shredding mechanism includes a first set of spaced apart rotating members, and a second set of spaced apart rotating members interposed between the first set of rotating members. Each rotating member includes a plurality of tooth formations projecting radially outwardly from a surface and each rotating member is rotatable about its longitudinal axis in a direction to cause a bale to move from the inlet into the chamber. The second set of rotating members are configured to rotate at a relatively faster speed than the first set of rotating members to shred baled material off a bale.

21: 2022/08680. 22: 2022/08/03. 43: 2023/11/14

51: C07K C12N C12P

71: CJ CHEILJEDANG CORPORATION

72: KWON, Nara, PARK, Sojung, JUNG, Moo Young, KIM, Kyungrim, KIM, Heeyeong, LEE, Jaemin, KIM, Hyun Ah

33: KR 31: 10-2021-0064855 32: 2021-05-20

54: NOVEL PROMOTER AND USE THEREOF

00: -

The present application relates to a novel promoter and a method for producing target materials using the same. More specifically, the present application relates to a novel polynucleotide having promoter activity, a gene expression cassette, and a host cell comprising the same, and a method for producing target materials using the microorganism.

21: 2022/08690. 22: 2022/08/03. 43: 2023/11/01

51: A47C; A47G

71: ASHLEY FURNITURE INDUSTRIES, LLC

72: WAGNER, TRAVIS

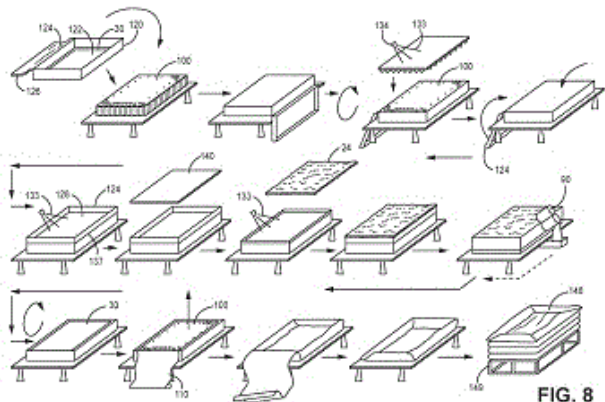
33: US 31: 62/978,288 32: 2020-02-18

54: MATTRESSES, METHODS OF MANUFACTURE AND COMPONENTS

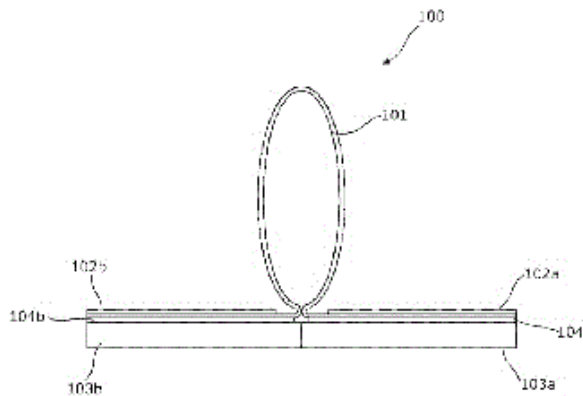
00: -

Mattress coverings are manufactured utilizing conventional equipment and using a dummy mattress core. The mattress coverings include a zippered access on the bottom panel, for example, where the dummy core can be removed after the mattress covering is completed. When shipped to a regional assembly facility the zippered access is utilized for insertion of a select mattress core that

corresponds to the size of the dummy mattress core about which the mattress covering was assembled. The zippered access is zipped shut and the mattress is ready for sale, transport, and use. Great efficiencies are available where the mattress cover is assembled in a first location, shipped to a sale and use location and also regionally close to where mattress cores are manufactured, and the mattress covers are assembled with cores into mattresses.



recess, to seal the gap between the side of the movable ramp and the wall of the recess.



21: 2022/08691. 22: 2022/08/03. 43: 2023/11/01
 51: B65G; A01M; E03F; E06B
 71: RENTOKIL INITIAL 1927 PLC
 72: WINGETT, GARY, BROWN, MARK, SHAND, ROBERT
 33: GB 31: 2001230.8 32: 2020-01-29

54: SEALS FOR DOCK LEVELLING SYSTEMS, METHODS OF SEALING GAPS IN DOCK LEVELLING SYSTEMS, AND METHODS OF ARRANGING SEALS FOR DOCK LEVELLING SYSTEMS FOR STORAGE OR TRANSPORTATION

00: -
 A seal for a dock levelling system comprising a movable ramp arranged within a recess. The seal is for sealing a gap between a side of the movable ramp and a wall of the recess, and comprising a flexible strip formed of a flexible material, and on each longitudinal edge of the flexible strip, an attachment strip for attaching the flexible strip to the side of the movable ramp. The seal is arranged so that when the attachment strips are attached adjacently to each other to the side of the movable ramp, the material of the flexible strip between the attachment strips forms a closed loop extending out from the side of the movable ramp to the wall of the

21: 2022/08763. 22: 2022/08/04. 43: 2023/12/07
 51: A61K; A61P
 71: VERONA PHARMA PLC
 72: SPARGO, Peter Lionel, HAYWOOD, Phillip Andrew, FRENCH, Edward James
 33: GB 31: 2002786.8 32: 2020-02-27
54: LIQUID PHARMACEUTICAL COMPOSITION COMPRISING ENSIFENTRINE AND GLYCOPYRROLATE

00: -
 The present invention relates to a liquid pharmaceutical composition suitable for administration by inhalation comprising: (i) ensifentrine particles; (ii) glycopyrrolate; and (iii) a diluent, which diluent comprises water, wherein: the glycopyrrolate is dissolved in the diluent; the concentration of glycopyrrolate is less than or equal to 5.0 mg/mL; and the pH of the liquid pharmaceutical composition is from 3.0 to 6.0. The invention also relates to a nebuliser comprising the liquid pharmaceutical composition.

21: 2022/08765. 22: 2022/08/03. 43: 2023/11/13
 51: C11D
 71: UNILEVER GLOBAL IP LIMITED
 72: NURANI, SEETHARAM PADMANABHAN, PINGLE, YOGITA AJAY, SALUNKHE, PRADEEP, SINHA, ARCHANA, SRIVASTAVA, NITYA, VERMA, NEETU
 33: EP 31: 20170764.3 32: 2020-04-22
 33: IN 31: 202021010283 32: 2020-03-11
54: LOW FOAMING SOLID CLEANING COMPOSITION
 00: -

The present invention is in the field of solid cleaning composition having good cleaning characteristics in the main wash, yet significant foam reduction during rinse. It is an object of the invention to provide total foam reduction during the first rinse. It has been found that this object is achieved in cleaning processes by a solid cleaning composition comprising specific anionic surfactant, water soluble alkyl carboxylate salt of C₈ to C₁₈ fatty acid and a nonionic surfactant and where the solid cleaning composition has a carbonate builder.

21: 2022/08783. 22: 2022/08/05. 43: 2023/11/13
51: C07D; A61K; A61P

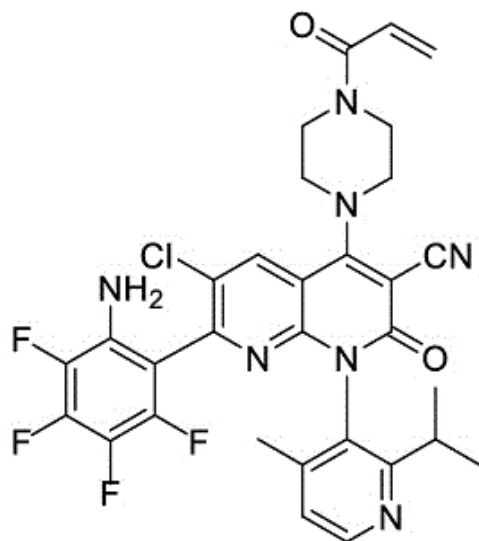
71: JACOBIO PHARMACEUTICALS CO., LTD.
72: LI, AMIN, LI, SUJING, WANG, PENG, DANG, CHAOJIE, LIU, DAN

33: CN 31: PCT/CN2019/126687 32: 2019-12-19
33: CN 31: PCT/CN2020/073723 32: 2020-01-22
33: CN 31: PCT/CN2020/070885 32: 2020-01-08
33: CN 31: PCT/CN2020/078565 32: 2020-03-10

54: KRAS MUTANT PROTEIN INHIBITORS

00: -

The invention relates to a KRAS mutant protein inhibitor, more specifically the compounds and its pharmaceutically acceptable salt thereof.



21: 2022/08784. 22: 2022/08/05. 43: 2023/11/13
51: H02J

71: AULTON NEW ENERGY AUTOMOTIVE TECHNOLOGY GROUP, SHANGHAI DIANBA NEW ENERGY TECHNOLOGY CO., LTD.

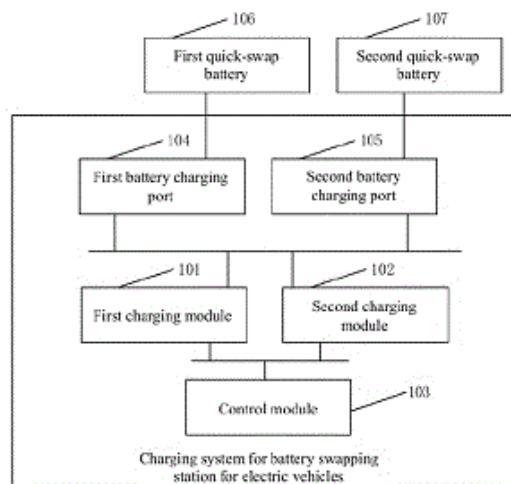
72: ZHANG, JIANPING, LIU, BING, CHEN, ZHIMIN

33: CN 31: 201911370518.3 32: 2019-12-26

54: CHARGING SYSTEM FOR SWAPPING STATION OR ENERGY STORAGE STATION

00: -

A charging system for a battery swapping station. The system comprises a charging module, a battery charging port, an AC energy supply module, an energy storage and supply module ("ESSM"), a monitoring module, a centralized regulation and control module ("CRCM") and a control module. The charging module charges a quick-swap battery. The AC energy supply module is connected to a power grid and the charging module. The monitoring module monitors a current state of the power grid. When the current state is a power consumption valley, the CRCM instructs the control module to control the charging modules to only receive energy output by the power grid, or meanwhile instruct the ESSM to receive energy output by the power grid. When the current state is a power consumption peak, the CRCM instructs the control module to control the power grid to stop outputting energy to the charging modules, and control the ESSM to output energy to the charging modules.



21: 2022/08817. 22: 2022/08/05. 43: 2023/11/03
51: B01J; B01D; C01G

71: NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD.

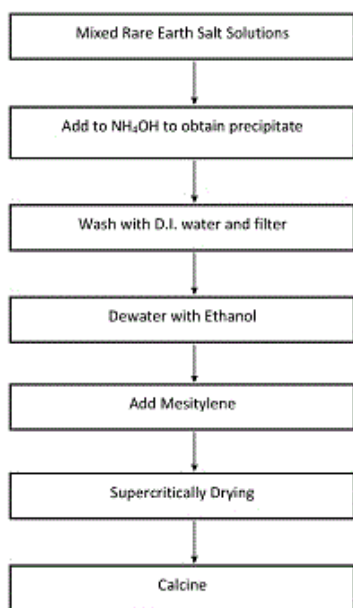
72: HUANG, BARRY, TAN, STEFFI, NG, SZU HWEE

33: US 31: 62/976,927 32: 2020-02-14

54: PROCESS FOR MAKING CERIUM AND ZIRCONIUM CONTAINING COMPOSITIONS

USING MESITYLENE AND COMPOSITION MADE BY SAME

00: - Disclosed herein are catalyst compositions having improved mercury intrusion volume and surface areas and processes for making these compositions. The enhanced compositions disclosed herein contain zirconium, cerium, optionally yttrium, and optionally one or more rare earths other than cerium and yttrium. Further disclosed are processes of producing these compositions involving supercritical drying after addition of mesitylene. The compositions can be used as a catalyst and/or as part of a catalyst system in an automobile exhaust system.



21: 2022/08821. 22: 2022/08/05. 43: 2023/11/01
 51: C03B; C03C
 71: OWENS-BROCKWAY GLASS CONTAINER INC.

72: VEMPATI, UDAYA, PINC, WILLIAM
 33: US 31: 16/788,631 32: 2020-02-12

54: FEED MATERIAL FOR PRODUCING COLORLESS GLASS USING SUBMERGED COMBUSTION MELTING

00: - A method of producing colorless glass using submerged combustion melting involves introducing a vitrifiable feed material (30) into a glass melt (22) contained within a submerged combustion melter (10). The vitrifiable feed material is formulated to provide the glass melt with a glass chemical composition suitable for producing colorless glass

articles. To that end, the glass melt comprises a total iron content expressed as Fe₂O₃ in an amount ranging from 0.04 wt % to 0.06 wt% and also has a redox ratio that ranges from 0.1 to 0.4, and the vitrifiable feed material further includes between 0.008 wt% and 0.016 wt% of selenium or between 0.1 wt% and 0.2 wt% of manganese oxide in order to achieve an appropriate content of selenium or manganese oxide in the glass melt.

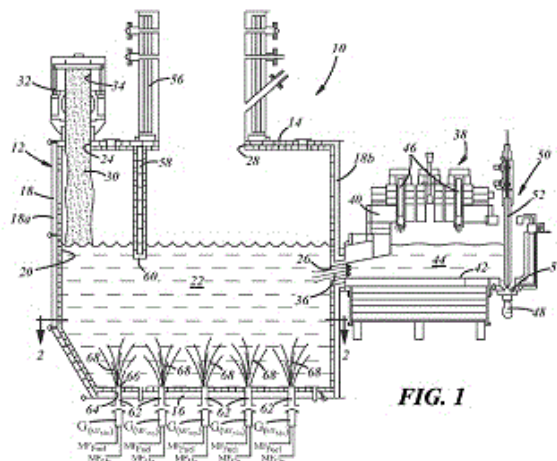


FIG. 1

21: 2022/08822. 22: 2022/08/05. 43: 2023/11/01
 51: C03B; C03C

71: OWENS-BROCKWAY GLASS CONTAINER INC.

72: VEMPATI, UDAYA, PINC, WILLIAM
 33: US 31: 16/788,635 32: 2020-02-12

54: GLASS REDOX CONTROL IN SUBMERGED COMBUSTION MELTING

00: - A method of producing glass using submerged combustion melting is disclosed. The method includes introducing a vitrifiable feed material (30) into a glass melt (22) contained within a submerged combustion melter (10). The glass melt contained in the melter has a redox ratio defined as a ratio of Fe²⁺ to total iron in the glass melt. The method further includes combusting a combustible gas mixture (G) supplied to each of the submerged burners (62) to produce combustion products (68), and discharging the combustion products directly into the glass melt. Still further, the method includes adjusting the redox ratio of the glass melt by controlling one or more operating conditions of the submerged combustion melter selected from (1) an oxygen-to-fuel ratio of the combustible gas mixture

supplied to each of the submerged burners, (2) a residence time of the glass melt, and (3) a gas flux through the glass melt.

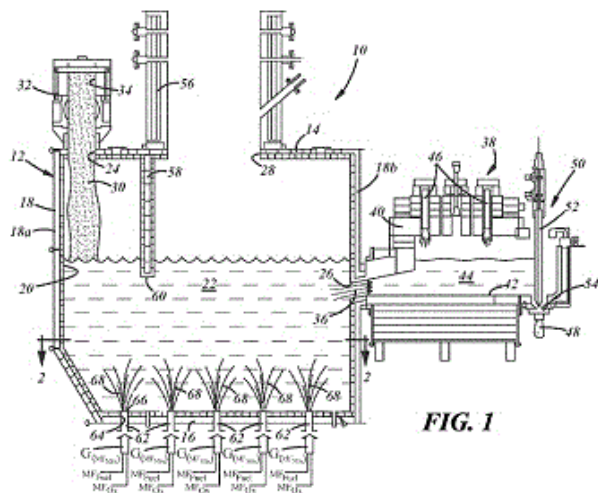
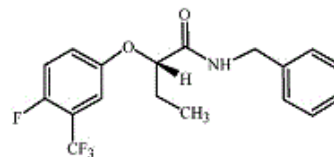
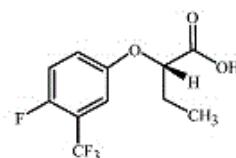


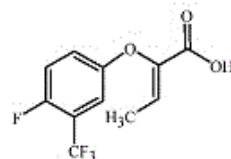
FIG. 1



S-1



S-5



2

21: 2022/08861. 22: 2022/08/08. 43: 2023/11/03

51: C07C; C07B

71: CHEMINOVA A/S

72: SØNDERGAARD, KÅRE

33: US 31: 62/972,779 32: 2020-02-11

54: PROCESS FOR THE SYNTHESIS OF S-BEFLUBUTAMID USING ASYMMETRIC HYDROGENATION

00: -

Disclosed is a method for preparing compound S-1, from compound S-5; wherein compound S-5 is prepared by treating compound 2 with a tertiary amine and a hydrogen source in the presence of a chiral complex.

21: 2022/08864. 22: 2022/08/08. 43: 2023/11/03

51: C07C

71: CHEMINOVA A/S

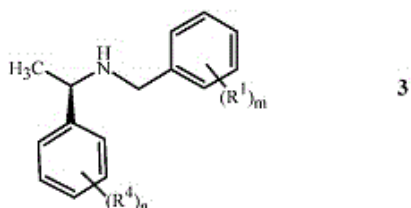
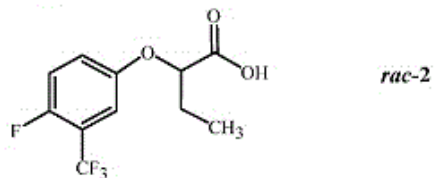
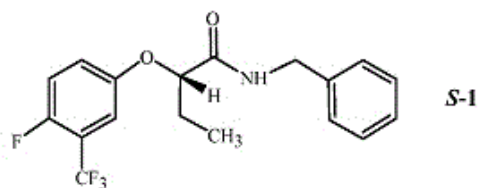
72: DATAR, RAVINDRA V, MAO, JIANHUA, PATEL, SHAILESHKUMAR K

33: US 31: 62/972,795 32: 2020-02-11

54: PREPARATION OF S-BEFLUBUTAMID BY RESOLVING 2-(4-FLUORO-3-(TRIFLUOROMETHYL)PHENOXY)BUTANOIC ACID

00: -

Disclosed is a method for preparing compound Formula S-1, comprising resolving compound Formula *rac*-2 with a compound of Formula 3 wherein R¹ · R⁴, m and n are as defined in the disclosure.



21: 2022/08865. 22: 2022/08/08. 43: 2023/11/03

51: C07C

71: CHEMINOVA A/S

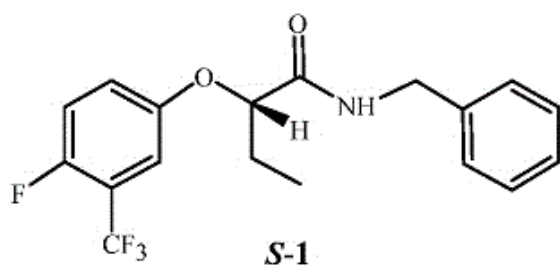
72: DATAR, RAVINDRA V, MAO, JIANHUA

33: US 31: 62/972,802 32: 2020-02-11

54: PROCESS FOR THE SYNTHESIS OF S-BEFLUBUTAMID FROM (R)-2-AMINOBUTANOIC ACID

00: -

Disclosed are methods for preparing compound S-1 (S-1) from (R)-2-bromobutanoic acid prepared by treating (R)-2-aminobutanoic acid with an alkali metal nitrite compound and hydrobromic acid.



21: 2022/08939. 22: 2022/08/10. 43: 2023/11/03

51: E02F

71: CATERPILLAR INC.

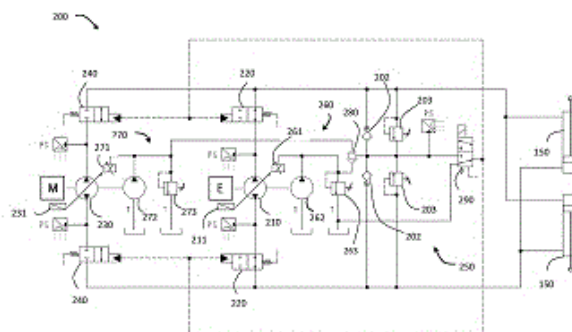
72: MATE, EDWARD WILLIAM

33: US 31: 16/788,998 32: 2020-02-12

54: REDUNDANT STEERING SYSTEM AND MACHINES AND METHODS THEREOF

00: -

A redundant steering system comprises a primary power source; a secondary power source; first and second pumps operatively coupled to the primary and secondary power sources, respectively, to output first and second supplies of hydraulic fluid to a steering cylinder based on operation of the primary and secondary power source, respectively; first and second pairs of selector valves respectively coupled to the first and second pumps; and a charge circuit coupled to respective control inputs of the first and second pairs of selector valves to selectively supply hydraulic fluid to the control inputs of the first and second pairs of selector valves to stop hydraulic fluid from only one of the first pump and the second pump from being provided to the steering cylinder and to provide hydraulic fluid to the steering cylinder from only one of the other of the first pump and the second pump.



21: 2022/08940. 22: 2022/08/10. 43: 2023/11/06

51: E21B; G01V

71: CATERPILLAR GLOBAL MINING LLC

72: DOHERTY, THOMAS FRANK, CLARE, BEN LINCOLN, COLLINS, DARRYL V

33: US 31: 16/791,064 32: 2020-02-14

54: SYSTEM AND METHOD FOR AUTOMATED DRILLING ACTIVITY MONITORING

00: -

A drilling detection system (104) may include a drilling detection circuitry including one or more detection processors (300) configured to receive a vibration signal (124) indicative of vibration associated with a drilling machine (102) configured to drill holes into a substrate (106) and receive a movement signal (126) indicative of movement of the drilling machine (102) relative to one or more positions on the substrate (106). The one or more detection processors (300) may also be configured

to determine, based at least in part on the vibration associated with the drilling machine (102) and the movement associated with the drilling machine (102), the drilling machine (102) has drilled holes into the substrate (106) and a position on the substrate (106) at which the drilling machine (102) has drilled the holes into the substrate (106).

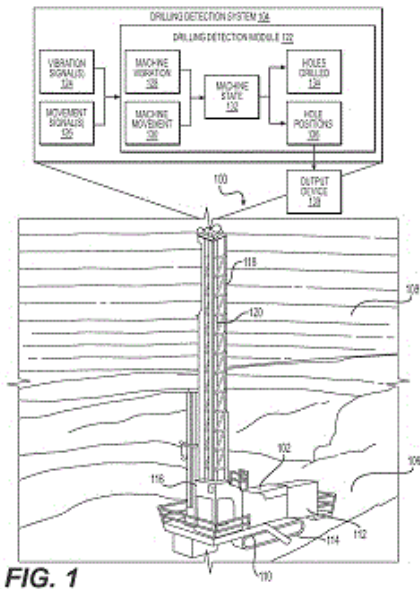
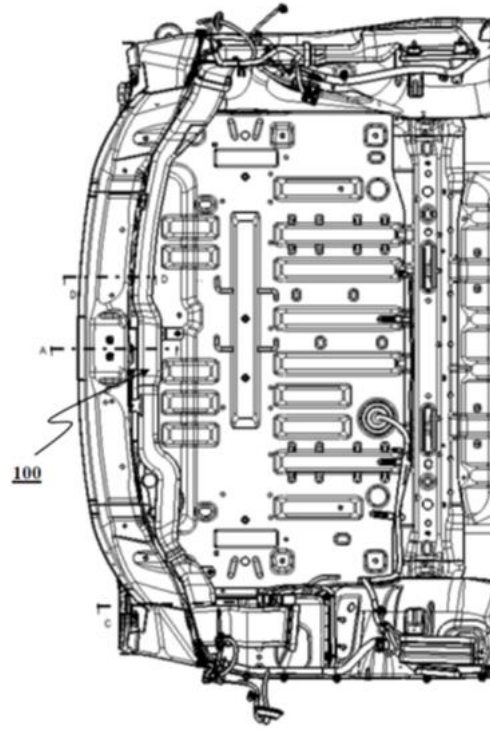


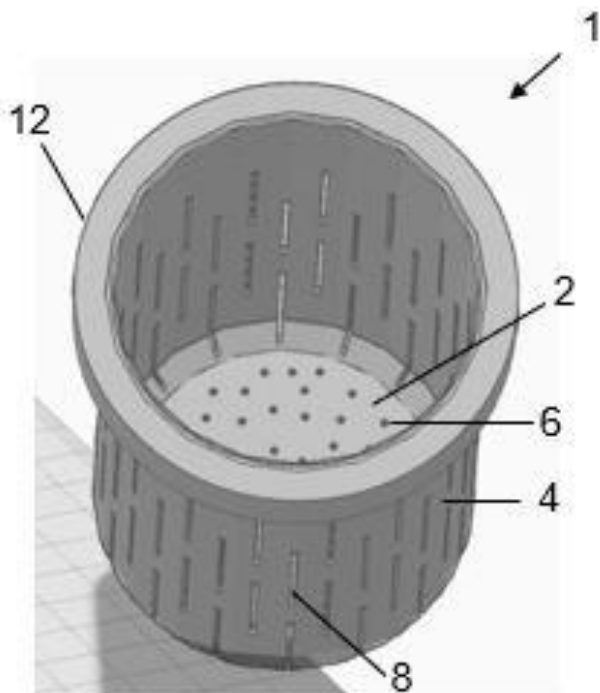
FIG. 1



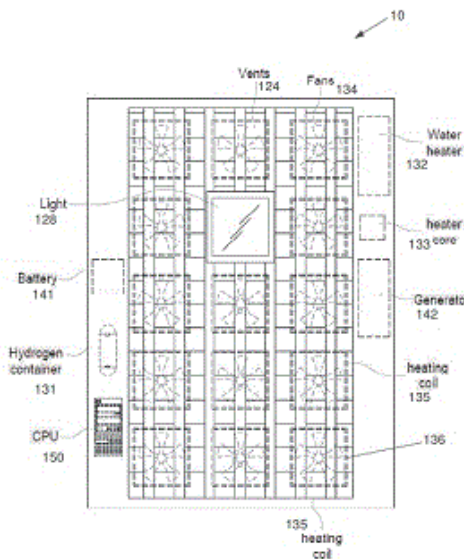
21: 2022/08964. 22: 2022/08/11. 43: 2023/12/04
 51: B63J; F21V; F24F
 71: MAHINDRA & MAHINDRA LTD.
 72: NIMMAGADDA, Ramakrishna, KAKANI, Phani, PATTANASHETTI, Harsha, JOSEPH, Sareesh, SRIPERUMBUDUR, Srivatsa, SUDHIR, Srikanth
 33: IN 31: 202141036253 32: 2021-08-11
54: ULTRA-LIGHT WEIGHT AND HIGH NOISE ABSORBENT FOAM MATERIAL HVAC DUCT FOR VEHICLE
 00: -
 The present invention relates to a field of heating, ventilation, and air conditioning (HVAC) system for a vehicle. Accordingly, the HVAC system for a vehicle, comprises a duct (100), and the duct (100) on outside surrounded by at least a trim panel (102), a wiring harness (104), and a body in white (BIW) (106). The duct (100) is made of a foam material formed of weight percent proportioning in the range of Polypropylene (PP) 45-55%, Polyethylene (PE) 35-45% and remaining Nitrogen.

21: 2022/08986. 22: 2022/08/11. 43: 2023/12/04
 51: A47J
 71: DE WET, Pieter Oloff
 72: DE WET, Pieter Oloff
 33: ZA 31: 2020/00253 32: 2020-01-15
54: A BEVERAGE FILTER
 00: -

A beverage filter for insertion into a container is provided. The filter includes a base with a plurality of holes configured to let liquid pass through it while retaining solids. A wall extends from the base, wherein the wall is configured to allow at least a portion thereof to form a perimeter seal against an internal wall of the container. In operation a low pressure zone is created which pulls liquid through the holes of the base during removal of the beverage filter from the container.



conventional AC units are off, reduces costs, and power consumption.



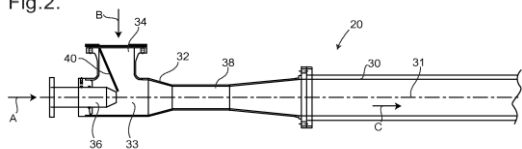
21: 2022/09000. 22: 2022/08/11. 43: 2023/11/03
 51: B60H
 71: RUTHERFORD, LAWRENCE
 72: RUTHERFORD, LAWRENCE
 33: US 31: 16/743,642 32: 2020-01-15
54: OVERHEAD AUTOMATIC HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) APPARATUS

00: -
 An overhead automatic Heating, Ventilation, and Air Conditioning apparatus can be installed in an overhead surface within various types of vehicles, structures, and buildings, in order to maintain comfortable temperature inside of the respective environment. The overhead automatic HVAC apparatus can be installed in the roof of an automobile, allowing the driver to return to a comfortable temperature. Also this provides safety, preventing a child left inside of the automobile from being harmed due to extreme temperatures. The overhead automatic HVAC apparatus can be installed in a roof of a military vehicle, such as an High Mobility Multipurpose Wheeled Vehicle, or the ceiling of an office inside of a commercial building. The overhead automatic HVAC apparatus can be self-powered, including a battery and a solar-powered generator which allows the overhead automatic HVAC apparatus to run when

21: 2022/09008. 22: 2022/08/11. 43: 2023/12/04
 51: D21B; D21C
 71: NOVA PANGAEA TECHNOLOGIES (UK) LIMITED
 72: BARR, Kristopher Thomas, HOLM, Martin Spangenberg, LEWIS, Gene
 33: GB 31: 2002587.0 32: 2020-02-24
54: PROCESSING OF LIGNOCELLULOSIC BIOMASS

00: -
 A plant and process for performing thermolysis of cellulose uses a thermolysis reactor (20) which comprises a reactor duct (30) having a longitudinal axis (31), and an eductor (32) at one end of the reactor duct (30). The eductor (32) has an entry chamber (33) and a venturi-shaped exit channel (38), a nozzle (36), a sloping deflector plate (40) above the nozzle (36), and an inlet port (34) through which particulate material may be fed onto the deflector plate (40) and into the entry chamber (33). The nozzle (36) and the venturi-shaped exit channel (38) are aligned with the longitudinal axis (31). A superheater (47) provides superheated steam at a temperature above 450°C to flow through the nozzle (36). The particulate matter is entrained in the flowing steam, and undergoes thermolysis. This may be combined with a pre-treatment to hydrolyse hemicellulose, so that lignocellulosic biomass can be processed.

Fig.2.



21: 2022/09124. 22: 2022/08/15. 43: 2023/12/04

51: G06Q

71: CHINA UNIONPAY CO., LTD.

72: LIU, Gang, WANG, Yu, JIANG, Haijian, LIN,

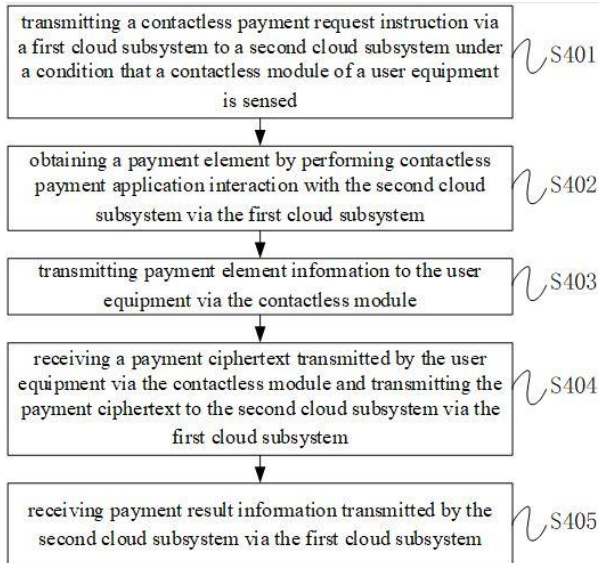
Jinren, CHEN, Ke, CAI, Hua, ZHANG, Zheng

33: CN 31: 202010099412.0 32: 2020-02-18

54: PAYMENT METHOD, PAYMENT TERMINAL, CLOUD SUBSYSTEM, CLOUD SERVER AND SYSTEM

00: -

The application provides a payment method, a payment terminal, a cloud subsystem, a cloud server and a system, and relates to the field of data processing. The method includes: transmitting a contactless payment request instruction via a first cloud subsystem to a second cloud subsystem under a condition that a contactless module of a user equipment is sensed; obtaining a payment element by performing contactless payment application interaction with the second cloud subsystem via the first cloud subsystem; transmitting payment element information to the user equipment via the contactless module; receiving a payment ciphertext transmitted by the user equipment via the contactless module and transmitting the payment ciphertext to the second cloud subsystem via the first cloud subsystem, wherein the payment ciphertext is generated based on the payment element information; and receiving payment result information transmitted by the second cloud subsystem via the first cloud subsystem. The overall cost of a system supporting the contactless payment process can be reduced by using the technical solution of the present application.



21: 2022/09181. 22: 2022/08/16. 43: 2023/11/03

51: A61K; A61P

71: QUINCY BIOSCIENCE, LLC

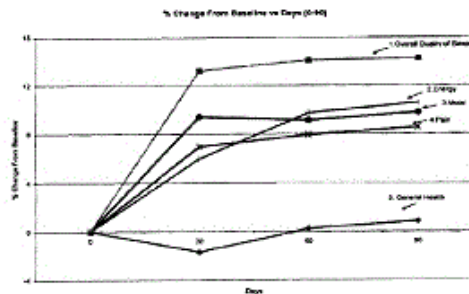
72: UNDERWOOD, MARK Y

33: US 31: 62/980,785 32: 2020-02-24

54: APOAEQUORIN AND CURCUMIN CONTAINING COMPOSITIONS AND METHODS

00: -

Compositions containing apoaequorin and curcumin and methods for their use in treating symptoms and disorders, for example, mental disorder, anxiety, cognitive function, sleep quality, energy quality, mood quality, memory quality or pain are provided by the present invention.



21: 2022/09188. 22: 2022/08/16. 43: 2023/12/04

51: B65D

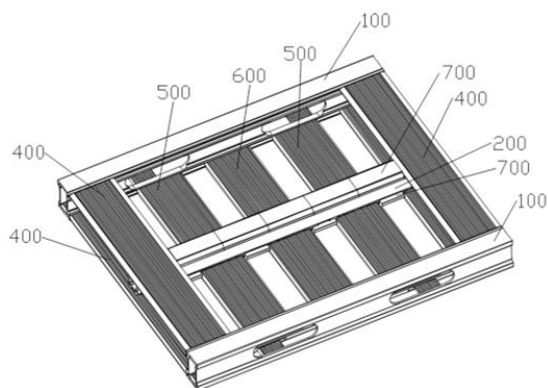
71: LOW, Engchoon

72: LOW, Engchoon

54: ASSEMBLED UNIT HAVING LOCKING MECHANISM

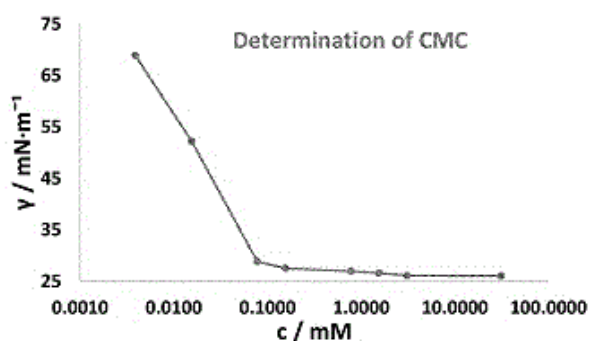
00: -

The present application discloses an assembled unit having a locking mechanism, comprising a pair of lateral guide rails, a pair of class I plate members, a spine member and at least one eccentric rotation member. Each of the lateral guide rails is configured with a sliding groove along a direction of extension thereof. Both ends of each of the class I plate members can be inserted into the sliding groove of the corresponding lateral guide rail. Both ends of each of the lateral guide rails are respectively configured with an engaging structure. The spine member is configured with a raised sliding block along its direction of extension. On a surface of each of the type I plate members, a class I engaging slot is configured in a direction parallel to the lateral guide rail, the class I engaging slot opening at a side of the class I plate member and terminating at a termination position after it extends across part of a surface of the corresponding plate member. A raised rotary sliding block is configured at the bottom of the eccentric rotation member, and the rotary sliding block can be slid in from the opening of the class I engaging slot and stay at the termination position of the class I engaging slot. With the rotary sliding block as a starting point, the eccentric rotation member has two arms extending in different directions, with a long arm having a length greater than that of a short arm.



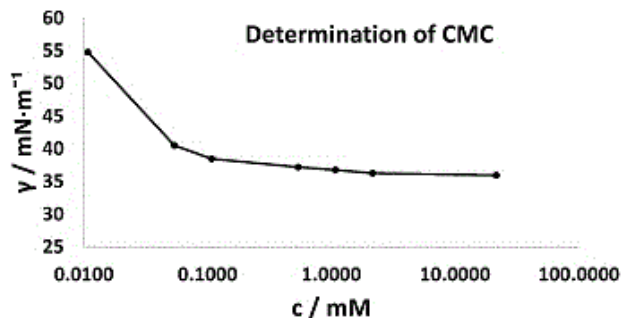
21: 2022/09246. 22: 2022/08/17. 43: 2023/11/01
 51: C07C; C11D; A61Q
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD, HONCIUC, ANDREI, MIHALI, VOICHITA
 33: US 31: 62/967,175 32: 2020-01-29
54: AMINO ACID SURFACTANTS

00: -
 The present disclosure provides derivatives of amino acids that have surface-active properties. The amino acid can be naturally-occurring or synthetic, or they may be obtained via a ring-opening reaction of a lactam, such as caprolactam. The amino acid may be functionalized to form a compound that is surface-active and have advantageous surfactant characteristics. The compounds of the present disclosure have low critical micelle concentrations (CMC) as well as superior ability to lower the surface tension of a liquid.



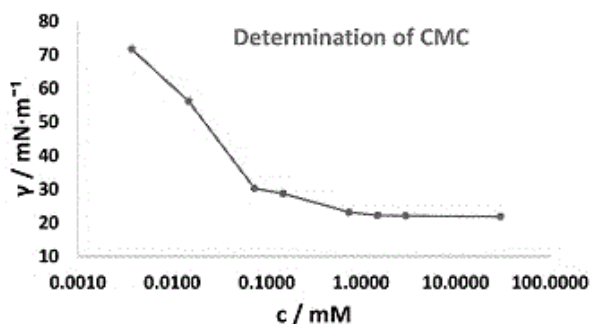
21: 2022/09247. 22: 2022/08/17. 43: 2023/11/01
 51: C07C; A61Q; C11D
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD, HONCIUC, ANDREI, MIHALI, VOICHITA
 33: US 31: 62/967,177 32: 2020-01-29
54: AMINO ACID SURFACTANTS

00: -
 The present disclosure provides derivatives of amino acids that have surface-active properties. The amino acid can be naturally-occurring or synthetic, or they may be obtained via a ring-opening reaction of a lactam, such as caprolactam. The amino acid may be functionalized to form a compound that is surface-active and have advantageous surfactant characteristics. The compounds of the present disclosure have low critical micelle concentrations (CMC) as well as superior ability to lower the surface tension of a liquid.



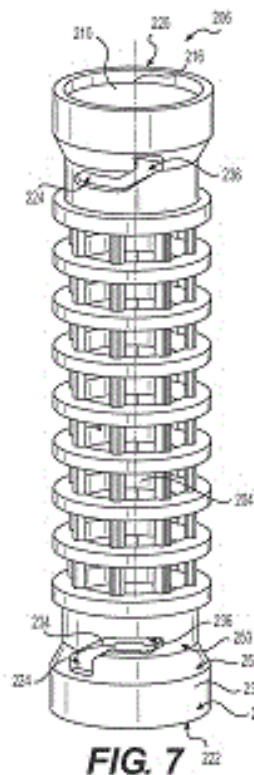
21: 2022/09249. 22: 2022/08/17. 43: 2023/11/01
 51: C07C; C11D; A61Q
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD, HONCIUC, ANDREI, MIHALI, VOICHITA
 33: US 31: 62/967,179 32: 2020-01-29
54: AMINO ACID SURFACTANTS

00: -
 The present disclosure provides derivatives of amino acids that have surface-active properties. The amino acid can be naturally-occurring or synthetic, or they may be obtained via a ring-opening reaction of a lactam, such as caprolactam. The amino acid may be functionalized to form a compound that is surface-active and have advantageous surfactant characteristics. The compounds of the present disclosure have low critical micelle concentrations (CMC) as well as superior ability to lower the surface tension of a liquid.



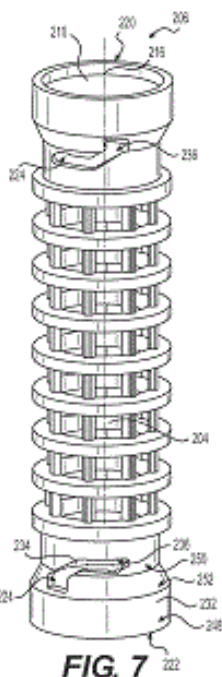
21: 2022/09394. 22: 2022/08/22. 43: 2023/11/06
 51: B01D
 71: CATERPILLAR INC.
 72: RIES, JEFFREY R, IMMEL, JON T, MOREHOUSE III, DARRELL L, OEDEWALDT, STEPHEN E, SPENGLER, PHILIP C
 33: US 31: 16/799,121 32: 2020-02-24
54: LOCKING FEATURE FOR A FILTER

00: -
 A filter element (200) includes a bottom open end (222) joined to a center tube (206) opposite the top open end (220). The bottom open end (222) defines a radially outer surface (232) and a radially inner surface (234) that is in communication with the central reservoir (204) of the filter element (200). A locking feature (236) is disposed proximate to the bottom open end (222). The locking feature (236) includes an entrance slot (238) that is disposed on the radially inner surface (234) of the center tube (206) extending axially from the bottom open end (222).



21: 2022/09395. 22: 2022/08/22. 43: 2023/11/13
 51: B01D
 71: CATERPILLAR INC.
 72: RIES, JEFFREY R, IMMEL, JON T, MOREHOUSE III, DARRELL L, OEDEWALDT, STEPHEN E, SPENGLER, PHILIP C
 33: US 31: 16/799,193 32: 2020-02-24
54: TOP AND BOTTOM LOADED FILTER AND LOCKING MECHANISM
 00: -
 A filter element (200) includes a bottom open end (222') joined to a center tube (206, 206') opposite the

top open end (220'). The bottom open end (222') defines a radially outer surface (232) and a radially inner surface (234) that is in communication with the central reservoir (204) of the filter element (200). A first locking feature (236') is disposed proximate to the bottom open end (222'). The locking feature (236') includes an entrance slot (238') that is disposed on the radially inner surface (234) of the center tube (206, 206') extending axially from the bottom open end (222'). A similar or identical second locking feature (236'') is disposed proximate to the top open end (220').



able to move above the surface in order to deploy or retrieve the cover, • an insertion system (16) for continuous insertion of the convex bead (12) into the groove, wherein • the convex bead (12) of each longitudinal edge and the groove of the corresponding rail are configured such that, once inserted into the space (14e) by the insertion system, the convex bead occupying the space alone cannot be removed solely by the action of a force (F) applied parallel to the transverse axis (Y) in the direction of the surface to be covered.

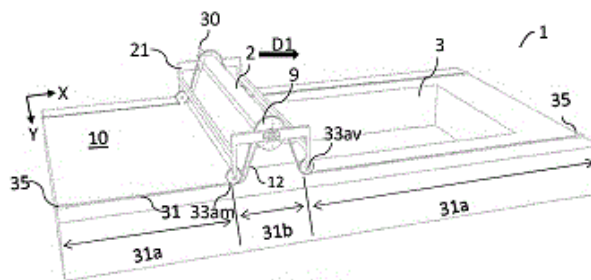
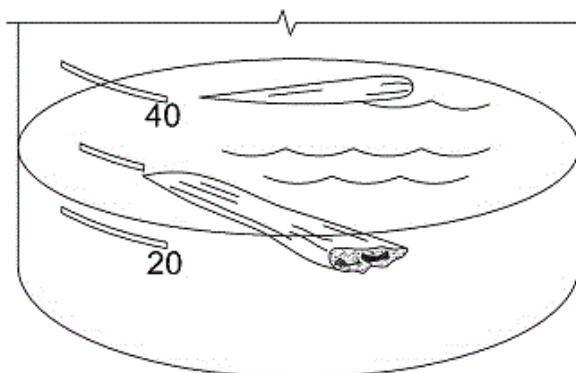


Fig.1(a)

21: 2022/09485. 22: 2022/08/24. 43: 2023/11/01
 51: D21C
 71: SIXRING INC.
 72: PURDY, CLAY, WEISSENBARGER, MARKUS,
 WYNNYK, KYLE G, DAWSON, KARL W
 33: CA 31: 3,074,194 32: 2020-02-28
54: MODIFIED SULFURIC ACID AND USES THEREOF

00: -
 An aqueous composition comprising: sulfuric acid; a compound comprising an amine moiety; a compound comprising a sulfonic acid moiety; and a peroxide. Said composition being capable of delignifying biomass.



21: 2022/09486. 22: 2022/08/24. 43: 2023/11/01

21: 2022/09440. 22: 2022/08/23. 43: 2023/11/01
 51: E04H; A63C; B60J
 71: BECOFLEX
 72: COENRAETS, BENOÎT
 33: BE 31: BE20205124 32: 2020-02-26
54: DEVICE FOR COVERING A SURFACE COMPRISING MEANS FOR LOCKING A COVER IN A GROOVE

00: -
 The present invention relates to a device for covering a surface, comprising: • a substantially rectangular cover (10) having first and second longitudinal edges each provided with a protruding convex bead (12) having a minimum diameter (d), • two rails (6) comprising a groove, the opening (14) of which has a maximum width (Lo), • a drum (2) that is

51: D21C
 71: SIXRING INC.
 72: PURDY, CLAY, WEISSENBERGER, MARKUS,
 WYNNYK, KYLE G, DAWSON, KARL W
 33: CA 31: 3,074,198 32: 2020-02-28

54: MODIFIED ALKYL SULFONIC ACID AND USES THEREOF

00: -
 Method of delignification of plant material, said method comprising: providing said plant material comprising cellulose fibers and lignin; exposing said plant material requiring to a composition comprising: alkane sulfonic acid; and a peroxide, wherein said alkylsulfonic acid and peroxide are present in a molar ratio ranging from 1:1 to 15:1 and the time of exposure is sufficient to remove substantially all of the lignin present on said plant material. Compositions capable of achieving delignification are also disclosed.

21: 2022/09487. 22: 2022/08/24. 43: 2023/11/01
 51: D21C; C01B; C09K
 71: SIXRING INC.
 72: PURDY, CLAY, WEISSENBERGER, MARKUS,
 WYNNYK, KYLE G, DAWSON, KARL W
 33: CA 31: 3,074,199 32: 2020-02-28

54: MODIFIED SULFURIC ACID AND USES THEREOF

00: -
 An aqueous acid composition comprising sulfuric acid, a compound comprising an amine moiety and a sulfonic acid moiety and optionally a peroxide. The use of the composition in treating biomass is also disclosed.

21: 2022/09519. 22: 2022/08/25. 43: 2023/12/04
 51: D21C
 71: ANDRITZ INC.
 72: VOGEL, Keith, HUNT, Tyson B., WHITESIDE,
 Blake, LUHRMANN, Carlton L., POPE, Scott A.,
 LEAVITT, Aaron
 33: US 31: 62/984,568 32: 2020-03-03

54: ADJUSTING A HIGH PRESSURE FEEDER BASED ON FLUID LEAKAGE

00: -
 Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, that adjust a high-pressure feeder of a feed system used in pulp production based on the fluid leakage through a low-pressure outlet of a high-pressure feeder. Methods can include obtaining multiple flow values, including (1) a make-up liquor flow value, (2) a black liquor flow value, (3) a white liquor flow value, (4) a chip chute circulation flow value, and (5) a high pressure feeder purge flow value. Methods can include determining a chip flow value specifying a flow of chips provided to the high-pressure feeder. Based on the flow values, methods can determine a fluid leakage value specifying an amount of fluid leakage through a gap between a pocket rotor and the housing of the high pressure feeder. Methods can adjust an annular gap based on the fluid leakage value satisfies a threshold leakage value.

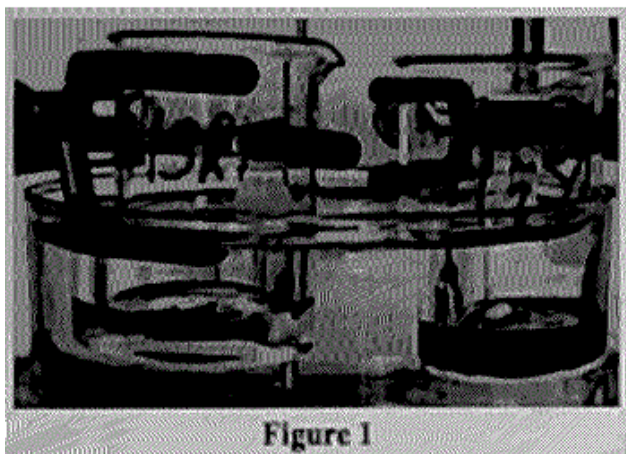
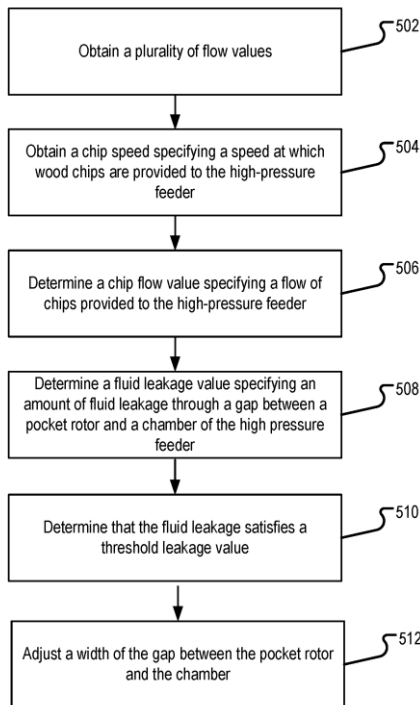


Figure 1

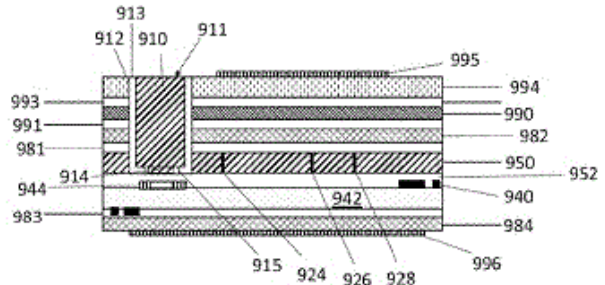
500



21: 2022/09521. 22: 2022/08/25. 43: 2023/11/01
 51: G06K
 71: COMPOSECURE, LLC
 72: LOWE, ADAM, ESAU, JOHN
 33: US 31: 62/971,439 32: 2020-02-07
54: DI METAL TRANSACTION DEVICES AND PROCESSES FOR THE MANUFACTURE THEREOF
 00: -

A transaction device includes a metal layer with one or more discontinuities in the metal layer. Each discontinuity comprises a gap in the metal layer extending from the front surface to the back surface, including at least one discontinuity that defines a path from the device periphery to the opening. A transponder chip module is disposed in the opening. A booster antenna is in communication with the transponder chip module. The device may include at least one fiber-reinforced epoxy laminate material layer. The transponder chip module and the booster antenna may comprise components in a payment circuit, with the metal layer electrically isolated from the payment circuit. The booster antenna may be formed on or embedded in the fiber-reinforced epoxy

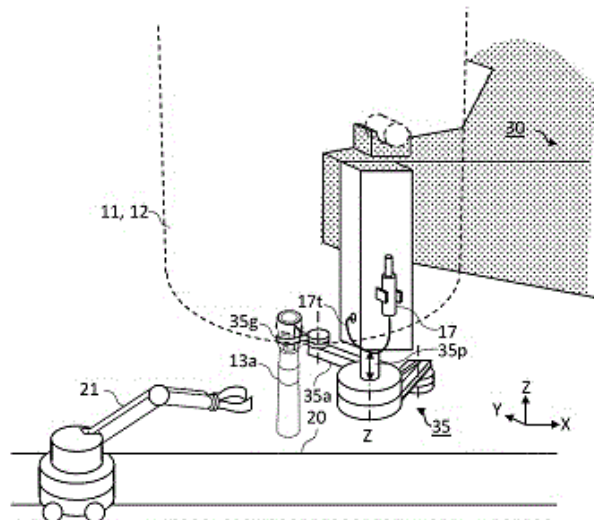
laminate material layer. Processes for manufacturing transaction devices including a metal layer with one or more fiber-reinforced epoxy laminate material layers are also disclosed.



21: 2022/09524. 22: 2022/08/25. 43: 2023/11/01
 51: B22D
 71: VESUVIUS GROUP, S.A.
 72: DELSINE, DAMIEN, RENARD, JEAN-LUC
 33: EP 31: 20167446.2 32: 2020-03-31
54: ROBOTIZED LADLE TRANSPORTATION DEVICE SYSTEM WITH EMBEDDED MANIPULATOR
 00: -

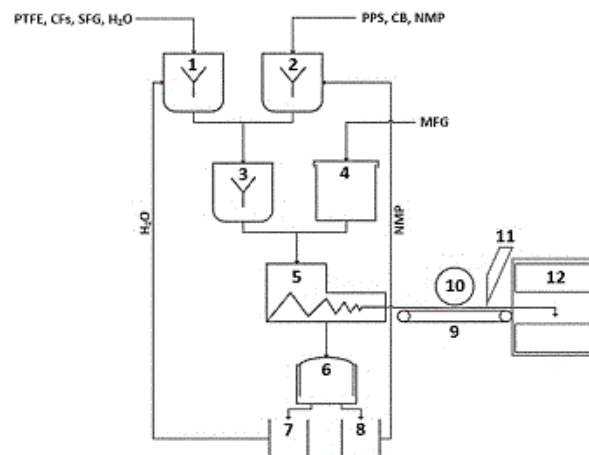
The present invention concerns a metal casting installation comprising, • (a) a loading platform (20), • (b) a tundish (1), • (c) a first ladle (11) and a second ladle (12), each comprising, • a floor provided with an opening (11 o, 12o), • a ladle shroud (13a-13c), • a ladle sliding gate (15) configured for being coupled to a driving device (17) for actuating the ladle sliding gate between a sealed position and a casting position, and comprising a collector nozzle (14) for receiving the ladle shroud, • (d) a first and second ladle shroud manipulators (35) for holding the ladle shroud (13a-13c) coupled over the collector nozzle (14) of the first and second ladles, • (e) a transportation device comprising a first holding device and a second holding device for holding the first and second ladles (11, 12), and being configured for moving and holding in place the first and second ladles between a loading station, adjacent to the loading platform (20), and a casting station, over the tundish (1), Characterized in that, • the metal casting installation comprises a robot (21) configured for carrying out the following operations, • o handing a new ladle shroud (13b) to the manipulator (35) of the ladle located at the loading station, and • o coupling a driving device (17) to the ladle slide gate (15) • each manipulator is fixed

relative to the corresponding first or second ladle (11, 12), such as to move together with the corresponding first or second ladle between the loading station and the casting station.



21: 2022/09566. 22: 2022/08/26. 43: 2023/11/01
 51: H01M
 71: BLUE WORLD TECHNOLOGIES HOLDING APS
 72: GROMADSKYI, DENYS, HROMADSKA, LARYSA
 33: DK 31: PA 2020 00656 32: 2020-06-04
 33: DK 31: PA 2020 01469 32: 2020-12-30
54: SEPARATOR PLATE FOR A FUEL CELL, PRECURSOR THEREFORE AND ITS METHOD OF PRODUCTION

00: -
 For production of a separator plate in a fuel cell, a malleable precursor sheet is made by mixing thermoplastic polymer, carbon fibers, and electroconductive carbon particles, which is then hot-compression molded as a single layer or multi-layer structure or multi-layer structure, where the layer thickness is less than the length of the carbon fibers.



21: 2022/09632. 22: 2022/08/29. 43: 2023/12/04
 51: A61K; C07K; C12Q; G01N; A61P
 71: AELIN THERAPEUTICS, VIB VZW, KATHOLIEKE UNIVERSITEIT LEUVEN
 72: CLAES, Filip Maria Hendrik, SCHYMKOWITZ, Joost, ROUSSEAU, Frederic
 33: EP 31: 20158306.9 32: 2020-02-19
54: MOLECULES TARGETING MUTANT RAS PROTEIN

00: -
 Aspects of the invention concern non-naturally occurring molecules configured to form an intermolecular beta-sheet with a human RAS protein mutated at position 12 or 13 and substantially not with wild-type human RAS protein, as well therapeutic applications thereof.

21: 2022/09674. 22: 2022/08/30. 43: 2023/12/04
 51: A61K; C07K; C12Q; G01N; A61P
 71: AELIN THERAPEUTICS, VIB VZW, KATHOLIEKE UNIVERSITEIT LEUVEN
 72: CLAES, Filip Maria Hendrik, SCHYMKOWITZ, Joost, ROUSSEAU, Frederic
 33: EP 31: 20158306.9 32: 2020-02-19
54: MOLECULES TARGETING RAS PROTEIN

00: -
 Aspects of the invention concern non-naturally occurring molecules configured to form an intermolecular beta-sheet with a human RAS protein, as well therapeutic applications thereof.

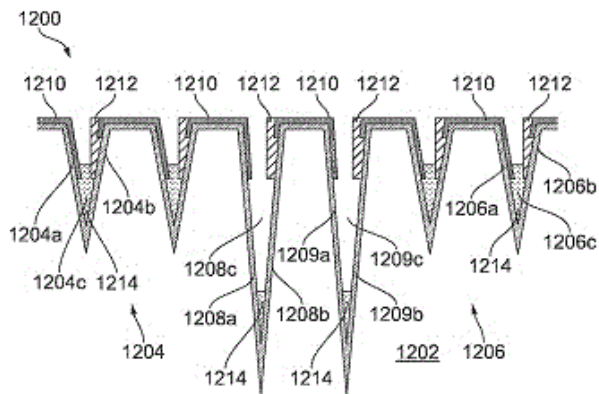
21: 2022/09758. 22: 2022/08/31. 43: 2023/11/13
 51: H01L
 71: POWER ROLL LIMITED
 72: MCARDLE, TREVOR, TOPPING, ALEXANDER JOHN, KASCH, NICHOLAS

33: GB 31: 2004533.2 32: 2020-03-27

54: A TWO-TERMINAL DEVICE

00: -

There is provided a two-terminal device, including a substrate comprising a first cell having a first characteristic resistance, and a second cell, spaced apart from the first cell along the web direction of the substrate, having a second characteristic resistance; a first terminal and a second terminal, each terminal being formed towards or at opposing edges of the substrate across the transverse direction, and each terminal being in electrical communication with the first cell and the second cell; and a connecting portion, between the first cell and the second cell, the connecting portion having a third characteristic resistance; wherein the third characteristic resistance is greater than or equal to at least one of the first characteristic resistance and the second characteristic resistance. There is also provided a method of forming such a two-terminal device).



21: 2022/09779. 22: 2022/09/01. 43: 2023/12/05

51: A61K; A61P

71: ETHERNA IMMUNOTHERAPIES NV

72: TIEST, Wim, VAN HOORICK, Diane

33: EP 31: 20157300.3 32: 2020-02-14

54: INTRANASAL MRNA VACCINES

00: -

The present invention in general to intranasal mRNA vaccines, more in particular comprising one or more immunostimulatory molecules, one or more pathogenic antigens and a specifically designed delivery system. Specifically said immunostimulatory molecules and pathogenic antigens are provided for in the form of mRNA molecules encoding such molecules and antigen; more in particular mRNA molecules encoding for CD40L, caTLR4 and/or

CD70 in combination with one or more mRNA molecules encoding a bacterial, viral or fungal antigen. Specifically said, the delivery is a mixture of chemical compounds that allow protection and deposition of the vaccine and targeting to the antigen presenting cells in the nose. In particular, present invention is well suited for development of a rapid response vaccine in an outbreak setting.

21: 2022/09786. 22: 2022/09/01. 43: 2023/11/14

51: G06F

71: SAMSUNG ELECTRONICS CO., LTD.

72: SHIM, HEEBO, KANG, JONGMIN, KIM,

JINGOOK, LEE, SUMAN, RHEE, WONSEOK,

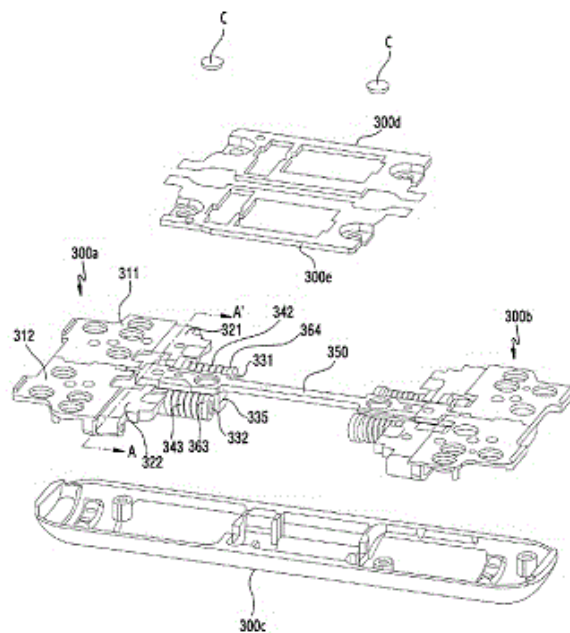
JEONG, SEONGKI, CHOI, SEUNGWHEE

33: KR 31: 10-2020-0015993 32: 2020-02-10

54: FOLDABLE ELECTRONIC DEVICE INCLUDING HINGE ASSEMBLY

00: -

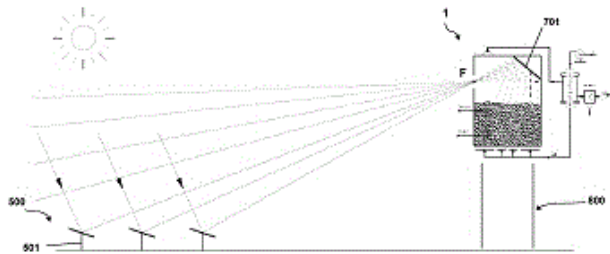
An electronic device is provided, which includes a first housing; a second housing; a hinge housing; a hinge assembly; first and second hinge plates covering at least part of the hinge assembly; an FPCB; and a flexible display. The hinge assembly includes a support portion having a plurality of support grooves and at least part of the first and second hinge plates may be supported by the support grooves in an unfolded state of the electronic device.



21: 2022/09787. 22: 2022/09/01. 43: 2023/11/16

51: F24S; F28D
 71: MAGALDI POWER S.P.A.
 72: MAGALDI, MARIO, BASSETTI, FULVIO
54: DEVICE FOR THE STORAGE OF THERMAL ENERGY OF SOLAR ORIGIN BASED UPON MULTIPLE REFLECTIONS

00: -
 A device (1) for the storage and transfer of thermal energy of solar origin, which device (1) comprises: - a containment casing (2), having an irradiation opening (10) configured to allow the entrance of an incident solar radiation in an irradiation region (350) defined within said casing (2); - a bed (3) of fluidizable particles received within said casing (2); - at least a reflecting and/or re-radiating surface (701; 702; 703) arranged within said irradiation region (350) and configured to reflect the solar radiation entering through said irradiation opening (10) directly on a freeboard (35) of said bed of particles (3) or on another reflecting and/ or re-radiating surface of said irradiation region (350).

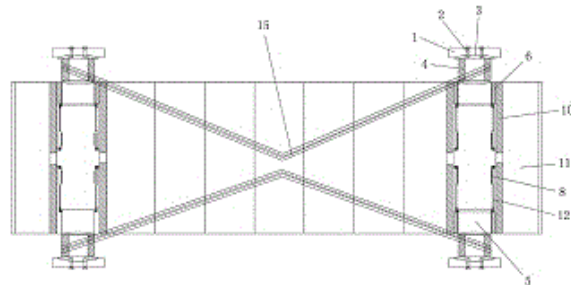


21: 2022/09789. 22: 2022/09/01. 43: 2023/11/14
 51: F03D
 71: JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
 72: FANG, JING, ZHANG, ZHU, MA, LONG
 33: CN 31: 202010103876.4 32: 2020-02-20

54: TOWER SECTION AND WIND GENERATING SET

00: -
 A tower section and a wind generating set. The tower section comprises a tower section body (11) and hoisting lugs (5), wherein through holes are provided in the sidewall of the tower section body (11), and an inner cavity of the tower section is communicated with the outside by means of the through holes; the hoisting lugs (5) are provided in the through holes, are movable along central lines of the through holes, and can move between a first position where the hoisting lugs extend out of the

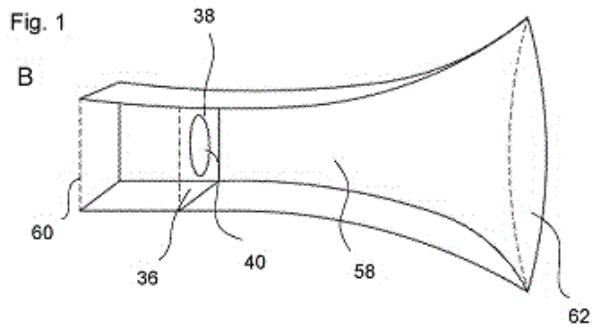
tower section body (11) and a second position where the hoisting lugs are retracted to the tower section body (11), so as to hoist the tower section. Because the hoisting lugs (5) can selectively extend out, a tower hoist is not needed to be connected to a flange in a tower section hoisting process, and the hoist is mounted on the hoisting lugs (5). It is not necessary to manufacture and use a specific tower hoist, thereby reducing costs. Furthermore, because the tower hoist is not needed to be fixedly connected to the flange, the assembly/disassembly time of the tower hoist is saved, and the working efficiency is improved.



21: 2022/09791. 22: 2022/09/01. 43: 2023/11/14
 51: A61M
 71: 1NHALER LTD
 72: ANDERSON, GREGOR JOHN MCLENNAN, ALAN MILLER, SUTTIE, SMITH, DONALD, MCMYNN, LISA CHARLESTON
 33: GB 31: 2004337.8 32: 2020-03-25

54: FOLDABLE INHALER

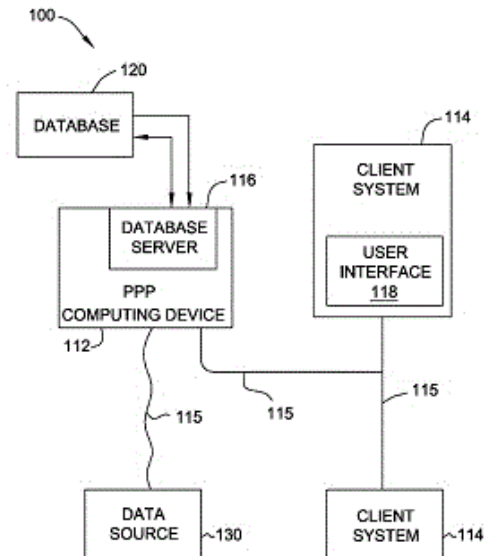
00: -
 A device for inhaling an active agent is provided that can be moved from a first configuration to a second configuration. The device comprises two flexible substrates and a membrane (40) located between the two flexible substrates, and the two flexible substrates being connected at two opposing edges and unconnected at two further opposing edges. An active agent provided on the membrane may be inhaled by a user when the device is in the second configuration.



21: 2022/09827. 22: 2022/09/02. 43: 2023/11/14
 51: G06Q; A01M
 71: FMC CORPORATION
 72: SINGH, SUKHVINDER, STERLING, SARA
 CATHERINE, BARRATT, SIMON BRIDGE, GONG,
 RUIXUE, LIN, WANDI, MANDAGONDI, SAI
 ANIRUDH, PALLAI, CASSANDRA, PUTTERMAN,
 ROSS JOSEPH
 33: US 31: 17/081,263 32: 2020-10-27
 33: US 31: 62/984,881 32: 2020-03-04
 33: US 31: 62/984,885 32: 2020-03-04
 33: US 31: 17/081,361 32: 2020-10-27

54: SYSTEMS AND METHODS FOR PREDICTING PEST PRESSURE USING GEOSPATIAL FEATURES AND MACHINE LEARNING

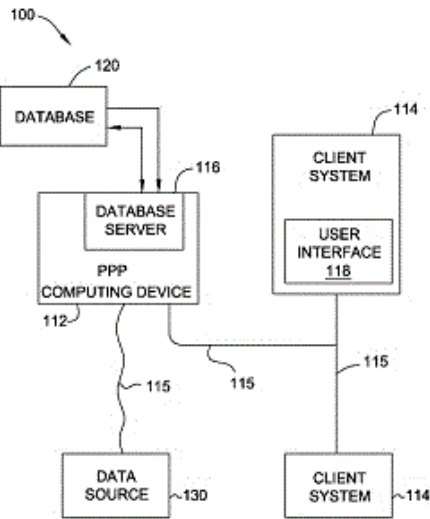
00: -
 System and methods for predicting future pest pressures are provided. A pest pressure prediction computing device includes a memory and a processor communicatively coupled to the memory. The processor is programmed to receive trap data for a plurality of pest traps in a geographic location, receive weather data for the geographic location, receive image data for the geographic location, identify at least one geospatial feature within or proximate to the geographic location, apply a machine learning algorithm to the trap data, the weather data, the image data, and the at least one identified geospatial feature to identify a correlation between pest pressure and the at least one geospatial feature, and generate predicted future pest pressures for the geographic location based at least on the identified correlation between pest pressure and the at least one geospatial feature.



21: 2022/09828. 22: 2022/09/02. 43: 2023/11/14
 51: G06Q; H04L
 71: FMC CORPORATION
 72: SINGH, SUKHVINDER, STERLING, SARA
 CATHERINE, BARRATT, SIMON BRIDGE,
 D'HYVER DE LAS DESES, PAUL, , LIN, WANDI,
 PUTTERMAN, ROSS JOSEPH, STUART-HOFF,
 IAN ANTHONY
 33: US 31: 17/081,263 32: 2020-10-27
 33: US 31: 62/984,881 32: 2020-03-04
 33: US 31: 17/081,361 32: 2020-10-27
 33: US 31: 62/984,885 32: 2020-03-04

54: SYSTEMS AND METHODS FOR PEST PRESSURE HEAT MAPS

00: -
 Systems and methods for generating and displaying heat maps are provided. A heat map generation computing device includes a memory and a processor. The processor is programmed to receive trap data for a plurality of pest traps in a geographic location, the trap data including current and historical pest pressure values at each of the plurality of pest traps, receive weather data for the geographic location, receive image data for the geographic location, apply a machine learning algorithm to generate predicted future pest pressure values at each of the plurality of pest traps, generate a first heat map for a first point in time and a second heat map for a second point in time, and transmit the first and second heat maps to a mobile computing device to cause a user interface on the mobile computing device to display a time lapse heat map.



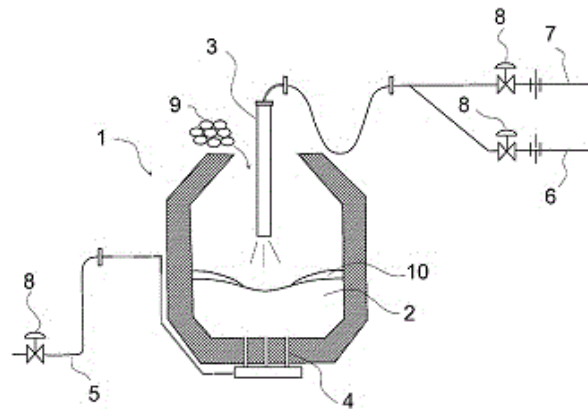
21: 2022/09897. 22: 2022/09/05. 43: 2023/11/07
 51: A23J
 71: PLANTED FOODS AG
 72: WEMMER, JUDITH, BÖNI, LUKAS JOHANNES
 33: IB 31: PCT/IB2020/052047 32: 2020-03-10
54: METHOD FOR PRODUCING A FOOD PRODUCT

00: -
 The invention refers to a method of producing a deformed fibrous protein product (12) from a wet textured product material (11). The wet textured product material (11) comprises at least 10wt% of proteins possessing a fibrous structure and at least 35wt% water. The in particular deformed fibrous protein product (12) being selected from the group consisting of a deformed product (12a), an initial pulled product (12b), a block product (12c), and a final pulled product (12d). The method comprising the step of a) elastic-plastically deforming the wet textured product material (11), thereby changing the fibrous structure to obtain the deformed product (12a).

21: 2022/09929. 22: 2022/09/06. 43: 2023/11/14
 51: C21C; C22C
 71: JFE STEEL CORPORATION, JFE MINERAL & ALLOY COMPANY, LTD.
 72: ODA, NOBUHIKO, FUJII, YUSUKE, SATO, SHINGO, KAWABATA, RYO, KIKUCHI, NAOKI, SHIOTA, TOSHIO, HIGUCHI, IPPEI
 33: JP 31: 2020-038790 32: 2020-03-06
54: METHOD FOR PRODUCING LOW-CARBON FERROMANGANESE

00: -

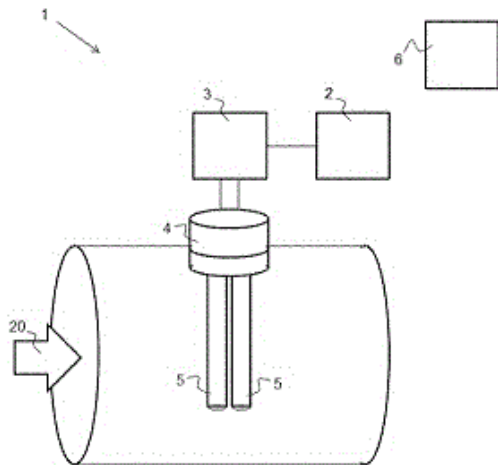
Provided a method for producing low-carbon ferromanganese capable of achieving a high Mn yield. In producing low-carbon ferromanganese by blowing an oxidizing gas from a top-blowing lance onto a bath face of high-carbon ferromanganese molten metal accommodated in a reaction vessel provided with a top-blowing lance and bottom-blowing tuyere to perform decarburization, the slag composition during the blowing is adjusted so that a value of $(CaO + MgO) / (Al_2O_3 + SiO_2)$ on a mass basis in the slag composition is not less than 0.4 but not more than 5.0. Also, agitation is performed under a condition that an agitation power density ϵ of an agitation gas blown through the bottom-blowing tuyere is not less than 500 W/t.



21: 2022/09930. 22: 2022/09/06. 43: 2023/11/09
 51: G01N
 71: EPIROC ROCK DRILLS AKTIEBOLAG
 72: MERKEL, HARALD FRANZ ARNO
 33: SE 31: 2050420-5 32: 2020-04-14
54: ARRANGEMENT, DRILL RIG AND METHOD THEREIN FOR DETECTION OF WATER IN MATERIAL FLOW

00: -
 Arrangement (1) for detecting water in a material flow (20) during drilling, wherein the arrangement (1) comprises a control unit (2), a data acquisition unit (3) and a sensor (4), wherein the sensor comprises at least two probes (5), wherein the at least two probes (5) are to be arranged in contact with the material flow and are connected to a programmable voltage source and a programmable voltage receiver. The arrangement is configured to: - measure a ratio between a received voltage waveform and an applied voltage waveform for a set of pre-determined frequencies; - determine a

complex impedance between the at least two probes (5) for each of the pre-determined frequencies, based on the measured ratio; - determine a set of time mean values of the determined complex impedance for each of the pre-determined frequencies, using a time window; - determine a set of standard deviations, based on the determined time mean values; and - indicate that water is detected when at least one of said standard deviations exceeds a threshold condition.



21: 2022/09974. 22: 2022/09/07. 43: 2024/01/18
 51: E05D; E06B
 71: LOUVER-LITE LIMITED
 72: GREENING, Andrew
 33: GB 31: 2001727.3 32: 2020-02-07
54: SHUTTER ASSEMBLY
 00: -

A shutter assembly comprising a shutter door, an inner frame and an outer frame, wherein the shutter door defines an aperture and includes two or more rotatable vanes, wherein the vanes have a first orientation in which they completely obscure the aperture and a second orientation in which they partially obscure the aperture; the shutter door is hingedly coupled to the inner frame; and the inner frame is secured to the outer frame.

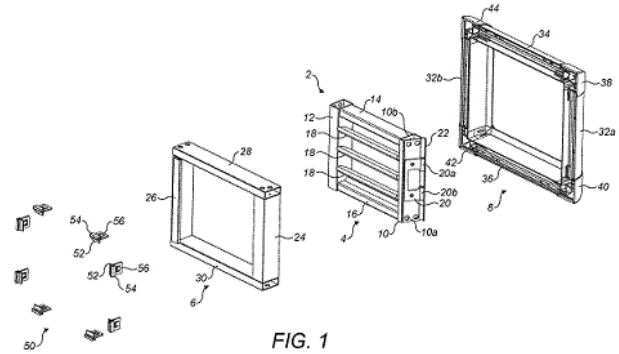


FIG. 1

21: 2022/09982. 22: 2022/09/07. 43: 2023/11/09
 51: G05D

71: YAMAHA MOTOR POWER PRODUCTS
 KABUSHIKI KAISHA

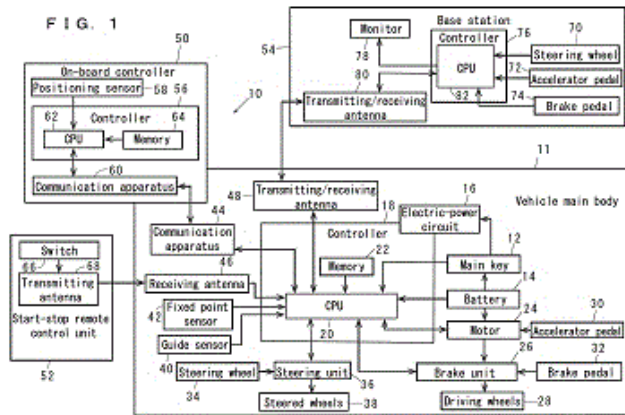
72: ARIMUNE, NOBUYASU

33: JP 31: 2020-021836 32: 2020-02-12

54: VEHICLE AND MOBILE TERMINAL UTILIZED THEREFOR

00: -

A vehicle 10 includes an on-board controller 50. A position of the vehicle 10 is detected by a positioning sensor 58 and a CPU 62 of the on-board controller 50. Based on the position of the vehicle 10 and area information stored in a memory 64, the CPU 62 determines whether the vehicle 10 is in a free driving zone, an alternative driving zone or a remote driving zone. The CPU 62 sets a driving mode to either one of the free driving mode, the alternative driving mode and the remote driving mode based on a signal of the driving mode of the vehicle 10 inputted by a main key 12 of a vehicle main body 11 and information indicating which driving zone the vehicle 10 is in. A CPU 20 of the vehicle main body 11 controls an operation of the vehicle 10 in accordance with the set driving mode. The on-board controller 50 may be provided by a mobile terminal.



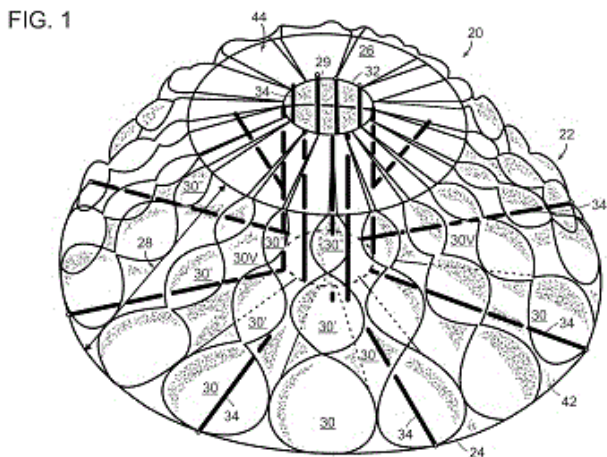
21: 2022/09988. 22: 2022/09/07. 43: 2023/11/09
51: A61F; A61L

71: BARD SHANNON LIMITED
72: REHNKE, ROBERT D

33: US 31: 16/827,030 32: 2020-03-23

54: IN VIVO TISSUE ENGINEERING DEVICES, METHODS AND REGENERATIVE AND CELLULAR MEDICINE EMPLOYING SCAFFOLDS MADE OF ABSORBABLE MATERIAL

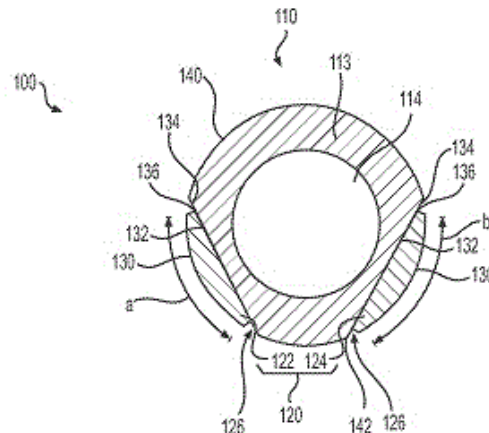
00: -
Tissue engineering devices and methods employing scaffolds made of absorbable material for use in the human body for tissue genesis and regenerative and cellular medicine including breast reconstruction and cosmetic and aesthetic procedures and supplementing organ function in vivo.



21: 2022/10021. 22: 2022/09/08. 43: 2023/11/09
51: B62D
71: CATERPILLAR INC.
72: WEAVER, DOUGLAS TRENT, VELIZ, MARK D, RECKER, ROGER L

33: US 31: 16/813,900 32: 2020-03-10
54: TRACK ASSEMBLY BUSHING HAVING A WEAR MEMBER

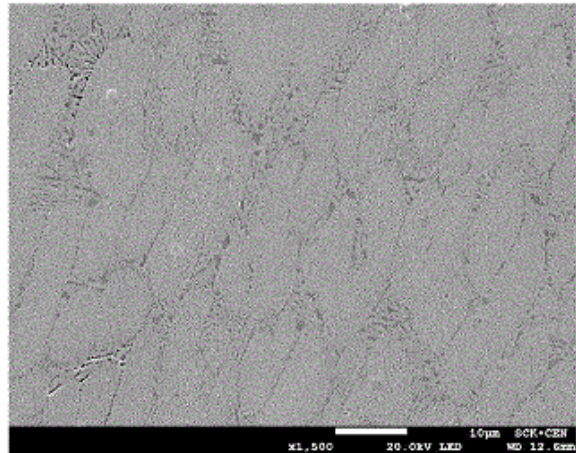
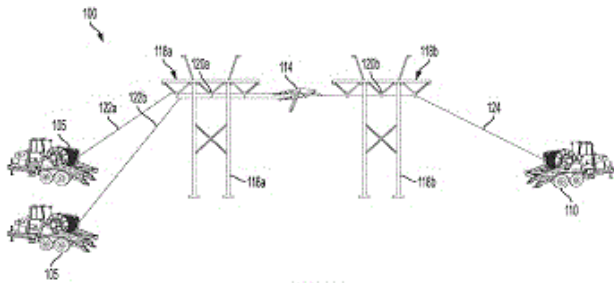
00: -
A bushing (100) for a track assembly includes a tubular bushing substrate (110) having a longitudinal length and an outer surface (112). The outer surface (112) includes at least one flat portion (134). The bushing (100) also includes at least one white iron member (120). The at least one white iron member (120) includes a flat inner surface (132), and the flat inner surface (132) of the at least one white iron member (120) is fixed to the flat portion (134) of the outer surface (112) of the tubular bushing substrate (110).



21: 2022/10022. 22: 2022/09/08. 43: 2023/11/09
51: H02G
71: SHERMAN + REILLY, INC.
72: MACDONALD, DOUGLAS BRUCE, TRAN, TONI CORINNE, MORTON, JOHN JEREMIAH, BELLOT, CARLOS ALBERT, HANSON, TIMOTHY MICHAEL
33: US 31: 62/972,800 32: 2020-02-11
54: HYBRID INSTALLATION APPARATUS AND PROCESSES

00: -
A hybrid conductor puller-tensioner and control system are disclosed. The puller-tensioner includes a motor/generator mechanically coupled to a drum. The motor/generator is in electrical communication with a generator and a rechargeable power source. In a tensioning mode, the motor/generator can be used to charge the rechargeable power source. In a pulling mode, when the power demanded by the motor exceeds the capacity of the generator, the

motor can be connected to both the generator and the rechargeable power source simultaneously to provide additional power.



21: 2022/10023. 22: 2022/09/08. 43: 2023/11/09
 51: G21F; G21G
 71: INSTITUT NATIONAL DES RADIOÉLÉMENTS,
 CENTRE D'ETUDE DE L'ENERGIE NUCLÉAIRE
 72: CEA, ANDREW KEN, HOST, VALÉRY CLAUDE
 LINO G, LEENAERS, ANN JOSEFINE
 GEORGETTE, WYLOCK, CHRISTOPHE ETIENNE
 MICHEL, VAN DEN BERGHE, SVEN, PARDOEN,
 THOMAS

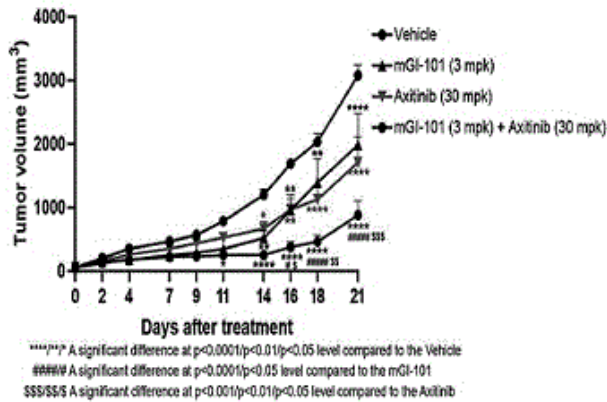
33: EP 31: 20156652.8 32: 2020-02-11
**54: A METHOD FOR THE DIGESTION OF A
 URANIUM BASED MATERIAL**

00: -
 The present invention relates to a method for at least partially digesting a uranium (U)-based target material which comprises at least one uranium-metal (U-Me) alloy containing Mn, Fe, Co or Ni and comprising at least a U6Me phase. By means of an accelerant in a basic solution, the uranium in U-Me alloy oxidizes to U(VI). The accelerant comprises in particular KMnO4 whilst the U-Me alloy comprises a U-Mn alloy. The alloy preferably comprises two phases of an eutectic system, in particular the U6Mn/UMn2 system. The use of the accelerant enables an enhanced digestion of the U-Me alloy.

21: 2022/10024. 22: 2022/09/08. 43: 2023/11/09
 51: A61K; A61P; C07K
 71: GI INNOVATION, INC.
 72: JANG, MYUNG HO, NAM, SU YOUN, KOH,
 YOUNG JUN

33: KR 31: 10-2021-0020708 32: 2021-02-16
 33: KR 31: 10-2020-0033233 32: 2020-03-18
**54: PHARMACEUTICAL COMPOSITION FOR
 CANCER TREATMENT COMPRISING FUSION
 PROTEIN INCLUDING IL-2 PROTEIN AND CD80
 PROTEIN AND ANTICANCER DRUG**

00: -
 The present invention provides a pharmaceutical composition for cancer treatment comprising a fusion protein including an IL-2 protein and a CD80 protein and an anticancer drug as active ingredients. A fusion protein including a CD80 fragment, immunoglobulin Fc, and an IL-2 variant, which is one embodiment of the present invention, can activate immune cells such as natural killer cells, and at the same time, can control the immune cell regulatory activity of regulatory T cells. In addition, when an anticancer drug is administered in combination with the fusion protein, cancer can be effectively suppressed. Accordingly, the pharmaceutical composition comprising the fusion protein including the IL-2 protein and the CD80 protein and the anticancer drug as active ingredients increases immune activity in the body and thus can be effectively used not only for cancer but also for infectious diseases, and is highly industrially applicable.



21: 2022/10025. 22: 2022/09/08. 43: 2023/11/09
 51: A61F; B65G

71: RUGLI PROJECTS AG
 72: SCHULER, SAMUEL, SCHEIBER, PATRIK, ZUDDAS, ANTONELLO
 33: CH 31: 412/20 32: 2020-04-06

54: DEVICE AND METHOD FOR JOINING MULTI-PART TAMPON APPLICATORS

00: -
 The present invention relates to a device for joining multi-part tampon applicators, in particular three-part tampon applicators, which comprise at least one outer cylinder (101) and a first inner cylinder (102). The device comprises at least one joining station with at least one receiving finger for receiving an outer cylinder and a first inner cylinder (102), and also a first inner cylinder feeder for equipping the at least one receiving finger with at least one first inner cylinder, and an outer cylinder feeder for equipping the at least one receiving finger (13.1, 13.2) with at least one outer cylinder (101). The device further comprises a machining station (16) for joining the at least one outer cylinder to the at least one first inner cylinder (102), and the at least one joining station is arranged radially on a circular disc, in particular such that the at least one receiving finger is oriented substantially radially. The present invention also relates to a method for joining multi-part tampon applicators, in particular three-part tampon applicators.

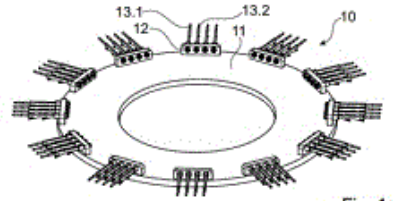


Fig. 1a

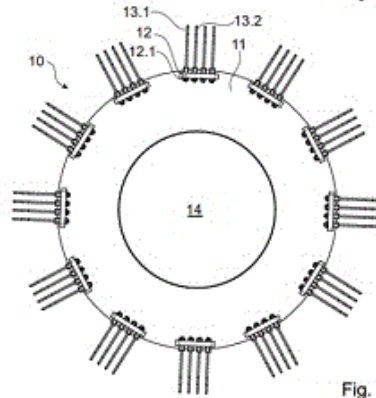


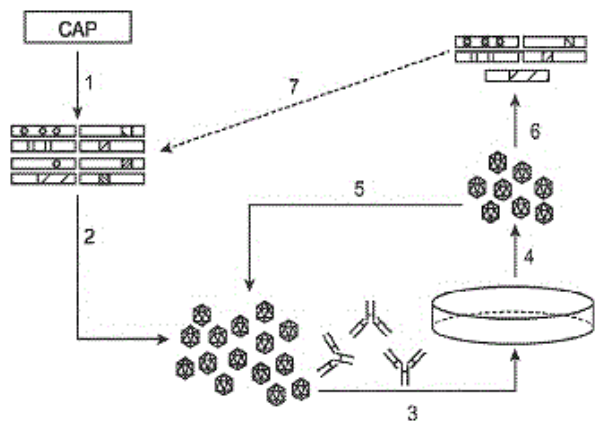
Fig. 1b

21: 2022/10026. 22: 2022/09/08. 43: 2023/11/09
 51: C12N; C07K; A61K

71: 4D MOLECULAR THERAPEUTICS INC.
 72: KOTTERMAN, MELISSA, FRANCIS, PETER, CALTON, MELISSA, GONZALES, JOHNNY, CROZE, ROXANNE, SCHMITT, CHRISTOPHER
 33: US 31: 63/088,432 32: 2020-10-06
 33: US 31: 63/016,246 32: 2020-04-27

54: ADENO-ASSOCIATED VARIANTS, FORMULATIONS AND METHODS FOR PULMONARY DELIVERY

00: -
 The present disclosure provides a variant AAV capsid protein that confers tropism to lung cells and recombinant adeno-associated viruses comprising the variant AAV and pharmaceutical compositions comprising same and their use in the delivery of heterologous nucleic acids to lung cells for the treatment of pulmonary disorders.



21: 2022/10029. 22: 2022/09/08. 43: 2023/11/09
51: A01N; A01P

71: AGRO INNOVATION INTERNATIONAL
72: NGUEMA-ONA, ÉRIC, YVIN, JEAN-CLAUDE
33: FR 31: FR2002511 32: 2020-03-13

54: PHYTOSANITARY COMPOSITION COMPRISING ULVANS AND SILICON

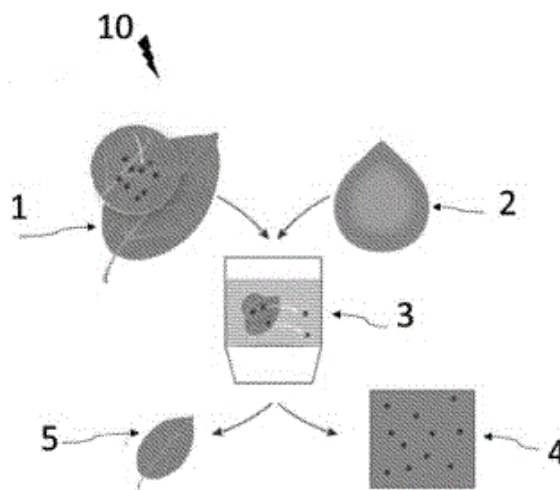
00: -
The invention relates to a phytosanitary composition comprising (i) ulvans and/or oligosaccharides derived from ulvans, for example, in the form of an extract containing ulvans and/or oligosaccharides derived from ulvans; and (ii) silicon, the use of the composition for activating the defence reactions of a plant and resistance reactions against biotic constraints and a process for activating the defence reactions of a plant and resistance reactions against biotic constraints, comprising the application to the plant of an effective quantity of the phytosanitary composition.

21: 2022/10076. 22: 2022/09/09. 43: 2023/11/09
51: A61K; A61P

71: NOVEL CONCEPTS MEDICAL LTD
72: ALKALAY, RACHEL
33: US 31: 62/992,276 32: 2020-03-20
54: COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING A CORONAVIRUS INFECTION

00: -
A method of preventing or treating Coronavirus infection in a subject in need thereof is provided. The method comprising administering to the subject an effective amount of a plant species or genus thereof-derived component selected from the group consisting of a plant part, extract thereof, fraction thereof, active ingredient thereof, synthetic analog

thereof, mimetic thereof or combination thereof, wherein the component is capable of ameliorating symptoms of Coronavirus infection and wherein the plant species is selected from the group consisting of *Nigella sativa*, *Thymus capitatus*, *Thymus vulgaris*, *Origanum syriacum*, *Thymbra spicata*, *Satujera thymbra*, *Sesamum indicum* and *Rhus coriaria* *Gynostemma petaphyllum*, *Boswellia sacra* and *Panax ginseng*, or any plant containing tryptophan preventing or treating Coronavirus in the subject.

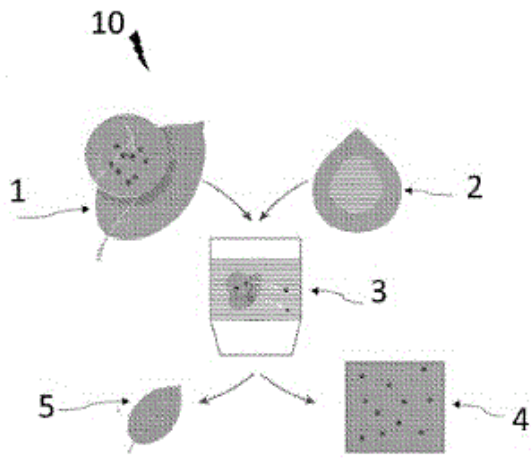


21: 2022/10078. 22: 2022/09/09. 43: 2023/11/09
51: A61K; A61P

71: NOVEL CONCEPTS MEDICAL LTD
72: ALKALAY, RACHEL
33: US 31: 62/992,276 32: 2020-03-20
54: COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING NON-MALIGNANT RESPIRATORY DISEASE

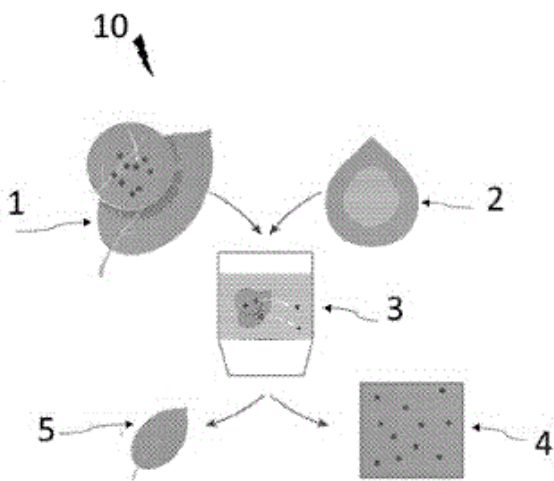
00: -
A method of preventing or treating non-malignant respiratory disease (NMRD) in a subject in need thereof is provided. The method comprising administering to the subject an effective amount of a plant species or genus thereof-derived component selected from the group consisting of a plant part, extract thereof, fraction thereof, active ingredient thereof, synthetic analog thereof, mimetic thereof or combination thereof, wherein the component is capable of ameliorating symptoms of NMRD and wherein the plant species is selected from the group consisting of *Nigella sativa*, *Thymus capitatus*, *Thymus vulgaris*, *Origanum syriacum*, *Thymbra spicata*, *Satujera thymbra*, *Sesamum indicum*, *Rhus*

coriaria, *Gynostemma polyphyllum*, *Boswellia sacra* and *Panax ginseng* preventing or treating NMRD in the subject.



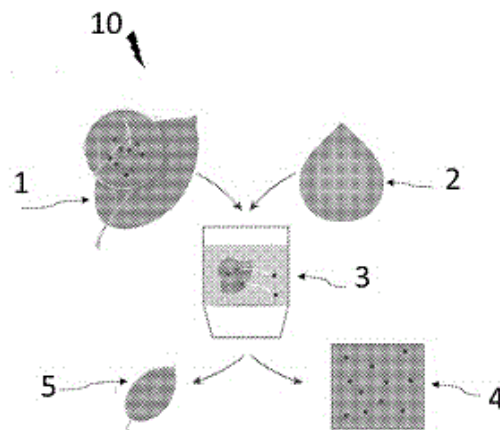
21: 2022/10079. 22: 2022/09/09. 43: 2023/11/09
 51: A61K; C07K; A61P
 71: NOVEL CONCEPTS MEDICAL LTD
 72: ALKALAY, RACHEL
 33: US 31: 62/992,276 32: 2020-03-20
54: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING INFLAMMATORY DISEASES INCLUDING DIABETES MELLITUS 10 TYPE I AND TYPE II AND THYROID DISEASES

00: -
 A method of preventing or treating an inflammatory disease including diabetes type 1 and type 2 in a subject in need thereof is provided. Also provided are pharmaceutical compositions, articles and foods for the treatment of an inflammatory disease.



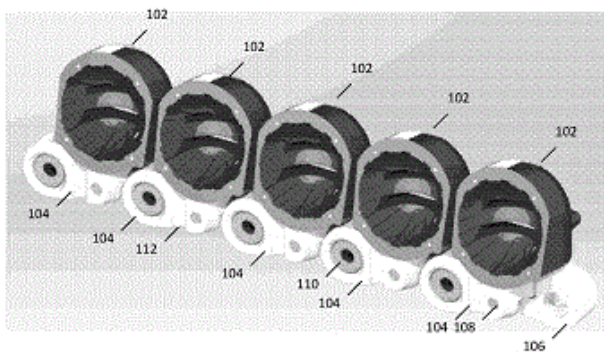
21: 2022/10080. 22: 2022/09/09. 43: 2023/11/09
 51: A61K; A61P
 71: NOVEL CONCEPTS MEDICAL LTD
 72: ALKALAY, RACHEL
 33: US 31: 62/992,276 32: 2020-03-20
54: COMPOSITIONS AND METHODS FOR TREATING SOLID AND SOFT TUMORS AND PROLIFERATIVE DISEASES

00: -
 A method of preventing or treating solid and soft tumors and proliferative diseases in a subject in need thereof is provided. The method comprising administering to the subject an effective amount of a plant species or genus thereof-derived component selected from the group consisting of a plant part, extract thereof, fraction thereof, active ingredient thereof, synthetic analog thereof, mimetic thereof or combination thereof, wherein the component is capable of treating solid and soft tumors and proliferative diseases and wherein the plant species is selected from the group consisting of *Nigella sativa*, *Thymus capitatus*, *Thymus vulgaris*, *Origanum syriacum*, *Thymbra spicata*, *Satujera thymbra*, *Sesamum indicum*, *Rhus coriaria*, *Gynostemma pentaphyllum*, *Boswellia sacra* and *Panax ginseng*, preventing or treating solid and soft tumors and proliferative diseases in the subject.



21: 2022/10082. 22: 2022/09/09. 43: 2023/11/09
 51: B65G; A23N
 71: BROWN INTERNATIONAL CORPORATION, LLC
 72: POORBAUGH, MIKE, TEDESCO, TONY, PAGANO, TERRY
 33: US 31: 62/988,530 32: 2020-03-12
54: SYSTEMS AND METHODS FOR MOVING OBJECTS ALONG A PREDETERMINED PATH
 00: -

Systems and methods are provided for an apparatus for moving objects along a predetermined path. A system includes plurality of conveying units, each conveying unit being connected to two other conveying units. A particular conveying unit includes a first link unit configured for connection to a first neighbor conveying unit. A second link unit is configured for connection to the first link unit, the second link unit further being configured for connection to a first link unit of a second neighbor conveying unit. A cup is detachably connected to the second link unit.



21: 2022/10/22. 22: 2022/09/12. 43: 2023/11/09
 51: H02M
 71: BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD.
 72: FU, SONGGE, WANG, MENG
 33: CN 31: 202010129575.9 32: 2020-02-28
54: CONTROL CIRCUIT OF NPC-TYPE THREE-LEVEL CONVERTER, NPC-TYPE THREE-LEVEL CONVERTER AND WIND POWER GENERATOR SET

00: -
 A control circuit of an NPC-type three-level converter, an NPC-type three-level converter and a wind power generator set. The control circuit, which corresponds to each phase of bridge arm, comprises: a turn-off time control circuit (10) and a timing control circuit (20), wherein the turn-off time control circuit (10) is used for reserving a preset duration for the turning-off of a plurality of IGBT devices of a corresponding phase of bridge arm; the timing control circuit (20) comprises a first sub-circuit (201) and a second sub-circuit (202); each of the first sub-circuit (201) and the second sub-circuit (202) comprises a first fixed delay circuit (1000), a second fixed delay circuit (2000), a first AND gate circuit (3000) and a first OR gate circuit (4000); and

an output end of the timing control circuit (20) is respectively connected to gate ends of the plurality of IGBT devices.

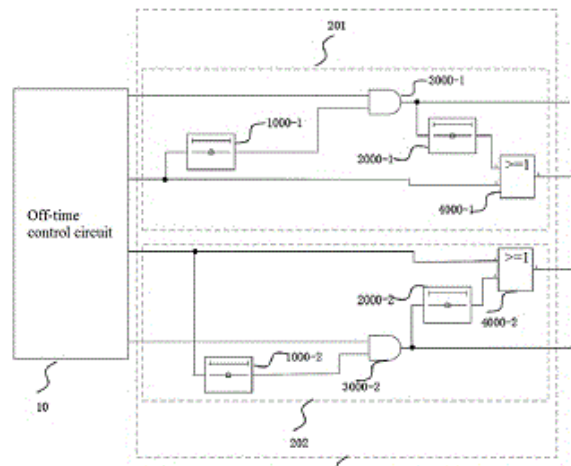


Figure 2

21: 2022/10/24. 22: 2022/09/12. 43: 2023/11/09
 51: C25F; C25B
 71: INDUSTRIE DE NORA S.P.A.
 72: CALDERARA, ALICE, BRICHESI, MARIANNA
 33: IT 31: 102020000006187 32: 2020-03-24
54: METHOD FOR THE TREATMENT OF A METAL SUBSTRATE FOR THE PREPARATION OF ELECTRODES

00: -
 The present invention concerns a method for surface treatment of a metal substrate, suitable for use as electrode support in electrochemical processes, comprising the following steps: (a) immersion of said metal substrate and of at least one counter electrode in an electrolyte selected from hydrochloric acid, nitric acid, boric acid or sulfuric acid at a weight concentration of between 10-40%; (b) application of an anodic current density to said metal substrate of between 0,1 and 30 A/dm² for a time of between 0.5 and 120 minutes. The invention also concerns an electrode for gas evolution in electrochemical processes obtained from a correspondingly treated substrate.

21: 2022/10/27. 22: 2022/09/12. 43: 2023/11/14
 51: A61K
 71: 4D MOLECULAR THERAPEUTICS INC.
 72: KIRN, DAVID H, KOTTERMAN, MELISSA, FRANCIS, PETER, SCHAFFER, DAVID, SZYMANSKI, PAUL, WHITTLESEY, KEVIN

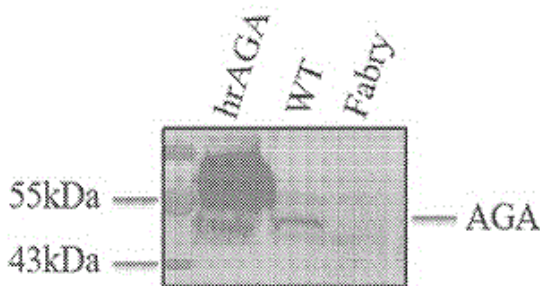
33: US 31: 63/016,207 32: 2020-04-27

33: US 31: 63/114,195 32: 2020-11-16

54: CODON OPTIMIZED GLA GENES AND USES THEREOF

00: -

The present disclosure provides codon optimized nucleotide sequences encoding human alpha-galactosidase A, vectors, and host cells comprising codon optimized alpha-galactosidase A sequences, and methods of treating disorders such as Fabry disease comprising administering to the subject a codon optimized sequence encoding human alpha-galactosidase A.



21: 2022/10129. 22: 2022/09/12. 43: 2023/11/14

51: A01G; F16L

71: NETAFIM LTD

72: GABAY, YUVAL, MASARWA, ABED

33: US 31: 62/994,325 32: 2020-03-25

54: DRIP IRRIGATION PIPE AND AN IRRIGATION SPOUT THEREOF

00: -

A spout member for attachment to an outer side of a drip irrigation pip has a lower side arranged to attach the pipe. The lower side of the spout member includes at least one rib for facilitating its attachment, where attachment may be to an irrigation pipe, possibly a drip irrigation pipe.

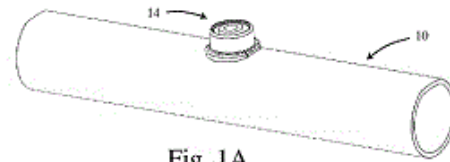


Fig. 1A

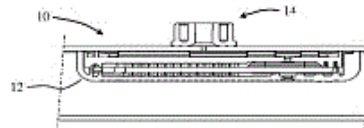
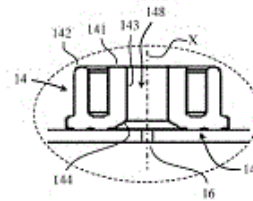


Fig. 1C

21: 2022/10157. 22: 2022/09/13. 43: 2023/11/14

51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: HOSKING, SARAH LOUISE, LANG, DIETMAR

ANDREAS, THOMPSON, MARK LAWRENCE,

TUCKER, IAN MALCOLM

33: EP 31: 20164151.1 32: 2020-03-19

54: DETERGENT COMPOSITION

00: -

The invention provides a method of inhibiting lipase activity in a detergent composition, said method involving incorporation of from 0.25 to 40 wt.% of a saponin into said lipase containing composition, wherein said detergent composition preferably is a home care detergent composition, more preferably a laundry detergent composition; and to the use of saponin to inhibit lipase activity in a detergent composition, preferably a laundry detergent composition, wherein the saponin is present in the detergent formulation at a level of from 0.25 to 40 wt.%, wherein said detergent composition preferably is a home care detergent composition, more preferably a laundry detergent composition.

21: 2022/10159. 22: 2022/09/13. 43: 2023/11/14

51: A01N; A01P; A61L; A61K; A61Q

71: UNILEVER GLOBAL IP LIMITED

72: JONES, DAVID, SAYYED, JABIR GULAB,

SHARMA, KIRTI, TROPIA, DAVID JONATHAN

33: IN 31: 202021018490 32: 2020-04-30

33: EP 31: 20179870.9 32: 2020-06-15

54: AEROSOL COMPOSITION FOR SANITIZATION

00: -
 Disclosed is an aerosol composition comprising: a) 60 wt% to 80 wt% ethanol, propanol, isopropanol or a mixture thereof; b) 15 wt% to 35 wt% propellant; and, c) 1 wt% to 5 wt% water, wherein said composition comprises 0.1 wt% to 2 wt% humectant selected from propylene glycol, dipropylene glycol or glycerol and wherein ratio of base: propellant is 70:30 to 80: 20 parts by weight, where said base comprises every ingredient other than said propellant.

21: 2022/10160. 22: 2022/09/13. 43: 2023/11/14
 51: C11D
 71: UNILEVER GLOBAL IP LIMITED
 72: BENNETT, JULIE, ENGERT, SUSANNE CARINA, RATHS, HANS-CHRISTIAN, THORLEY, DAVID CHRISTOPHER, TÜRK, HOLGER MICHAEL
 33: EP 31: 20169106.0 32: 2020-04-09

54: HAND DISHWASH DETERGENT COMPOSITION

00: -
 A hand dishwash detergent composition comprising:
 • a. a surfactant system comprising:
 • i. a first surfactant being one or more anionic surfactants; and
 • ii. optionally a co-surfactant comprising nonionic and/or amphoteric surfactant; • b. a sulphated ethoxylated C10 Guerbet alcohol surfactant with a number average degree of ethoxylation in the range of 2.5 to 6; wherein the weight ratio of surfactant system (excluding sulphated ethoxylated C10 Guerbet alcohol surfactant) to sulphated ethoxylated C10 Guerbet alcohol surfactant is from 120:1 to 20:1. Use of a sulphated ethoxylated C10 Guerbet alcohol surfactant with a number average degree of ethoxylation in the range of 2.5 to 6 as a foam booster in hand dishwash detergent compositions.

21: 2022/10161. 22: 2022/09/13. 43: 2023/11/14
 51: C11D
 71: UNILEVER GLOBAL IP LIMITED
 72: BENNETT, JULIE, ENGERT, SUSANNE CARINA, RATHS, HANS-CHRISTIAN, THORLEY, DAVID CHRISTOPHER, TURK, HOLGER MICHAEL
 33: EP 31: 20169106.0 32: 2020-04-09

54: LAUNDRY DETERGENT COMPOSITION

00: -

A liquid laundry detergent composition comprising: one or more anionic and /or non-ionic surfactants; and a sulphated ethoxylated C10Guerbet alcohol surfactant with a number average degree of ethoxylation in the range of 2.5 to 6, wherein the weight ratio of total anionic and/or non-ionic surfactants to sulphated ethoxylated C10 Guerbet alcohol surfactant is from 100:1 to 30:1.

21: 2022/10162. 22: 2022/09/13. 43: 2023/11/14
 51: C11D; A01N
 71: UNILEVER GLOBAL IP LIMITED
 72: MEDEPALLI, SRILAXMI VENKATA, RAJAGOPAL, RAMASUBRAMANIAM, PAUL, PINTU, MAHAPATRA, SAMIRAN, SAMPATH KUMAR, RAMYA, SUBRAHMANIAM, NARAYANAN, AR, AKASH
 33: EP 31: 20179157.1 32: 2020-06-10
 33: IN 31: 202021018234 32: 2020-04-28

54: AN AQUEOUS LAUNDRY TREATMENT COMPOSITION

00: -
 The present invention relates to an aqueous laundry treatment composition. Particularly, the present invention relates to an aqueous laundry treatment composition for removing germs from a fabric. The composition comprises (a) from 0.5 to 5 wt% of one or more quaternary ammonium compound, (b) from 0.1 to 5 wt% of one or more organic acid having pKa in the range from 1 to 5.5, (c) from 1 to 5 wt% of a peroxide, and (d) from 0.5 to 5 wt% ethoxylated amine with saturated or unsaturated alkyl groups having carbon atoms in the range from 12 to 22 and 1 to 50 ethoxylate groups.

21: 2022/10163. 22: 2022/09/13. 43: 2023/11/14
 51: C08L
 71: UNILEVER GLOBAL IP LIMITED
 72: DAS, SANDIP, GADGEEL, ARJIT AJAY, KURUGANTI, THEJASWI SESHA, MHASKE, SHASHANK TEJRAO
 33: EP 31: 20167996.6 32: 2020-04-03

54: RECYCLED RESIN COMPOSITION

00: -
 This invention relates to a recycled resin composition having a recycled polyolefin. It also relates to films and package comprising the resin composition. It is thus an object of the present invention to provide a recycled resin composition with improved functional property which is like virgin

polyolefin. It is yet another object of the present invention to provide an article having increased inclusion levels of the recycled resin composition without compromising on the processability and functional parameters. The present inventors have found that the mechanical, and in particular the tensile properties of recycled polyolefin are remarkably improved in the recycled resin composition of the present invention when a terminal end of a unit of recycled polyolefin is linked to a functional polymer by a terminal bonding such that the recycled resin composition has a weight average molecular weight from 10000 Kg/mol to 50000 Kg/mol.

21: 2022/10212. 22: 2022/09/14. 43: 2023/11/08
51: B05B; F04B

71: DÜRR SYSTEMS AG

72: MARTIN, HERBERT, KUBACH, ERHARD, MICHELFELDER, MANFRED

33: DE 31: 10 2020 109 973.8 32: 2020-04-09

54: COATING AGENT PUMP, COATING INSTALLATION AND ASSOCIATED OPERATING METHOD

00: -

The invention relates to a coating agent pump (5) for conveying a coating agent in a coating installation, comprising a pump inlet (25), an inlet region (26), a pump outlet (27) and an outlet region (28). The coating agent pump additionally comprises a recirculation connection (39) on the outlet side for discharging the coating agent into a recirculation line (10) leading back to an ink supply. The invention also relates to a coating installation comprising such a coating agent pump (5). Furthermore, an operating method for a coating installation is disclosed, in which the coating agent in the pressure line (4) is pressed back into the ink supply (7) by introducing compressed air into the pressure line (4) and by opening a recirculation valve (18) arranged on the recirculation connection (39).

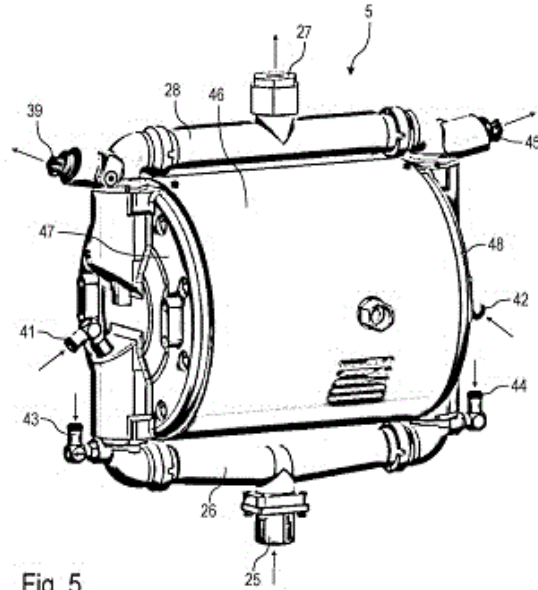


Fig. 5

21: 2022/10214. 22: 2022/09/14. 43: 2023/11/08
51: A61P; C07K

71: HOBER BIOTECH AB

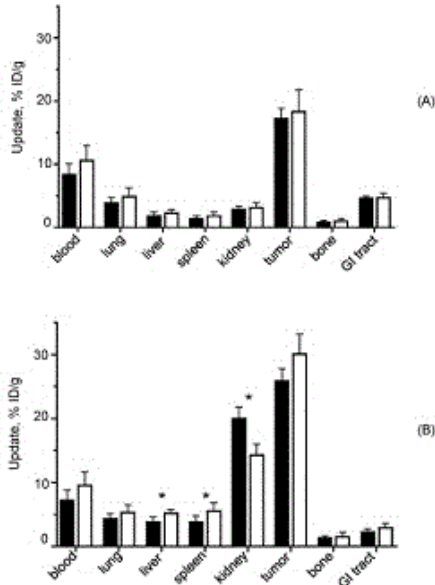
72: HOBER, SOPHIA, VON WITTING, EMMA, GAROUSHI, JAVAD, TOLMACHEV, VLADIMIR

33: EP 31: 20161922.8 32: 2020-03-09

54: THERAPEUTIC AGENT TARGETING HER2

00: -

There is provided a therapeutic conjugate comprising a fusion protein and a cytotoxic radionuclide, which cytotoxic radionuclide is bound to the fusion protein. The fusion protein comprises a certain HER2-binding region (HBR), a certain albumin-binding region (ABR) and a spacer region.



21: 2022/10218. 22: 2022/09/14. 43: 2023/12/12
 51: B60T
 71: CMBF, LLC
 72: BOULIVAN, Guillaume, CAREY, Sean, RHEAD, Philip
 33: US 31: 62/987,598 32: 2020-03-10
54: MODULAR ELECTRONIC BRAKE SYSTEM
 00: -

A brake system to couple between brakes and actuators provides a modular format that allows a plurality of braking modules (12, 14, 16, 18) to be coupled together at interfaces and coupled to other modules to handle a variety of different braking scenarios. Each braking module (12, 14, 16, 18) includes a housing (54, 56) forming a manifold for the delivery of fluid to the interfaces (90) of the modules for exchange between the modules. The braking modules (12, 14, 16, 18) include a hydraulic valve (68) coupled with a pressurized fluid source for delivering fluid to implement a braking function. The modules (12, 14, 16, 18) also include an electro-hydraulic valve (50, 52) configured for receiving electrical input signals and configured for delivering fluid from the pressurized fluid source to the hydraulic valve (68) at an actuation pressure that is proportional to the system pressure based on the levels of the received electrical input signals. Module interfaces (90) are positioned on respective sides of the housings (54, 56) for coupling the braking modules (12, 14, 16, 18) together and include a repeated pattern of apertures (100) for aligning between the braking modules (12, 14, 16, 18). The

aligned apertures (100) are configured for passing fluid at the system pressure and fluid at the tank pressure between the plurality of braking modules (12, 14, 16, 18).

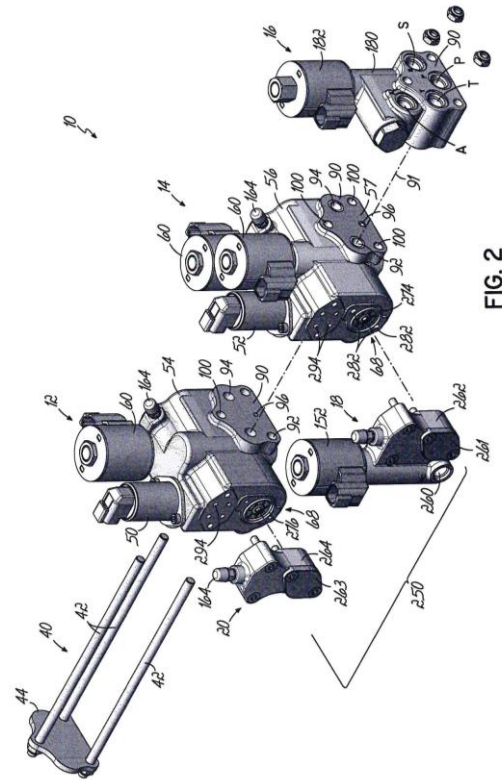


FIG. 2

21: 2022/10250. 22: 2022/09/15. 43: 2023/11/08
 51: C25B; C02F; F04B; B63B
 71: LONE GULL HOLDINGS, LTD.
 72: SHELDON-COULSON, GARTH ALEXANDER, MOFFAT, BRIAN LEE, PLACE, DANIEL WILLIAM, THORSON, IVAR LEE
 33: US 31: 63/060,145 32: 2020-08-03
 33: US 31: 63/026,670 32: 2020-05-18
 33: US 31: 62/978,299 32: 2020-02-19

54: INERTIAL HYDRODYNAMIC PUMP AND WAVE ENGINE

00: -
 A buoyant hydrodynamic pump is disclosed that can float on a surface of a body of water over which waves tend to pass. Embodiments incorporate an open-bottomed tube with a constriction. The tube partially encloses a substantial volume of water with which the tubes constriction interacts, creating and/or amplifying fluid-flow oscillations therein in response to wave action. Wave-driven oscillations result in periodic upward ejections of portions of the

water inside the tube that can be collected in a reservoir that is at least partially positioned above the mean water level of the body of water, or pressurized by compressed air or gas, or both. Water within such a reservoir may return to the body of water via a turbine, thereby generating electrical power (making the device a wave engine), or the devices pumping action can be used for other purposes such as water circulation, propulsion, dissolved minerals extraction, or cloud seeding. Methods are disclosed for manufacture of hydrogen at sea and for delivery of said hydrogen using a ship. Methods are disclosed for filling a hydrogen-loaded carrier ship at sea.

21: 2022/10252. 22: 2022/09/15. 43: 2023/11/08
 51: B65G
 71: HAYES-IVY MANUFACTURING, INC.
 72: KNIGHT, PETER H
 33: US 31: 16/867,474 32: 2020-05-05

54: TUNNEL CURTAIN

00: -
 A tunnel may have a housing with an entrance, an exit, and a pathway extending from the entrance to the exit through the housing. The tunnel may be used for performing operations, such as cleaning operations within the tunnel. A conveyor may be configured to move articles through the housing along the pathway. One or more detectors may be configured at discrete locations along the pathway. One or more curtains may be configured between the entrance and the exit of the housing to partition the pathway into two or more segments. One or more sensors may be configured in each curtain. The one or more sensors may be detectable by the one or more detectors to determine the presence, position, orientation, or other characteristic of each curtain.

21: 2022/10295. 22: 2022/09/16. 43: 2023/11/08
 51: F04D
 71: LONE GULL HOLDINGS, LTD.
 72: SHELDON-COULSON, GARTH ALEXANDER, MOFFAT, BRIAN LEE, PLACE, DANIEL WILLIAM
 33: US 31: 16/538,472 32: 2019-08-12
 33: US 31: 62/739,190 32: 2018-09-29
 33: US 31: 62/768,968 32: 2018-11-18
 33: US 31: 62/718,383 32: 2018-08-14
 33: US 31: 62/719,648 32: 2018-08-18
 33: US 31: 62/831,202 32: 2019-04-09

33: US 31: 62/755,427 32: 2018-11-03
 33: US 31: 62/724,629 32: 2018-08-30
54: INERTIAL HYDRODYNAMIC PUMP AND WAVE ENGINE

00: -
 A hydrodynamic pump is disclosed that can float on a surface of a body of liquid over which waves tend to pass. The pump includes: a buoy configured to float at an upper surface of a body of water; and a hollow tapered tube depending from the buoy. The tube includes a lower inlet aperture configured to be in fluid communication with an interior of the body of water and an upper discharge spout configured to be in fluid communication with a gaseous atmosphere. The lower inlet aperture has a larger cross-sectional area than a cross-sectional area of the upper discharge spout. The hydrodynamic pump is adapted to expel water upwardly from the upper discharge spout when rising and falling in response to the passage of waves.

21: 2022/10320. 22: 2022/09/16. 43: 2023/11/08
 51: F02B; F02M; F02D; F02F
 71: MAYMANN RESEARCH, LLC
 72: SHMUELI, YEHUDA, SHMUELI, EITAN, SHMUELI, DORON
 33: US 31: 17/199,800 32: 2021-03-12
 33: US 31: 62/990,104 32: 2020-03-16
54: A HOMOGENEOUS CHARGE COMPRESSION IGNITION (HCCI-TYPE) COMBUSTION SYSTEM FOR AN ENGINE AND POWERTRAIN USING WET-ALCOHOL AS A FUEL AND INCLUDING HOT ASSIST IGNITION

00: -
 An internal combustion-type engine or powertrain that is capable of burning wet-alcohol fuel mixture and including a piston reciprocating within a cylinder attached to a cylinder head and connecting to a crank shaft via a connecting rod. An intake cam and valve is mounted within an intake port formed in the cylinder head and an exhaust cam and valve is mounted within an exhaust port also formed in the cylinder head. A pressurized fuel source is introduced into the cylinder by a fuel injector and the percentage of water in the alcohol/water mix operates to prolong the cylinder pressure in order to increase a mean effective pressure (IMEP), leading to a higher torque (improved Brake Mean Effective Pressure- BMEP) of the engine via a longer pressure pulse attained during the period of

preferred mechanical advantage of the crank-arm of the engine

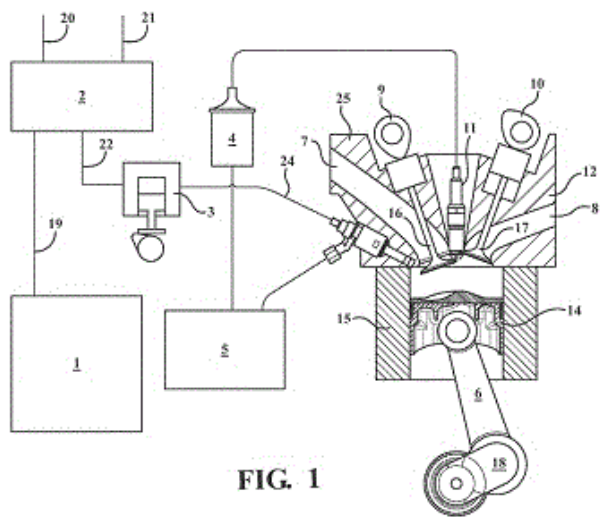


FIG. 1

21: 2022/10361. 22: 2022/09/19. 43: 2023/11/08
51: B65D

71: LIQUI-BOX CORPORATION

72: FARKAS, NICHOLAS, CHOPIN, LAMY

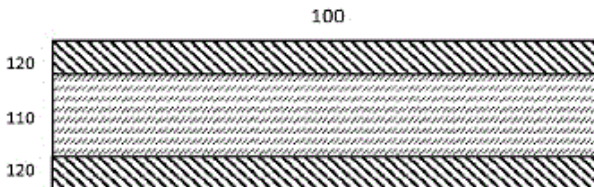
33: US 31: 63/054,309 32: 2020-07-21

33: US 31: 62/990,540 32: 2020-03-17

54: RECYCLABLE FLEXIBLE FILMS AND BAGS FOR PACKAGING FLOWABLE MATERIALS

00: -

The disclosure provides ethylene/ -olefin copolymer based co-extruded, multi-layer films, including barrier films and non-barrier films, and articles of manufacture that include the films, such as flexible bags and containers for flowable materials. The films and articles that include the films have improved flex-crack resistance and toughness. The films and articles that include the films have good barrier properties as the barrier films include a core layer of ethylene-vinyl alcohol (EVOH) copolymer having a high ethylene content. The low amount of EVOH copolymer in the total film that is needed to achieve the flex-crack resistance, toughness, and good barrier properties, further allow for the recycling of the films and articles of manufacture.



21: 2022/10409. 22: 2022/09/20. 43: 2023/11/09

51: A61P; A61K; C07D; C07C

71: MITOKININ, INC.

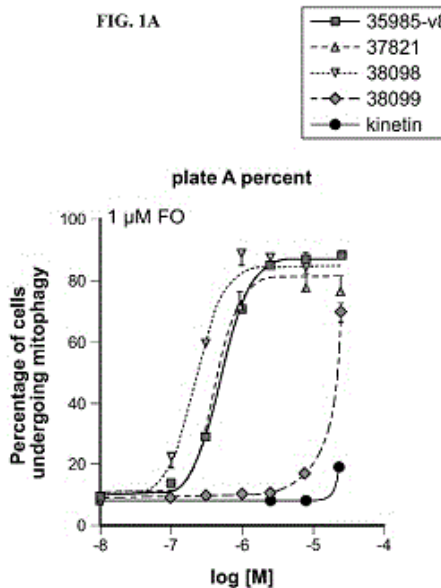
72: HERTZ, NICHOLAS THOMAS, DITSWORTH, DARA, BARTHOLOMEUS, JOHAN, JOHNSTONE, SHAWN, CHIN, RANDALL MARCELO, DEVITA, ROBERT, MCGEE, PHILIPPE, DANSEREAU, JULIEN, RAKHIT, RISHI

33: US 31: 62/980,143 32: 2020-02-21

54: COMPOSITIONS AND METHODS OF USING THE SAME FOR TREATMENT OF NEURODEGENERATIVE AND MITOCHONDRIAL DISEASE

00: -

The present disclosure is directed to adenine analogs, methods of making adenine analogs, and methods of treating disorders associated with PINK1 kinase activity including, but not limited to, neurodegenerative diseases, mitochondrial diseases, fibrosis, and/or cardiomyopathy using these analogs. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present invention.



21: 2022/10410. 22: 2022/09/20. 43: 2023/11/14

51: B65D; B65B

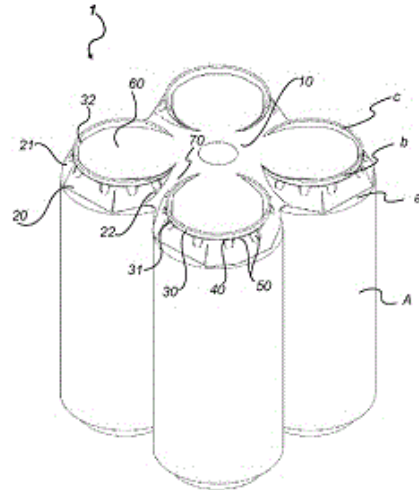
71: HERRERA MUÑOZ, JORGE FUNDADOR

72: HERRERA MUÑOZ, JORGE FUNDADOR

54: CARRIER DEVICE FOR GROUPING AND TRANSPORTING A SET OF BEVERAGE CANS

00: -

Carrier device (1) for grouping and transporting a set of cans (A) of beverages, thus forming a package, where the cans are of the type having a frustoconical upper portion (a) with a projecting upper rim (b) defining an upper plane (c), said device being manufactured from a single laminar body having, for each can, a receiving opening of which the contour has a series of retaining tabs that fit underneath the projecting rim of the can when the device is mounted on the plurality of cans to form a package, where the device allows for a strong grip with little material, allows for grouping the cans without laterally protruding material portions and provides a continuous top surface that protects the cans and increases the top area available for advertising printing; the carrier (1) comprises an upper central area (10) arranged on a level above the top plane (c) of the cans (A); clamping flanges (20) surround and fit snugly to the frustoconical portion (a) of the can (A), and have a mantle (21) with rising proximal ends (22); receiving openings (30) for the cans (A) have a series of radial cuts (40) forming two types of retaining tabs (50), where each receiving opening (30) comprises a perimeter contour (31) generated by a polygonal-elliptical cut line (32), which in turn generates a covering flap (60) that remains attached and co-planar to the central area (10) of the device (1); and transition portions (70) that extend in a downward sloping manner as a continuation of the upper central area (10) and join laterally with the proximal ends (22) of the flanges (20).



21: 2022/10411. 22: 2022/09/20. 43: 2023/11/07

51: A01N; A01G

71: OPTICEPT TECHNOLOGIES AB

72: DEMIR WESTMAN, EDA, DYMEK

KRAKOWIAK, KATARZYNA, KWAO, STEPHEN,

PAPAIIOANNOU, REVEKKA, HUSAIN, AHMAD

33: SE 31: 2050235-7 32: 2020-03-03

33: SE 31: 2050637-4 32: 2020-06-03

54: A METHOD FOR TREATING A BIOLOGICAL OBJECT

00: -

The present invention describes a method for treating a biological object being a cutting, root, sprout, budwood, rootstock, forest plant, fruit, vegetable, green leave, bulb, seed, or berry, said method comprising - arranging the biological object in an aqueous impregnation solution so that at least a portion of the biological object is immersed in the impregnation solution, but where at least another part of the biological object is kept free from aqueous impregnation solution; and - applying vacuum impregnation or pressure impregnation, preferably vacuum impregnation, to the aqueous impregnation solution when said at least portion of the biological object is immersed into the aqueous impregnation solution.

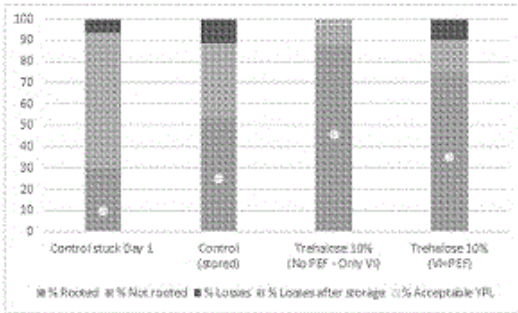
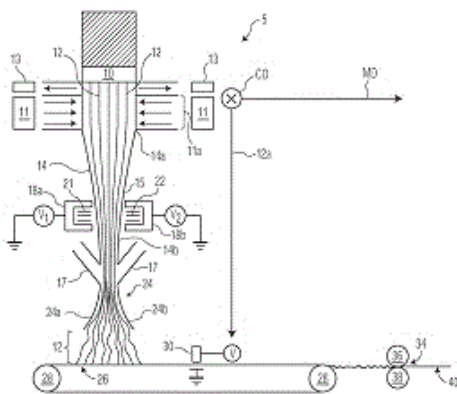


Figure 1 / Diagram 1

21: 2022/10461. 22: 2022/09/21. 43: 2023/11/07
 51: D01D; D04H
 71: KIMBERLY-CLARK WORLDWIDE, INC.
 72: HAYNES, BRYAN D, LENNON, ERIC E
 33: US 31: 62/985,712 32: 2020-03-05

54: IMPROVED SPUNBOND SYSTEM AND PROCESS

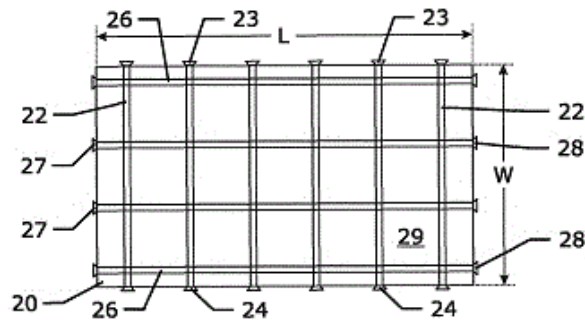
00: -
 A system and method for providing a plurality of fibers from a spinneret; subjecting the fibers to quench air; attenuating the fibers through a closed stretching unit; reducing a velocity of the plurality of fibers in a diffuser that is spaced apart from an exit of the closed stretching unit in a direction of travel of the fibers, the diffuser having opposed diverging sidewalls; and subjecting the fibers to an applied electrostatic charge before the fibers enter the diffuser, wherein the electrostatic charge is applied by one or more electrostatic charging units.



21: 2022/10471. 22: 2022/09/21. 43: 2023/11/14
 51: E04B; E04C; E02D; E01C
 71: NV BEKAERT SA, CCL STRESSING INTERNATIONAL LIMITED
 72: THOOFT, HENDRIK, HAYEK, CAROL
 33: EP 31: 20075006.5 32: 2020-03-24

54: POST-TENSIONED CONCRETE SLAB WITH FIBRES

00: -
 A concrete slab (20) comprises conventional concrete and a combined reinforcement of both post-tension steel strands (22, 26) and fibres (29). The post-tension steel strands (22, 26): - have a diameter ranging from 5 mm to 20 mm, - have a tensile strength higher than 1700 MPa. The fibres (29) are present in a dosage ranging from 10 kg/m³ to 40 kg/m³ in case of steel fibres are in a dosage ranging from 1,5 kg/m³ to 9 kg/m³ in case of macro-synthetic fibres.

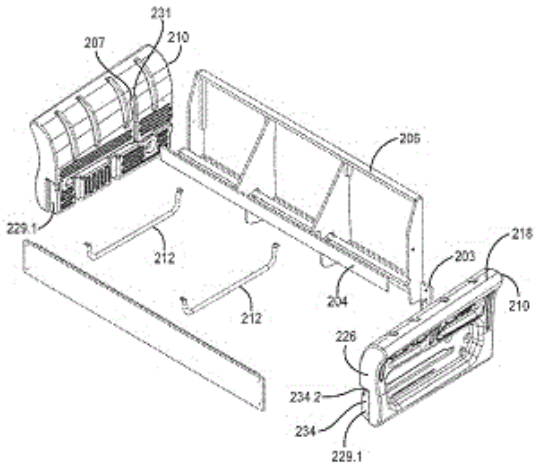


21: 2022/10473. 22: 2022/09/21. 43: 2023/11/07
 51: A47C; B68G
 71: ASHLEY FURNITURE INDUSTRIES, LLC
 72: BRANDTNER, TIMOTHY A, ROBINSON, NICHOLAS J
 33: US 31: 62/990,287 32: 2020-03-16
 33: US 31: 63/039,445 32: 2020-06-15

54: UPHOLSTERED FURNITURE INCLUDING MOLDED FURNITURE COMPONENTS

00: -
 An upholstered piece of furniture with a frame including a pair blow molded hollow arm rest forms, wherein spanning wood frame members extend between the forms. The wood frame members secured to the forms with interference fits, and minimal threaded fasteners. The arm rest forms have through slots which allow the seat deck and arm upholstery to be pulled through and anchored with staples providing a secure attachment. Threaded fasteners clamp onto the polymer wall of the forms for attachment of frame members. A blowmolded backrest has a metal reinforcing arms connecting to a seat platform. Holes in arm rest allow upholstery panel connections with Christmas tree connectors. The connections to the arm rest forms and providing a geometrically rigid and robust

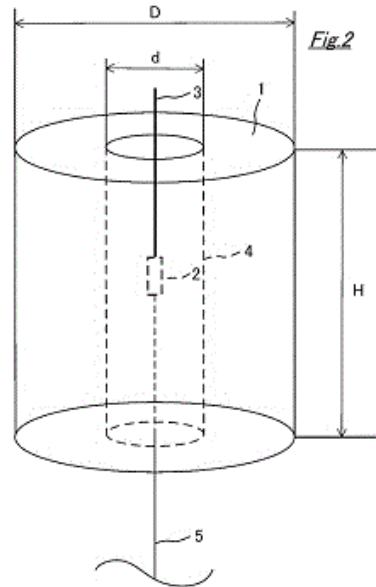
sofa frame that is weighs less, is quicker to assemble, and is more robust. The finishing of the sofa is also quicker and easier than conventional sofas.



21: 2022/10522. 22: 2022/09/22. 43: 2023/11/14
 51: D01F
 71: NIPPON FIBER CORPORATION
 72: FUKAZAWA, HIROSHI
 33: JP 31: 2020-052418 32: 2020-03-24

54: FIBER AND FIBER MANUFACTURING METHOD

00: -
 The purpose of the present invention is to provide a fiber and a fiber manufacturing method that can more effectively utilize waste discharged from an integrated coal gasification combined cycle. The fiber includes, as a material, waste discharged from an integrated coal gasification combined cycle (IGCC).



21: 2022/10523. 22: 2022/09/22. 43: 2023/11/08
 51: A23L

71: UNILEVER IP HOLDINGS B.V.
 72: CEBOTARESCU, LIVIA, CORREIA GARCIA, JANAINA, DI SEVO NESSO, ANGELA, LEFEVRE GRAGNANI, MARCO ANTONIO, MAINX, MARGARETHA MAREIKE, RAMOS DOS SANTOS, FELIPE AUGUSTO, TAMMES, HARMANNUS, CAMILO DE OLIVEIRA, MARCELO
 33: EP 31: 20172516.5 32: 2020-04-30

54: COMPOSITION FOR MAKING BOUILLONS

00: -
 The objective of the current invention is to provide a composition that can be used for making bouillons, soups and gravies, and that is free from kitchen salt. Such composition has now been developed, preferably in the form of a solid or pasty cube, for preparing a bouillon, to which no kitchen salt has been added, and which contains a specific ratio of native starch and maltodextrin and/or glucose syrup. This ratio between these ingredients leads to a good quality composition that can be prepared in the same way as regular compositions for making bouillons that do contain kitchen salt.

21: 2022/10572. 22: 2022/09/23. 43: 2023/11/09
 51: A61K; A61P; A61Q
 71: RICERFARMA S.R.L.
 72: CERINI, ROBERTO
 33: IT 31: 102020000004069 32: 2020-02-27

54: TOPICAL COMPOSITIONS DESIGNED TO MAINTAIN AND/OR RESTORE THE INTEGRITY OF THE MUCOSA AND DAMAGED EPIDERMIS

00: -
Disclosed are topical mucoadhesive compositions comprising hyaluronic acid or a salt thereof, choline alfoscerate, an ascorbic acid ester at a concentration ranging between 0.050% w/w and 0.0004% w/w, and at least one pharmaceutically acceptable excipient or carrier.

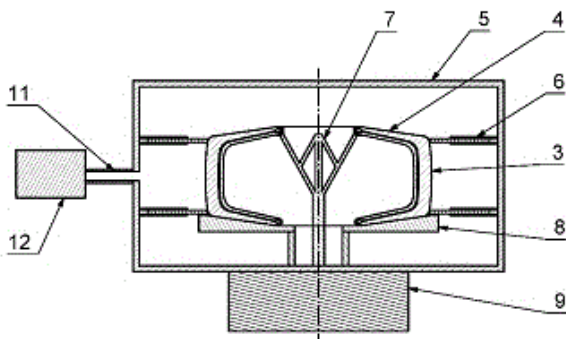
21: 2022/10574. 22: 2022/09/23. 43: 2023/11/09
51: B29D; B29C; H05B

71: ROMILL S.R.O.
72: VOPÁLKA, ROMAN, TERNOVOJ, NIKOLAJ, POLCER, PAVEL

33: CZ 31: PV 2020-95 32: 2020-02-24

54: AN APPARATUS FOR AND A METHOD OF MICROWAVE HEATING OF ROTATABLE ARTICLES, ESPECIALLY GREEN TYRE BLANKS

00: -
The invention relates to an apparatus for and a method of microwave heating of rotatable articles, wherein the apparatus comprises at least one microwave radiation source (12), at least one wave guide (11) and a heating chamber (5) for receiving a rotatable article which comprises a material absorbing microwave radiation. Each microwave radiation source (12) is connected to the heating chamber (5) via at least one wave guide (11) having at least one inlet in a lateral wall of the heating chamber (5). At least one cover (6) is mounted in the heating chamber (5) and/or at least one cover (6) is vertically slidable relative to the lateral wall of the heating chamber (5) in combination with at least one cover (6) comprising a stationary ring (13) on the outer circumference of said area and at least one extendable portion (14) on the inner circumference of said area.

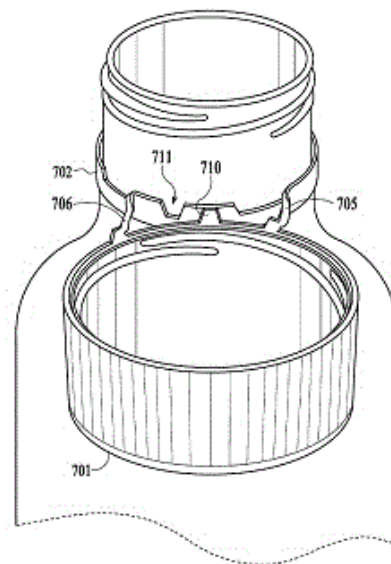


21: 2022/10575. 22: 2022/09/23. 43: 2023/11/09

51: B65D
71: THISCAP, INC.
72: MAGUIRE, MICHAEL JOSEPH
33: US 31: 16/834,916 32: 2020-03-30

54: CAP FOR CONTAINER

00: -
A cap for a container is formed so that the cap has a top plate and a circular sidewall. Two opposite sides of the circular sidewall circularly connect to each other, one periphery of the circular sidewall connecting to one surface of the top plate forming a closed end, and another periphery of the circular sidewall at an opposite side of the closed end forms an opened end. Incisions are in the circular sidewall. The incisions form a ring member located at the opened end of the cap separated from a main body of the cap by a first incision and a second incision between the opened end of the main body and the ring member.



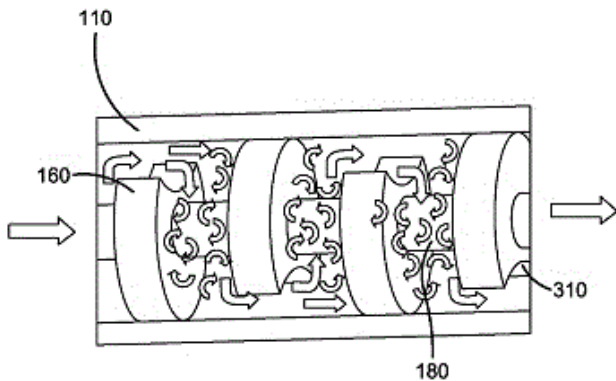
21: 2022/10578. 22: 2022/09/23. 43: 2023/11/09
51: B01F; A61L; C02F; C09K; C10G; C01G

71: BAUER, WALTER JACOB
72: BAUER, WALTER JACOB
33: US 31: 63/018,880 32: 2020-05-01

54: LIQUID TREATMENT SYSTEM AND METHOD

00: -
Provided is a method for treating a liquid, the method including: receive a liquid; passing the liquid through a generator to cut and shear the liquid and releasing the resultant liquid for use. Also provided is a liquid treatment system including: a source of liquid; a generator in fluid communication with the

liquid source which cuts and shears the liquid; a pump which produces liquid flow through the system; and an outlet through which the treated liquid flows.



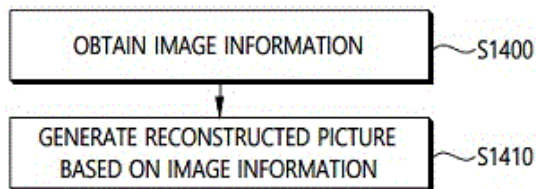
21: 2022/10631. 22: 2022/09/26. 43: 2023/11/09
51: H04N

71: LG ELECTRONICS INC.
72: YOO, SUNMI, CHOI, JUNGAH, HEO, JIN, CHOI, JANGWON

33: US 31: 62/982,744 32: 2020-02-27

54: IMAGE DECODING METHOD AND APPARATUS THEREFOR

00: -
An image decoding method performed by a decoding apparatus according to the present document is characterized by comprising the steps of: acquiring image information; and generating a reconstructed picture on the basis of the image information.



21: 2022/10636. 22: 2022/09/26. 43: 2023/11/07
51: A61K; A61P

71: HENAN GENUINE BIOTECH CO., LTD.
72: CHANG, JUNBIAO, DU, JINFANG, JIANG, JIANDONG, LI, YUHUAN

33: CN 31: 202010125799.2 32: 2020-02-27

54: USE OF NUCLEOSIDE COMPOUND IN TREATMENT OF CORONAVIRUS INFECTIOUS DISEASES

00: -

Use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of drugs for preventing or treating coronavirus infectious diseases. The compound represented by formula (I) is used for treating patients with novel coronavirus pneumonia, and shows obvious advantages in negative conversion ratio of viral nucleic acid test, negative conversion course, and cure and hospital discharge time.

21: 2022/10670. 22: 2022/09/27. 43: 2023/11/09
51: H04S

71: DOLBY INTERNATIONAL AB
72: KEILER, FLORIAN, BOEHM, JOHANNES
33: EP 31: 13290255.2 32: 2013-10-23

54: METHOD FOR AND APPARATUS FOR DECODING AN AMBISONICS AUDIO SOUNDFIELD REPRESENTATION FOR AUDIO PLAYBACK USING 2D SETUPS

00: -
Sound scenes in 3D can be synthesized or captured as a natural sound field. For decoding, a decode matrix is required that is specific for a given loudspeaker setup and is generated using the known loudspeaker positions. However, some source directions are attenuated for 2D loudspeaker setups like e.g. 5.1 surround. An improved method for decoding an encoded audio signal in soundfield format for L loudspeakers at known positions comprises steps of adding (10) a position of at least one virtual loudspeaker to the positions of the L loudspeakers, generating (11) a 3D decode matrix (D'), wherein the positions (Formula I) of the L loudspeakers and the at least one virtual position (Formula II) are used, downmixing (12) the 3D decode matrix (D'), and decoding (14) the encoded audio signal (i14) using the downscaled 3D decode matrix (Formula III). As a result, a plurality of decoded loudspeaker signals (q14) is obtained.

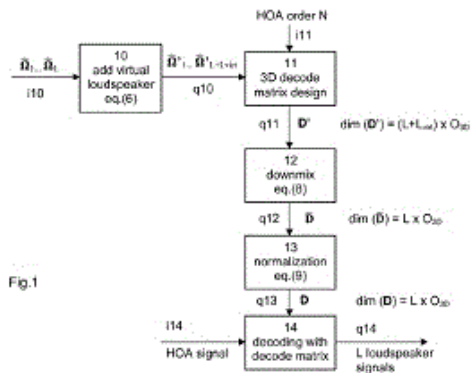


Fig.1

- (a₁, a₂) (i)
- (a₁, a₂, a₃) (ii)
- (D) (iii)

The present disclosure pertains to surfactants for use in the formulation of detergents, foaming agents, emulsifiers, and degreasers. Some aspects of the invention include formulations suitable for cleaning and/or condition fabrics including upholstery. Some formulations are suitable for in home or commercial dry cleaning. Some of the formulations may be suitable for cleaning hard surfaces including plastic surfaces.

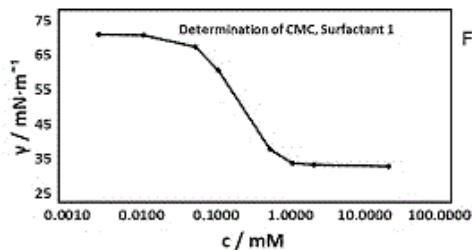


FIG. 1

21: 2022/10736. 22: 2022/09/28. 43: 2023/11/09

51: C07C; A01N

71: ADVANSIX RESINS & CHEMICALS LLC

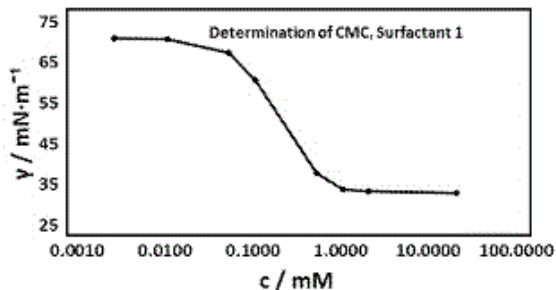
72: ASIRVATHAM, EDWARD

33: US 31: 62/988,203 32: 2020-03-11

54: SURFACTANTS FOR AGRICULTURAL PRODUCTS

00: -

Agricultural products, such as pesticides, plant growth regulators, fungicides, herbicides, and insecticides, may be formulated to include one or more surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.



21: 2022/10737. 22: 2022/09/28. 43: 2023/11/09

51: C11D; D06L

71: ADVANSIX RESINS & CHEMICALS LLC

72: ASIRVATHAM, EDWARD

33: US 31: 62/988,211 32: 2020-03-11

54: SURFACTANTS FOR CLEANING PRODUCTS

00: -

21: 2022/10738. 22: 2022/09/28. 43: 2023/11/09

51: A61K; A61Q

71: ADVANSIX RESINS & CHEMICALS LLC

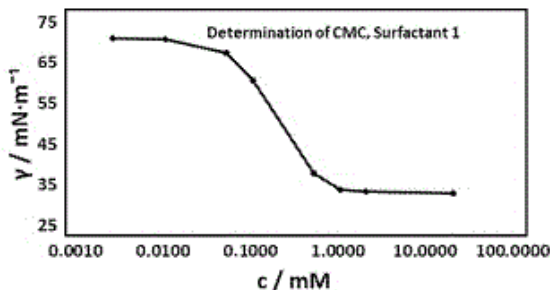
72: ASIRVATHAM, EDWARD

33: US 31: 62/988,201 32: 2020-03-11

54: SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS

00: -

Personal care products, such as shampoos, conditioners, hair dyes, hair removal products, cleansers, cosmetics, mascaras, and toothpastes may be formulated to include one or more surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.



21: 2022/10740. 22: 2022/09/28. 43: 2023/11/09

51: A61M

71: MOLEDA, JAROSLAW

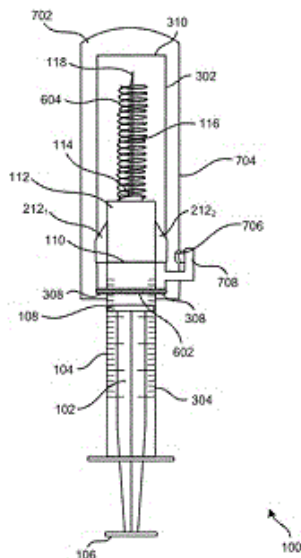
72: MOLEDA, JAROSLAW

33: US 31: 16/831,824 32: 2020-03-27

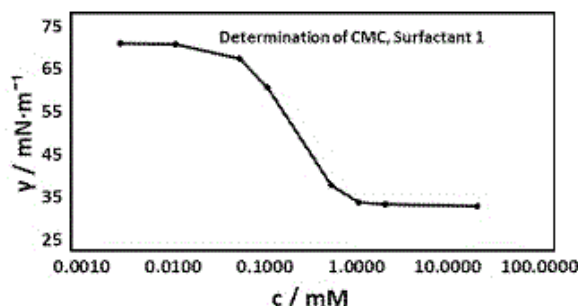
54: NEEDLE-BASED DEVICE WITH A SAFETY MECHANISM IMPLEMENTED THEREIN

00: -

A method includes protecting an entire length of a needle of a needle-based device protruding from a needle mount coupled to a body thereof based on providing a needle shield configured to completely encompass the entire protruding length of the needle in a first state of disuse of the needle-based device, and retracting the needle shield in a first direction toward the body to cause the needle to emerge out of the needle shield to prepare the needle-based device for a second state of use. The method also includes transitioning the needle-based device back to the first state of disuse in accordance with a force applied in a second direction, securedly maintaining the needle shield in the first state of disuse, and locking the needle shield with a lock button formed on the needle shield or external thereto in the first state of disuse of the needle-based device.



as: prescription drugs, over the counter drugs; minerals, herbal, and/or vitamin supplements; drugs administered in hospitals, clinics, physician's office, and places of palliative care; vaccines, tissue, organ, and cell transplants and/or grafts and/or infusions; and wound care formulations including topical ointments, lotions, cleaners, wipes, bandages, and dressings. The Active may be included in the formulations as a solute, a solvent, a particle, or an oil immiscible component of the formulation. The Active may be included in tablets, capsules, tinctures, liquids, or emulsions. Inventive healthcare formulations include formulations suitable for administration orally, topically, and/or by injection.



21: 2022/10789. 22: 2022/09/29. 43: 2023/11/14
 51: C07G; C07B; C03C; C08H
 71: ROCKWOOL A/S
 72: BARTNIK JOHANSSON, DORTE, NIKOLIC, MIROSLAV
 33: EP 31: PCT/EP2020/059651 32: 2020-04-03
54: MINERAL FIBRE PRODUCT

00: -

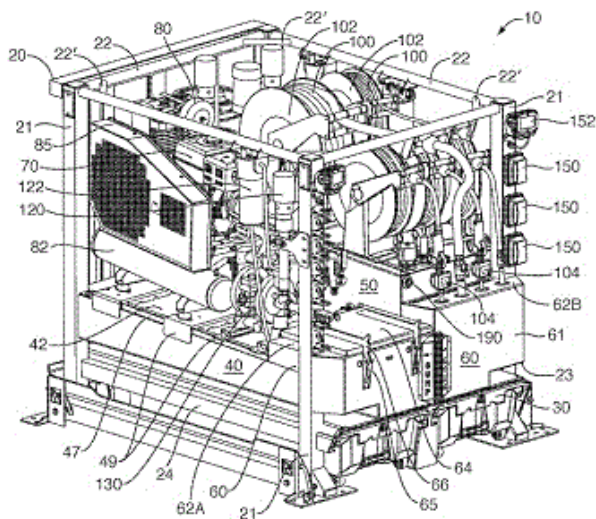
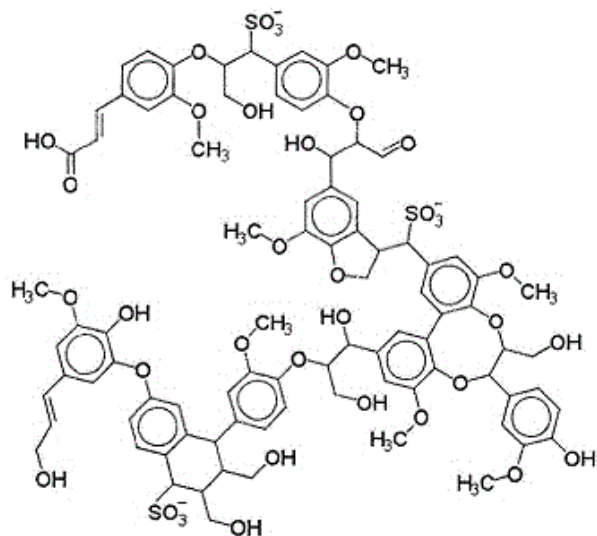
The present invention is directed to a mineral fibre product, comprising mineral fibres in contact with a binder resulting from the curing of an aqueous binder composition free of phenol and formaldehyde.

21: 2022/10741. 22: 2022/09/28. 43: 2023/11/09
 51: A61K
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD
 33: US 31: 62/988,178 32: 2020-03-11

54: SURFACTANTS FOR HEALTHCARE PRODUCTS

00: -

Healthcare formulations, including, inventive surfactants, Active ingredient formulated as solids, liquids, or emulsions. The present disclosure provides formulations of healthcare products, such



21: 2022/10794. 22: 2022/09/29. 43: 2023/11/09
 51: F16N
 71: HERITAGE INDUSTRIES, LLC
 72: HATCH, MARSHALL
 33: US 31: 16/806,419 32: 2020-03-02

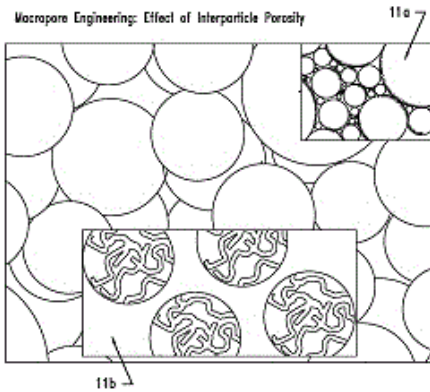
54: LUBE SKID

00: -
 A lube skid apparatus configured to be moveable and transportable. The lube skid having one or more tanks carried by a scaffold of the lube skid. One or both tanks having sloped bottom walls to optimize flow of fluids in the tanks to minimize residual fluid left in the tank. One or both tanks having sloped top walls configured to contain and direct the flow of fluid spills on the skid to an adjacent sump. The skid also carries a plurality of service devices such as a motor, an air compressor, a tank to hold compressed air, pumps to move fluid with associated filters and hoses, and one or more service storage drawers.

21: 2022/10845. 22: 2022/09/30. 43: 2023/11/14
 51: B01D
 71: GLOBAL THERMOSTAT OPERATIONS, LLC
 72: EISENBERGER, PETER, PING, ERIC W, SAKWA-NOVAK, MILES
 33: US 31: 62/705,061 32: 2020-06-09
 33: US 31: 63/198,418 32: 2020-10-16
 33: US 31: 62/992,782 32: 2020-03-20

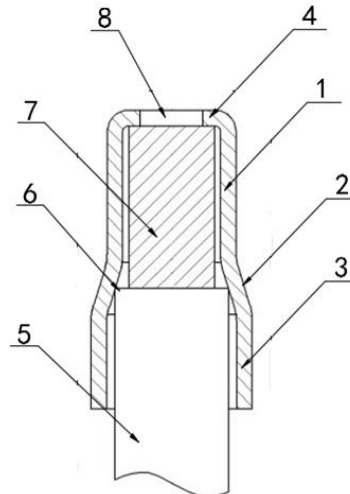
54: SYSTEMS AND METHODS FOR CARBON DIOXIDE CAPTURE

00: -
 There is provided a structurally stable monolith substrate, suitable to provide carbon dioxide capture structure for removing carbon dioxide from air, having two major opposed surfaces, and further having a plurality of longitudinal channels extending between and opening through the two major opposed surfaces of the structurally stable monolith substrate; and a macroporous coating, adhered to the interior wall surfaces of the longitudinal channels, comprising an adherent, coating formed of cohered, compact mesoporous particles each being formed of a material that is compatible with the material forming the underlying substrate structure so as to become adherent thereto when coated. The mesoporous particles are capable of supporting in their mesopores a sorbent for CO₂. There is also provided a method for forming the monolith and a system for utilizing the monolith as part of a CO₂ capture structure, within the system, to remove CO₂ from the atmosphere.



Discrete
Macroporous powder particles sintered into a continuous washcoat with macropores between particles
Pore system is hierarchical
High degree of control of macroporosity via particle size & binders

Critical relationships/tradeoffs:
Alumina loading and macropore volume (i.e. solid density)
Particle size and macropore size



21: 2022/10949. 22: 2022/10/05. 43: 2023/11/14
51: H01R
71: JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD.
72: WANG, Chao, MIAO, Yun
33: CN 31: 202020456581.0 32: 2020-04-01
54: NOVEL END ALUMINUM PART

00: -
A novel end aluminum part including a first cylinder (1) for accommodating a conductor (7) of an aluminum wire (5), a second cylinder (2) for abutting an insulation layer (6) of the aluminum wire (5), and a third cylinder (3) for accommodating the aluminum wire (5). The first cylinder (1) is connected to the top of the second cylinder (2), and the third cylinder (3) is connected to the bottom of the second cylinder (2). An inner diameter of the bottom of the second cylinder (2) is larger than an inner diameter of the top of the second cylinder (2), an inner diameter of the first cylinder (1) is the same as the inner diameter of the top of the second cylinder (2), and an inner diameter of the third cylinder (3) is the same as the inner diameter of the bottom of the second cylinder (2). The second cylinder (2) will not only reduce the stress between the insulation layer and the end aluminum part, so as to reduce the possibility of cracking or breakage of the end aluminum part due to excessive concentration of stress during crimping with the aluminum wire, but also prevent the insulation layer from being pressed into the conductor.

21: 2022/11115. 22: 2022/10/11. 43: 2023/12/04
51: F42C
71: DIXI MICROTECHNIQUES
72: DUBOIS Sébastien, GUYON Philippe, LEMERCIER Florent
33: FR 31: 2006757 32: 2020-07-02
54: FUZE COMPRISING A SELF-DESTRUCTION DEVICE FOR A GYRATORY PROJECTILE

00: -
The invention relates to a fuze (4) for a gyratory projectile, including a striker holder (14) movable about a rocker axis (15) perpendicular to the axis of symmetry (A) of the fuze, a primer holder (60) rotatable about an axis of rotation parallel to the axis of symmetry, and a self-destruction device (7). The latter includes an SD mechanism (20) using the linear acceleration of the projectile upon the departure of the shot to store axial kinetic energy, and a safety mechanism (30) using the centrifugal effects of the projectile during the flight to store radial kinetic energy. The two mechanisms (20, 30) cooperate with each other, and with the striker holder and the primer holder to generate the different storage positions before firing, intermediate upon the departure of the shot, cocked during the flight and of self-destruction at the end of the flight, guaranteeing maximum safety of the projectile in the storage position and maximum responsiveness of the projectile regardless of the scenario encountered during ballistic firing.

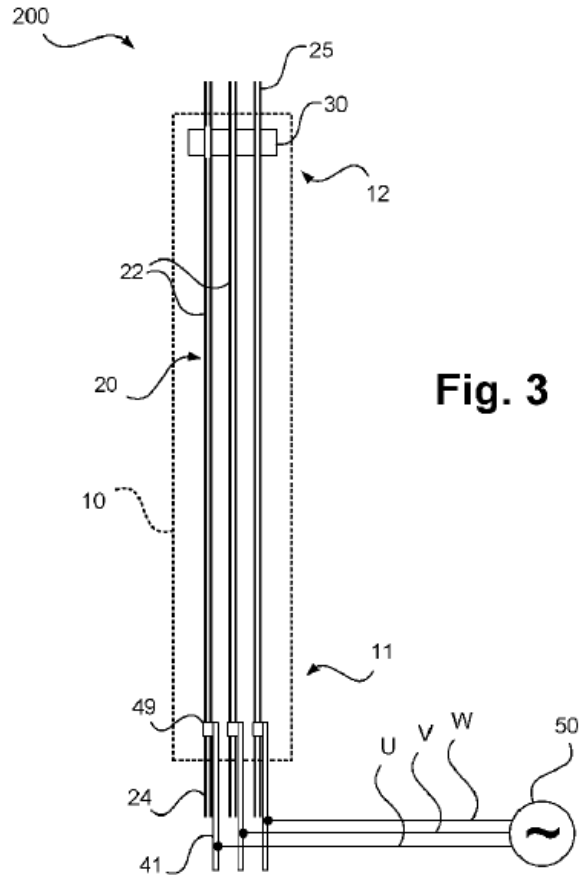
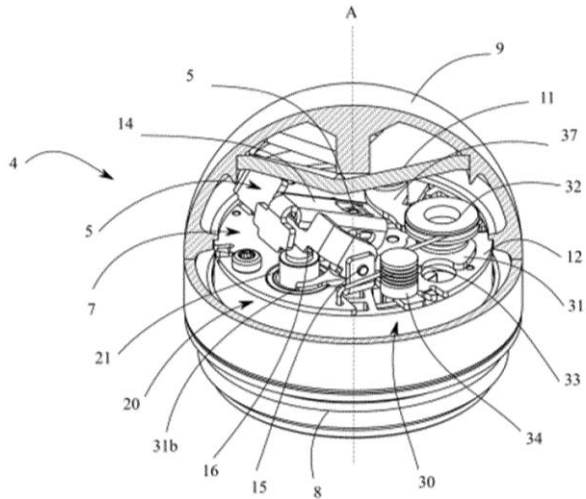


Fig. 3

21: 2022/11239. 22: 2022/10/13. 43: 2023/11/08
 51: B01J; C01B
 71: LINDE GMBH, BASF SE
 72: ZELHUBER, Mathieu, HOFSTÄTTER, Martin,
 POSSELT, Heinz, LANG, Christian, STEGEMANN,
 Robert, WELLENHOFER, Anton, JEROMIN, Volker,
 REISER, Peter, KIESE, Georg, ZIEGLER, Christian,
 SHUSTOV, Andrey, JENNE, Eric,
 KOCHENDÖRFER, Kiara Aenne, LAIB, Heinrich,
 KÜHN, Heinz-Jürgen, JACOB, Reiner, DELHOMME-
 NEUDECKER, Clara
 33: EP 31: 20163140.5 32: 2020-03-13

54: REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION

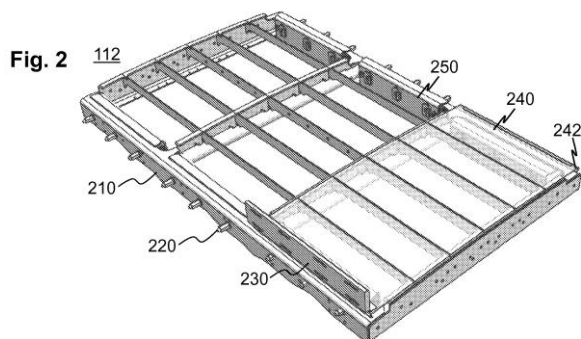
00: -
 A chemical reactor has a reactor vessel and one or more reaction tubes. A number of tube lengths of the one or more reaction tubes run between a first region and a second region within the reactor vessel. Each of the tube lengths are or can be electrically connected, in the first region, to one or more terminals of a current source for the purpose of electrically heating the tube lengths. In the first region, current feed arrangements are provided, to each of which one or a group of tube lengths are electrically attached and which each comprise one or more contact passages, which each adjoin at least one of the tube lengths in the first region, wherein a wall of the contact passages is connected to one current feed element having a rod-shaped section, which runs through a wall of the reactor vessel at a wall pass-through.

21: 2022/11646. 22: 2022/10/25. 43: 2023/12/07
 51: B07B
 71: METSO OUTOTEC FINLAND OY
 72: RAJALA, Jouni T., LEINONEN, Timo
 33: FI 31: 20205524 32: 2020-05-25

54: SCREEN TIGHTENING IN MOBILE MULTI-DECK SCREENING DEVICES

00: -
 A screen medium of a mobile multi-deck screen is tensioned with a tensioner (400). A tensioning link (250) engages and tensions a screen medium (240) on a side thereof by at least two linear tension rods (410), when the screen medium side tensioner (400) is installed to the mobile multi-deck screening device (100). An adjusting member (220) causes for each of the at least two linear tension rods (410), a linear movement tensioning by the tensioning link (250) the side of the screen medium (240) above the two linear tension rods (410). A retractor (510) disengages the tensioning link (250) responsively to untightening the at least two tensioning rods (410). A screen deck (112), a screen (110) and a mobile

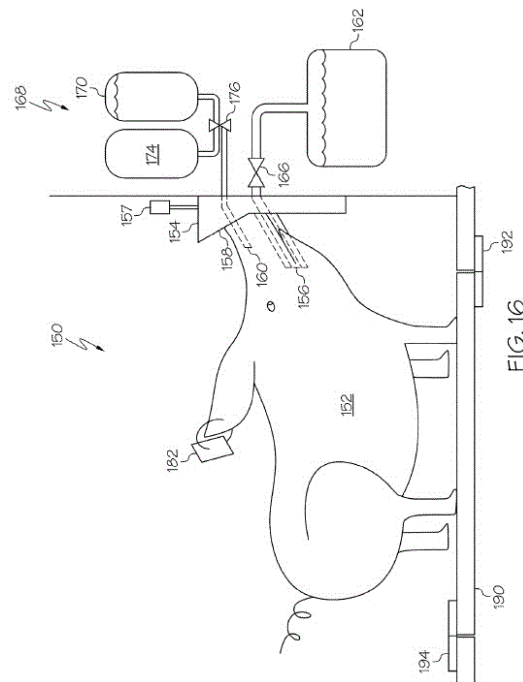
multi-deck screening device (100) are also disclosed as well as a method for replacing a screen medium (240) using the tensioner (400).



21: 2022/11824. 22: 2022/10/31. 43: 2023/11/08
 51: A01K; A61D; A61M
 71: TARGAN Inc.
 72: KARIMPOUR, Ramin
 33: US 31: 62/254,737 32: 2015-11-13

54: AUTOMATIC SYSTEM AND METHOD FOR INJECTING A SUBSTANCE INTO AN ANIMAL

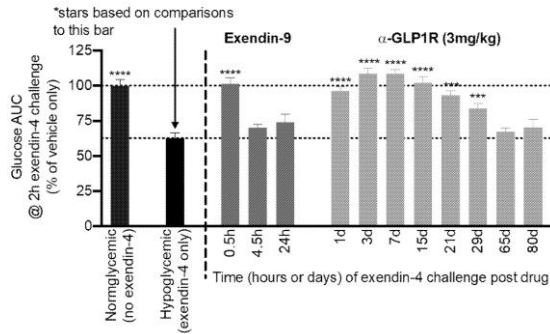
00: -
 A system and method for automatically delivering a substance to an animal or fish including a positioning system that positions each animal singularly and a sensor that detects the location of a predetermined targeted area on the animal. The system further includes a delivery device for delivering a substance to the targeted area. The position of the delivery device may be adjustable. The delivery device is in communication with the sensor. The delivery device adjusts its position in response to the data received from the sensor and delivers a substance to the targeted area.



21: 2022/11832. 22: 2022/10/31. 43: 2023/12/05
 51: C07K; A61P
 71: REGENERON PHARMACEUTICALS, INC.
 72: OKAMOTO, Haruka, KIM, Jee, H.
 33: US 31: 63/023,307 32: 2020-05-12

54: ANTI-GLP1R ANTAGONIST ANTIBODIES AND METHODS OF USE THEREOF

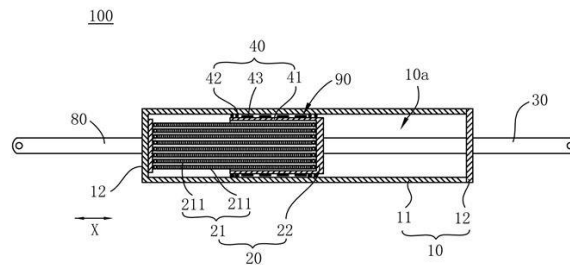
00: -
 The present disclosure relates to antibodies or antigen-binding fragments thereof that bind specifically to the glucagon-like peptide 1 receptor (GLP1R) protein, and methods of use thereof. In various embodiments, the antibodies or antigen-binding fragments thereof are fully human antibodies that bind to GLP1R. In some embodiments, the antibodies or antigen-binding fragments thereof are useful for attenuating GLP1R activity, thus providing a means of treating, preventing, or alleviating a disease, disorder or condition associated with GLP1R in humans. In some embodiments, the antibodies or antigen-binding fragments thereof elevate glucose levels when administered to a subject and thereby treat hypoglycemia, such as post-bariatric hypoglycemia (PBH), by attenuating insulin secretion from pancreatic beta cells and decreasing insulin expression.



21: 2022/12075. 22: 2022/11/04. 43: 2023/12/04
 51: F03D
 71: BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD.
 72: LI, Shuanghu, ZHANG, Zhihong, GAO, Yang, XU, Zhiliang
 33: CN 31: 202010469339.1 32: 2020-05-28
54: DAMPING INTEGRATED DEVICE, DAMPER AND WIND TURBINE

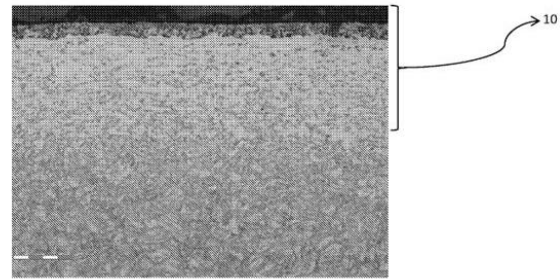
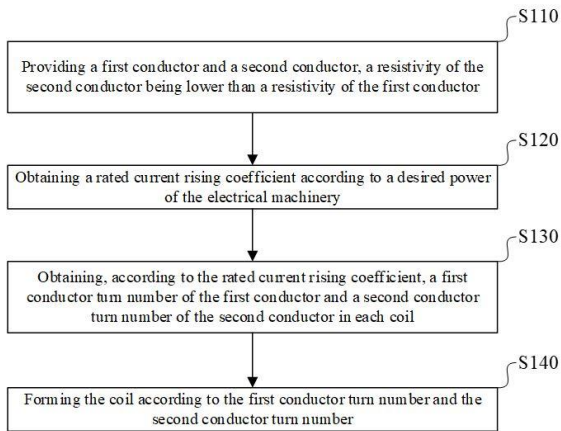
00: -
 Disclosed are a damping integrated device (100), a damper (1) and a wind turbine. The damping integrated device (100) comprises: a base body (10) having a predetermined length and comprising an inner cavity (10a) extending in the lengthwise direction (X) thereof; a frequency adjustment component (20) disposed in the inner cavity (10a), the frequency adjustment component (20) comprising an elastic member (21) and a connecting member (22), with one end of the elastic member (21) in the lengthwise direction (X) being connected to the base body (10), and the other end thereof being connected to the connecting member (22); a first connector (30) extending into the inner cavity (10a) and at least partially protruding out of the base body (10) in the lengthwise direction (X), the first connector (30) being connected to the connecting member (22) and capable of moving relative to the base body (10), so as to make the elastic member (21) stretch or shrink in the lengthwise direction (X); and a damping component (40) disposed in the inner cavity (10a), the damping component (40) being connected to the connecting member (22) and at least partially abutting against an inner wall of the base body (10), and the damping component (40) being configured to absorb kinetic energy of the first connector (30). The damping integrated device (100) can satisfy the requirements for frequency

adjustment and damping, and also has a simple structural design and is easy to maintain.



21: 2022/12124. 22: 2022/11/07. 43: 2023/12/04
 51: H02K
 71: BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD.
 72: GAO, Yazhou, HE, Haitao, XIA, Jing
 33: CN 31: 202010611208.2 32: 2020-06-30
54: COIL OF ELECTRICAL MACHINERY AND METHOD FOR FORMING THE SAME, STATOR OF ELECTRICAL MACHINERY AND METHOD FOR FORMING THE SAME, AND ELECTRICAL MACHINERY

00: -
 The present application discloses a coil of an electrical machinery and a method for forming the coil, a stator of an electrical machinery and a method for forming the stator, and an electrical machinery. The method for forming the stator includes: providing (S110) a first conductor and a second conductor, a resistivity of the second conductor being lower than a resistivity of the first conductor; obtaining (S120) a rated current rising coefficient according to a desired power of the electrical machinery, the rated current rising coefficient being a ratio of a rated current of the electrical machinery with the desired power to a rated current of a reference electrical machinery, wherein a conductor of a coil of the reference electrical machinery includes only the first conductor; obtaining (S130), according to the rated current rising coefficient, a first conductor turn number of the first conductor and a second conductor turn number of the second conductor in each coil; forming (S140) the coil according to the first conductor turn number and the second conductor turn number. According to the method for forming the coil of the electrical machinery of embodiments of the present application, the coil satisfying requirements can be obtained according to the desired power of the electrical machinery.



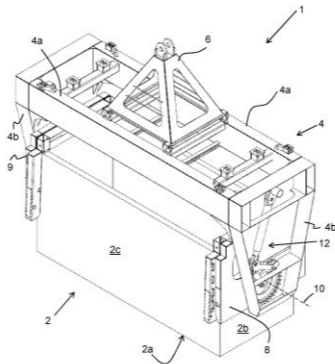
21: 2022/12135. 22: 2022/11/07. 43: 2024/01/19
 51: C21D; C22C
 71: ARCELORMITTAL
 72: Etienne HOFFMANN, Véronique HEBERT
54: COLD ROLLED AND HEAT-TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF

00: -
 The invention relates to a cold rolled and heat-treated steel sheet, the steel comprising, in weight percentage, $0.17\% \leq \text{carbon} \leq 0.25\%$, $2\% \leq \text{manganese} \leq 3\%$, $0.9\% \leq \text{silicon} \leq 2\%$, $0\% \leq \text{aluminum} \leq 0.09\%$, $0.01\% \leq \text{molybdenum} \leq 0.2\%$, $0\% \leq \text{phosphorus} \leq 0.02\%$, $0\% \leq \text{sulfur} \leq 0.03\%$, $0\% \leq \text{nitrogen} \leq 0.09\%$, and optionally one or more of the following elements $0\% \leq \text{chromium} \leq 0.3\%$, $0\% \leq \text{niobium} \leq 0.06\%$, $0\% \leq \text{titanium} \leq 0.06\%$, $0\% \leq \text{vanadium} \leq 0.1\%$, $0\% \leq \text{calcium} \leq 0.005\%$, $0\% \leq \text{boron} \leq 0.010\%$, $0\% \leq \text{Magnesium} \leq 0.05\%$, $0\% \leq \text{Zirconium} \leq 0.05\%$, $0\% \leq \text{Cerium} \leq 0.1\%$, and the balance including iron and unavoidable impurities, the steel sheet having a microstructure comprising 50% to 80% of Bainite, 10% to 30% of residual austenite, 15% to 50% of Partitioned martensite, 0% to 10% of ferrite and 0% to 5% fresh martensite in area fractions, and a ferrite-enriched layer extending up to 50 microns from both surfaces of said steel sheet, such ferrite-enriched layer having a mean ferrite content from 55% to 80% in area fraction.

21: 2022/12148. 22: 2022/11/07. 43: 2023/12/04
 51: B65G; B66C
 71: HAULDER S.A.
 72: IDZERDA, Paul
 33: NL 31: 2025613 32: 2020-05-19
54: CONTAINER MANIPULATION DEVICE AND HOISTING DEVICE

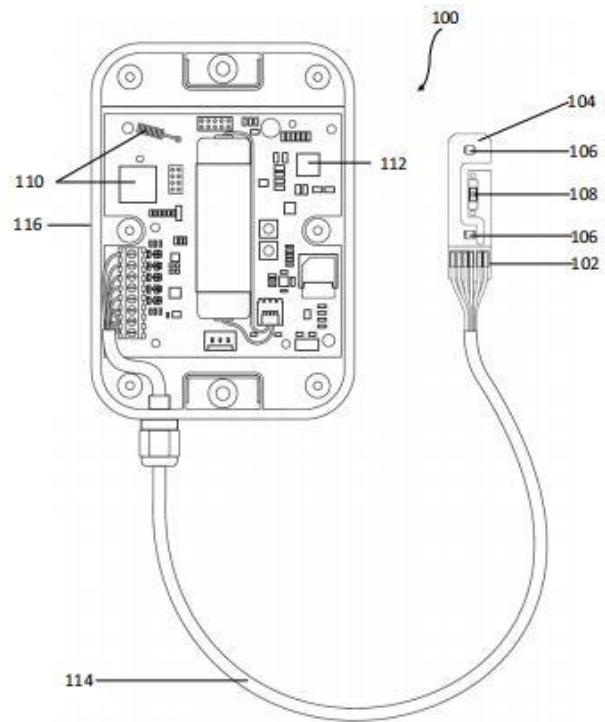
00: -
 The invention provides a container manipulation device comprising :- a frame (4), configured to be provided on a hoisting device, - two container engagement members (8; 9) provided spaced apart on the frame, each pivotally connected to the frame about a respective transverse engagement member pivot axis (10; 11), the pivot axes of the two engagement members being coaxial, wherein the engagement members are arranged for engaging the container there between, - two pivoting mechanisms (12; 13), one for each container engagement member, arranged for pivoting the engagement members with respect to the frame between a first orientation of the engagement members in which they, in use, orient the container in an upright orientation wherein an upper side of the container faces upwards, and a second orientation of the engagement members in which they, in use, orient the container in an upside-down orientation wherein the bottom of the container faces upwards so that the container may be emptied, the pivoting mechanisms each including - an elongate coupler (14), pivotally connected with a first end to the engagement member (8) about a coupler pivot axis (16) located at a first distance (D1) from the engagement member pivot axis (10), and having a second, opposite end, - an elongate rocker (26), pivotally connected with a first end to the frame about a rocker pivot axis (28), and with an opposite, second end pivotally connected to the second end of the coupler about a rocker-coupler pivot axis (30), and - an actuator (32) for pivoting the rocker about

the rocker pivot axis such that the engagement member pivots between the first and second orientation.



21: 2022/12378. 22: 2022/11/14. 43: 2024/01/19
 51: G01F
 71: Plant Pulse (Pty) Ltd
 72: Plant Pulse (Pty) Ltd
54: SAP FLOW GAUGE
 00: -

According to a first aspect of the invention, there is provided a sap flow gauge, said gauge including one or more of the following: a sap flow sensor head including two or more external temperature sensors, operable to be attached to the outside of a stem, root, culm or petiole (stalk) of a plant; and a standalone microcontroller configured to enable an individual sap flow gauge to be installed on a single, isolated plant specimen. In an embodiment, the sap flow gauge is provided in a miniaturized form to enable measurements in smaller plant tissues of the plant specimen. In an embodiment, the two or more external temperature sensors are configured to avoid puncturing the xylem of the plant specimen and interfering with plant sap movement in the plant specimen, in use. According to an embodiment of the invention, the two or more digital temperature sensors are provided in the example form of two or more thermistors.

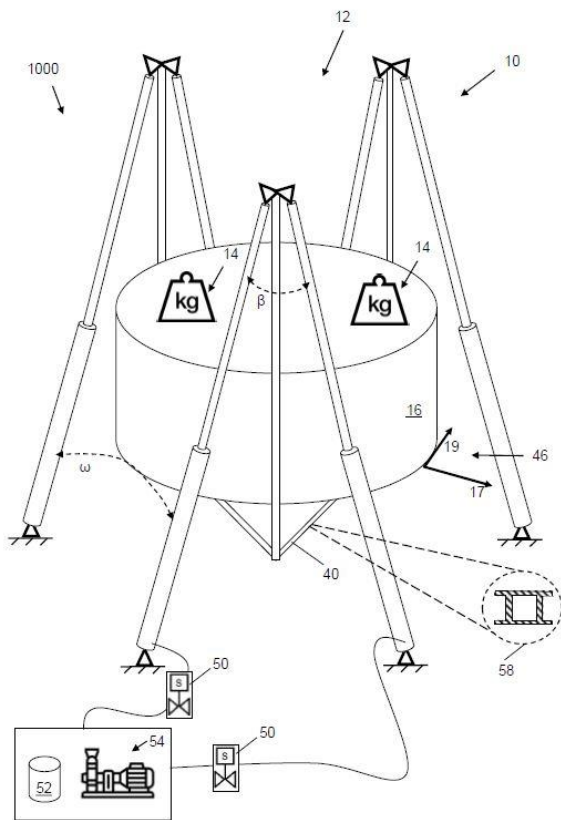


21: 2022/12414. 22: 2022/11/14. 43: 2023/12/06
 51: C10G; C10L; C10M
 71: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
 72: CREYGHTON, Edward Julius, SAMMELIUS, Olav, RIGUTTO, Marcello Stefano, JANSSEN, Andries Hendrik
 33: EP 31: 20180628.8 32: 2020-06-17
54: PROCESS TO PREPARE FISCHER-TROPSCH DERIVED MIDDLE DISTILLATES AND BASE OILS
 00: -

The present invention provides a process to prepare middle distillates and base oils from a Fischer-Tropsch product, by (a) subjecting the Fischer-Tropsch product to a hydroprocessing step in the presence of a catalyst comprising a molecular sieve with a pore size between 5 and 7 angstrom and a SiO₂/AlO₃ ratio of at least 25, preferably from 50 to 180 and a group VIII metal to obtain a mixture comprising one or more middle distillate fractions and a first residual fraction and a naphtha fraction; (b) separating the mixture as obtained in step (a) by means of atmospheric distillation into one or more middle distillate fractions, a first residual fraction and a naphtha fraction; (c) separating the first residual fraction by means of vacuum distillation into at least a distillate base oil fraction and a second residual fraction.

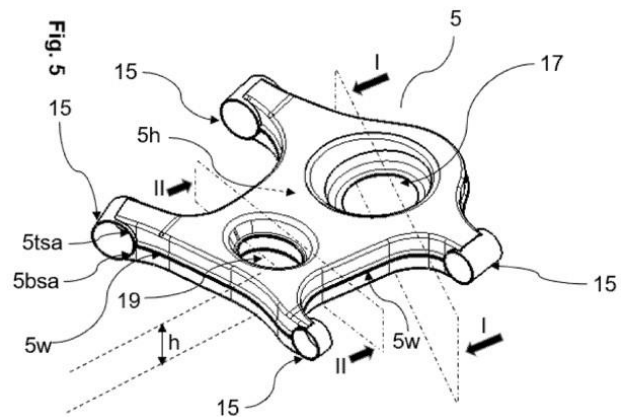
21: 2022/12433. 22: 2022/11/15. 43: 2023/12/07
 51: F03G
 71: STELLENBOSCH UNIVERSITY
 72: BASSON, Anton Herman
 33: ZA 31: 2021/09750 32: 2021-11-30
54: ENERGY STORAGE DEVICE, SYSTEM AND METHOD

00: -
 A Gravity Energy Storage (GES) system may be used to store electric energy in the form of gravitational potential energy. The system may be able to release the energy into an electric grid when needed. An energy storage device or potential energy store may be used to store potential energy of a weight when it is lifted by actuators such as hydraulic jacks. The hydraulic jacks may be arranged in three or more pairs, and they may form a Stewart platform or parallel manipulator. The Stewart platform may have three triangle-shaped structures, each of the triangle shaped structures including two actuators or hydraulic cylinders mounted on moveable mounting points. This may enable upper ends of these triangle-shaped structures to be moved vertically.



21: 2022/12441. 22: 2022/11/15. 43: 2024/01/16
 51: B60G
 71: ARCELORMITTAL
 72: Zakariae ABDEDDINE
54: REAR LOWER CONTROL ARM FOR MOTOR VEHICLE

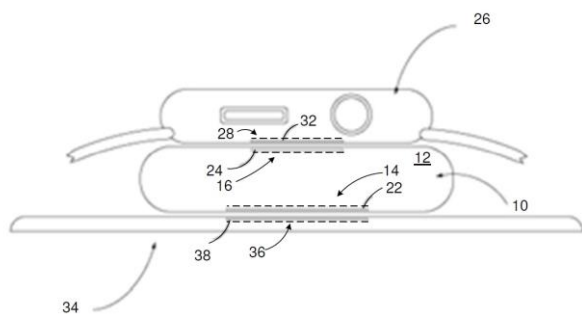
00: -
 Rear lower control arm (5) for a motor vehicle comprising a top part (5t) and a bottom part (5b) defining together a hollow volume (5h), said top and bottom parts (5t, 5b) each comprising respectively a top and bottom first hole (17t, 17b) and a top and bottom second hole (19t, 19b), wherein said top and bottom parts (5t, 5b) are joined together by securing together at least part of said top and bottom horizontal surface outer peripheries (5tho, 5bho), at least part of said top and bottom first hole side walls outer peripheries (17tso, 17bso), at least part of said top and bottom second hole side walls outer peripheries (19tso, 19bso).



21: 2022/12671. 22: 2022/11/21. 43: 2023/11/14
 51: H02J
 71: OPENCHARGE WIRELESS POWER TECHNOLOGIES (PTY) LTD
 72: VERA, Phebeon, VERA, Denys
 33: GB 31: 2005818.6 32: 2020-04-21
54: WIRELESS CHARGING ADAPTER, SYSTEM AND METHOD

00: -
 There is disclosed a wireless charging adapter (10), system (100) and method (200, 300, 400). The adapter has a portable body (12) that houses wireless power receiving circuitry (14) configured to receive, and be energized by, wireless electrical power of a first wireless power transfer standard from a separate source (34) of wireless power when

the body is brought into proximity therewith. The adapter includes wireless power transmitting circuitry (16) housed by the body and connected to the wireless power receiving circuitry to receive electrical power therefrom. The wireless power transmitting circuitry (16) is configured to transmit at least part of the received power by way of a second wireless power transfer standard which is different from the first wireless power transfer standard, for wireless charging of a portable electronic device (26) brought into proximity of the body.



21: 2022/12957. 22: 2022/11/29. 43: 2023/11/09
 51: G21G G21H G21D
 71: SU-N ENERGY HOLDINGS LTD, PAREKH, Suneel, Navnitdas
 72: PAREKH, Suneel, Navnitdas, PAREKH, Navnitdas, Radhakishan, PAREKH, Platina, Suneel
 33: IN 31: 202021026656 32: 2020-06-24
54: METHOD, APPARATUS, DEVICE AND SYSTEM FOR THE GENERATION OF ELECTRICITY

00: -
 Electric Power Generation System generates electric power by capturing energy released from transmutation / conversion of one or more chemical element(s) into one or more other element/s, using any one or more elements of the periodic table. The captured energy is converted into electricity in a reactor. The system preferably includes a transmutation reactor and an energy capturing system coupled to the reactor that converts captured energy into electricity, and connecting the electric energy to the electric grid or uses it on site power generation. In particular, the energy released in the of transmutation process is directly converted into electric power. Preferably, transmutation products that emerge in the form of charged particles, X- rays and heat, release energy removed from the fusion product ions as they spiral past electrodes of an

inverse cyclotron converter. Advantageously, the transmutation energy conversion system include target elements, paramagnetic and excited state mercury-based compound as a source of energy for transmutation of target elements, which releases energy in the form of charged particles, X- rays and heat. Direct energy pickup from the transmutation of elements and generation of energy, direct energy pickup to arc a chamber to produce a magnetic field for pick up with ferrite coil assemblies around the arc chamber to create electricity, collect the heat from the transmutation containment to drive a turbine, heat engine or other heat suitable device. In particular, the reactor that converts captured energy to electricity, stores electric energy and connects to the grid or to on-site power generation for all applications of electricity from kW to GW and fuel for transportation including spacecraft.

21: 2022/12961. 22: 2022/11/29. 43: 2024/01/16
 51: C10M
 71: FUCHS PETROLUB SE
 72: Hans Jürgen ERKEL, Olaf BINKLE, Torsten GOERZ
 33: DE 31: 10 2020 117 671.6 32: 2020-07-03
54: POLYUREA LUBRICATING GREASES CONTAINING CARBONATES, AND THEIR USE

00: -
 The invention relates to polyurea lubricating grease compositions containing polyurea thickeners and at least one organic carbonate, to lubrication points or components containing the polyurea lubricating grease composition, to a seal comprising sealing material from fluorinated elastomers and to the use of the lubricating greases.

21: 2022/13121. 22: 2022/12/05. 43: 2023/11/15
 51: B01J
 71: EVONIK OXENO GMBH & CO. KG
 72: KNOSSALLA, Johannes, QUANDT, Thomas, FRANKE, Robert
 33: EP 31: 21213152.8 32: 2021-12-08
54: PROCESS FOR PRODUCING AN OLIGOMERIZATION CATALYST HAVING A HYDROTHERMAL TREATMENT STEP

00: -
 The present invention relates to a process for producing an oligomerization catalyst that includes a step of hydrothermal treatment. The present invention relates also to an oligomerization catalyst

produced by the process and to the use thereof in the oligomerization of C2 to C12 olefins.

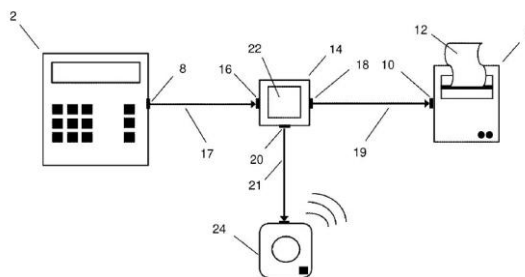
21: 2022/13401. 22: 2022/12/12. 43: 2023/12/04
51: A61K; A61Q
71: L'OREAL

72: NAICKER, Pradisha, EASON, Jason,
MOLAMODI, Kwezikazi, RABUTHU, Obakeng
**54: METHOD FOR TREATING KERATIN FIBERS
COMPRISING THE APPLICATION OF GUANIDINE
CARBONATE, ALKALI AND/OR ALKALINE
EARTH METAL HYDROXIDE AND (C₆-C₁₆) FATTY
ACID TRIGLYCERIDE**

00: -
The present invention relates to a method for treating keratin fibers comprising at least one step of extemporaneous mixing of a composition (A) comprising guanidine carbonate, and a composition (B) comprising alkali and/or alkaline-earth metal hydroxide(s), wherein said composition (A) and/or said composition (B) comprise at least one (C₆-C₁₆) fatty acid triglyceride; and then one step of applying onto said keratin fibers the composition (M), resulting from the extemporaneous mixing of composition (A) and composition (B).

21: 2022/13536. 22: 2022/12/14. 43: 2023/11/09
51: G07G; G06Q
71: B P DIGITAL LTD
72: BENNET, Oliver, PERRY, James
33: EP 31: 20177605.1 32: 2020-05-29
54: ELECTRONIC POINT OF SALE DEVICE

00: -
The present invention relates to a method of providing a transaction receipt for an Electronic Point of Sale (EPOS) system comprising sending a receipt print signal comprising receipt data for a transaction receipt from an EPOS system to a printer. The print signal is intercepted by a relay device prior to printing by the printer. A selection of receipt type is received as an input to the relay device and the receipt data is selectively relayed to the printer or a wireless transmission device according to the received receipt type selection.



21: 2022/13558. 22: 2022/12/14. 43: 2024/01/04
51: B01D; C12C; C12G; C12H
71: API SCHMIDT-BRETTEN GMBH & CO. KG
72: Karlheinz SAUTNER, Christoph GÜTLINGER
33: EP 31: 20184715.9 32: 2020-07-08
**54: PROCESS FOR THE RECOVERY OF AT
LEAST ONE FRACTIONAL SUBSTANCE FROM
VAPOURS DURING ALCOHOL REDUCTION OF A
BEVERAGE, AND FRACTIONAL SUBSTANCE
RECOVERY DEVICE**

00: -
The invention relates to a process for recovering at least one fractional substance from vapours during the alcohol reduction of a beverage, and a fractional substance recovery device for carrying out the process, in which an alcoholic beverage to be reduced in alcohol content is supplied to a degasser (62) of a fractional substance recovery device (60), in which vapours are removed from the degasser (62) and the alcoholic beverage passed through the degasser (62) is supplied to a device (10) for alcohol reduction, in which the vapours are fed to a plurality of fractional condensation stages (66, 67, 68) which follow one another in series and in which at least one fractional substance is separated from the vapours under pressure and/or temperature, and in which the fractional substances separated in the respective fractional condensation stage (66, 67, 68) are collected in a collecting container (84 to 89) or are fed to an inoculation station (19), through which the separated fractional substances are fed in metered quantities to an alcohol-reduced drink.

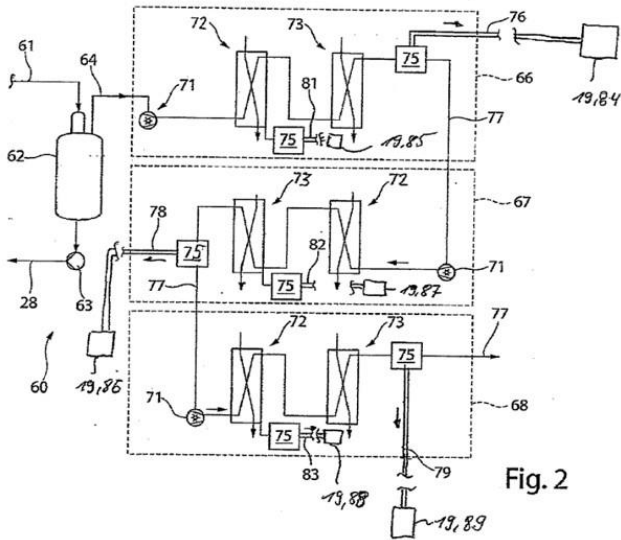


Fig. 2

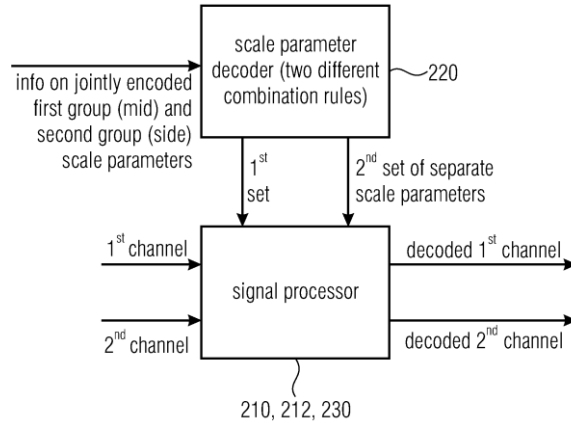


Fig. 8a
(DECODER)

21: 2023/00267. 22: 2023/01/05. 43: 2023/12/07
51: G10L

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: RAVELLI, Emmanuel (Deceased), MARKOVIC, Goran, KIENE, Jan Frederik, REUTELHUBER, Franz, DÖHLA, Stefan, FOTOPOULOU, Eleni

33: EP 31: 20184555.9 32: 2020-07-07

54: AUDIO QUANTIZER AND AUDIO DEQUANTIZER AND RELATED METHODS

00: -

An audio quantizer for quantizing a plurality of audio information items, comprises: a first stage vector quantizer (141, 143) for quantizing the plurality of audio information items to determine a first stage vector quantization result and a plurality of intermediate quantized items corresponding to the first stage vector quantization result; a residual item determiner (142) for calculating a plurality of residual items from the plurality of intermediate quantized items and the plurality of audio information items; and a second stage vector quantizer (145) for quantizing the plurality of residual items to obtain a second stage vector quantization result, wherein the first stage vector quantization result and the second stage vector quantization result are a quantized representation of the plurality of audio information items.

21: 2023/00328. 22: 2023/01/06. 43: 2024/01/08
51: C07C

71: SHANGHAI UNIVERSITY OF ENGINEERING SCIENCE

72: YIN, Xiaoying, CAO, Menghui, QU, Yi, YAN, Yanan

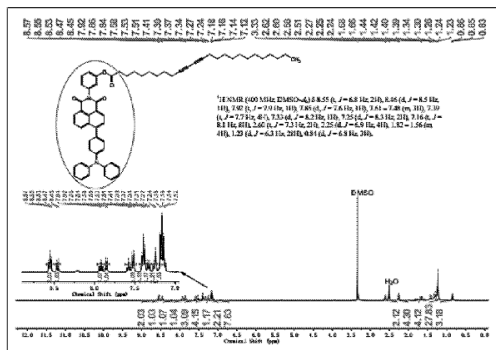
33: CN 31: 202110290411.9 32: 2021-03-18

54: AGGREGATION-INDUCED LUMINESCENT COMPOUND, AND SUPRAMOLECULAR POLYMERIZED FLUORESCENT NANOMATERIAL AND PREPARATION METHOD THEREFOR

00: -

The present invention relates to an aggregation-induced luminescent compound, and a supramolecular polymerized fluorescent nano-material and a preparation method therefor. The preparation method for the supramolecular polymerized fluorescent nano-material comprises: covalently binding an aggregation-induced luminescent compound and PCDA to obtain a new compound; dissolving the obtained new compound in dichloromethane or chloroform; dissolving the PCDA in dichloromethane or chloroform; and preparing a precursor of a supramolecular polymerized fluorescent nano-material from the solution by means of a film hydration method. Compared with the prior art, on the basis of the compound with an aggregation-induced emission (AIE) property, AIE molecules are introduced into a supramolecular system in a covalent/non-covalent manner, nanoparticles are spontaneously assembled by means of hydrophilic and hydrophobic effects between molecules, and finally, compact and

stable AIE points are generated by means of photo-crosslinking, and the characteristics of high brightness and surface functionalization are thus realized.

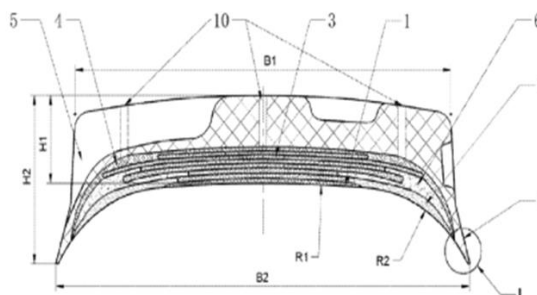


21: 2023/00976. 22: 2023/01/23. 43: 2023/12/04
 51: B29D; B60C
 71: BEIJING DUBELI TYRE CO., LTD.
 72: ZHU, Xiaojun, YAO, Tianlin, ZHU, Jian, ZHU, Shixing

33: CN 31: 202010748533.3 32: 2020-07-30
54: PRE-VULCANIZED ANNULAR CROWN OF EXTRA-LARGE TIRE, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -
 The present invention relates to a pre-vulcanized annular crown of an extra-large tire, and a preparation method and an application thereof. The annular crown includes shoulder extending edges, which extend from both sides of the crown to the central direction of the tire along shoulders, where the shoulder extending edges are provided with a structure of pattern blocks and pattern grooves, which extend from a tread to sidewalls and are suitable for the extra-large tire, and outer contour lines of sections of the shoulders and the shoulder extending edges are concave inwards. According to the present invention, pattern grooves in original shoulders can be completely removed when an old tire body is ground, and the crown structure and functional advantages of the extra-large tire which is retreaded can be fully given, so that the retreaded tire has better heat dissipation capacity, the phenomena of delamination and stripping of the shoulders are reduced at the same time, the vulcanizing time of the whole tire at high temperature and high pressure is shortened, and adverse effects on the carcass structure and rubber are avoided. The pre-vulcanized annular crown is suitable for

manufacturing new tires and retreaded tires, and the wear resistance and puncture resistance of treads can be fully improved. Moreover, the bonding strength is increased via large shoulder extending edges, and the stability of a bonding structure is facilitated.



21: 2023/01784. 22: 2023/02/14. 43: 2023/12/07
 51: A61K; C07K; A61P
 71: SANOFI

72: ILLIANO, Stephane, LUCATS, Laurence, LEDEIN, Laetitia, BEAUVERGER, Philippe, JANIAC, Philip, OZOUX, Marie-Laure, HALLAND, Nis, Li, Ziyu, ELVERT, Ralf, EVERS, Andreas, BIANCHI, Elisabetta, SANTOPRETE, Alessia, ROVERSI, Daniela, TRIPEPI, Martina

33: EP 31: 20315387.9 32: 2020-08-19
54: CRF2 RECEPTOR AGONISTS AND THEIR USE IN THERAPY

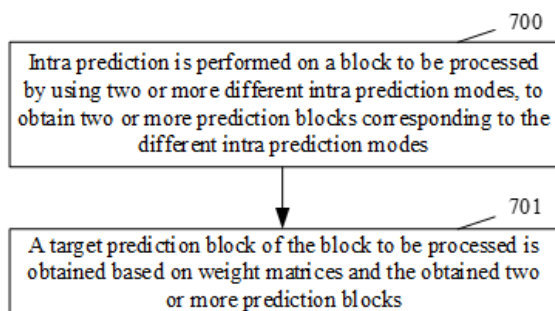
00: -
 The present disclosure provides compounds which are peptides comprising the amino acid sequence of the formula (I) disclosed herein or pharmaceutically acceptable salts thereof. The compounds act as agonists of the corticotropin-releasing factor receptor 2 (CRF2) and are useful in therapy, especially in the treatment or prevention of cardiovascular diseases, obesity and diabetes.

21: 2023/01911. 22: 2023/02/16. 43: 2023/12/04
 51: H04N
 71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
 72: WANG, Fan

54: INTRA-FRAME PREDICTION METHOD AND DEVICE, DECODER, AND ENCODER

00: -
 An intra-frame prediction method and device, a decoder, and an encoder. The method according to an embodiment of the present application

comprises: using two or more different intra-frame prediction modes to perform intra-frame prediction for respective blocks to be processed, so as to obtain two or more kinds of prediction blocks; and combining, according to a weight matrix, the obtained two or more kinds of prediction blocks, so as to obtain prediction blocks of the blocks to be processed. The embodiment of the present application uses multiple intra-frame prediction modes to determine multiple prediction blocks, thereby achieving prediction for complex textures, improving the quality of intra-frame prediction, and accordingly improving compression performance. In addition, the intra-frame prediction method in the embodiment of the present application uses a diversified weight matrix to ensure prediction for complex textures, thereby improving the quality of intra-frame prediction, and accordingly improving compression performance.

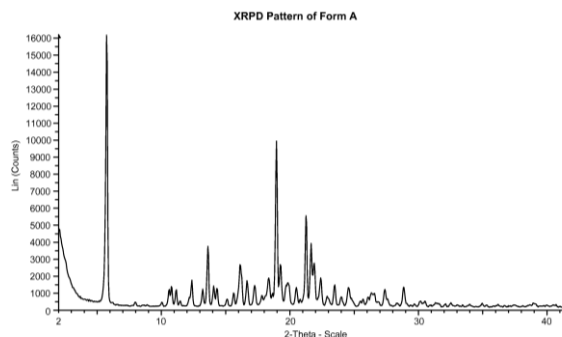


21: 2023/03227. 22: 2023/03/01. 43: 2023/12/07
 51: A61K; A61P
 71: PHARMACYCLICS LLC
 72: PURRO, Norbert, SMYTH, Mark, GOLDMAN, Erick, WIRTH, David, D.
 33: US 31: 61/655,381 32: 2012-06-04

54: CRYSTALLINE FORMS OF A BRUTON'S TYROSINE KINASE INHIBITOR

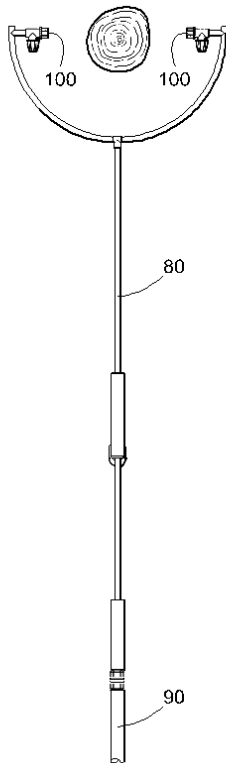
00: -
 Described herein is the Bruton's tyrosine kinase (Btk) inhibitor 1-((R)-3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one, including crystalline forms, solvates and pharmaceutically acceptable salts thereof. Also disclosed are pharmaceutical compositions that include the Btk inhibitor, as well as methods of using the Btk inhibitor, alone or in combination with other therapeutic agents, for the treatment of autoimmune diseases or conditions, heteroimmune diseases or

conditions, cancer, including lymphoma, and inflammatory diseases or conditions.

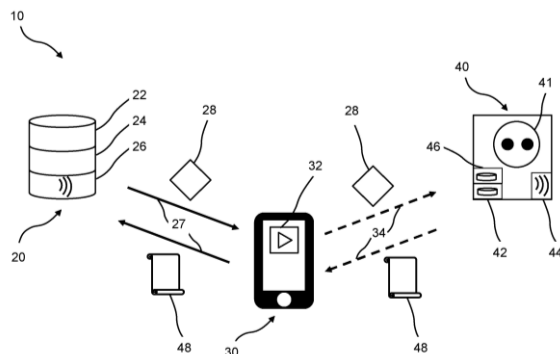


21: 2023/03836. 22: 2023/03/24. 43: 2023/11/30
 51: A01M
 71: AVIMA (PTY) LIMITED
 72: Miek VENTER, Frik VENTER, Renier KRIEK
 33: ZA 31: 2021/08016 32: 2021-10-20
54: STEM APPLICATOR SPRAY DEVICE AND ASSOCIATED METHOD OF SPRAY ANALYSIS
 00: -

A stem applicator spray device comprising: a reservoir, for storing an agricultural substance solution to be sprayed, on or proximate the stem of crops; a backpack, for securing and carrying the reservoir; a spray gun, in fluid flow communication with the reservoir via a hose, the spray gun terminating in at least one nozzle; a pump, for pumping the solution from the reservoir and through the nozzle; and an actuator, for selective actuation of the pump; characterised in that the actuator is actuated selectively via a sensor touch switch. The invention extends, further, to an associate method of analysis of the spraying of a field of crops, utilising a series of such spray devices.



elements (28), control a charging procedure of a connected chargeable device, provide encrypted charging report elements (48), and store a timestamp parameter of a transmitted encrypted charging report element (48) or a group of transmitted encrypted charging report elements (48); - and at least one mobile device (30) configured to transfer the authentication elements (28) from the database unit (20) to the charging device (40) and the charging report elements (28) from the charging device (40) to the database unit (20).

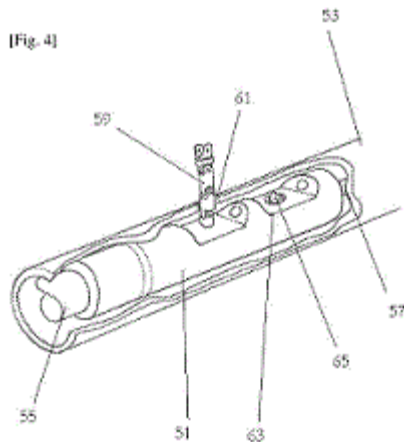


21: 2023/04215. 22: 2023/04/06. 43: 2023/12/06
 51: B60L; G06F; H04L
 71: HEYCHARGE GMBH
 72: CARDE, Christopher, HOLZ, Florian
 33: DE 31: 10 2020 128 700.3 32: 2020-10-30
54: SYSTEM FOR AUTHENTICATING A USER AT AND REPORTING ABOUT USE OF A CHARGING DEVICE

00: -
 The present invention relates to an authenticating and reporting system (10) for authenticating a user at and reporting about use of a charging device (40) comprising: - at least one database unit comprising: - at least one cryptography module (22) configured to sign and/or encrypt authentication elements (28) and to decrypt charging report elements (48), and - at least one transmitting and receiving module (26) configured to transmit encrypted authentication elements (28) and to receive encrypted charging report elements (48); - at least one charging device (40) comprising: - at least one wireless communication module (44), - at least one encrypting and decrypting unit (46), - at least one storage module (42), and - at least one control module, wherein the at least one charging device (40) is configured to decrypt the authentication

21: 2023/04424. 22: 2023/04/14. 43: 2023/11/09
 51: E21D E21B E02D
 71: HYPERTUNNEL IP LIMITED
 72: HELLIWELL, James, MEEKS, Alan, JORDAN, Steve
 33: GB 31: 2014837.5 32: 2020-09-21
54: METHOD AND SYSTEM OF UNDERGROUND DEPLOYMENT OF MATERIALS AND EQUIPMENT

00: -
 Jet grouting involves injecting grout into geological material to improve its quality; however, use of jet grouting is limited to situations in which the injection systems can be positioned relatively close to the region to be improved. This can be impractical (for example in heavily built up areas, rough terrain or beneath the seabed) or inconvenient (for example where closing a tunnel would be required). The present invention enables deployment equipment 41 to be passed down a bore in order to deploy material and/or equipment through a hole in the lining of a bore 43 into the underlying geology. In this way, underground assets may be repaired from a location external to the asset, allowing repair in situations where it would be impossible or cost-prohibitive to do so with conventional ground treatment techniques.



21: 2023/04512. 22: 2023/04/18. 43: 2023/11/01
 51: A61K; A61P
 71: Pacylex Pharmaceuticals Inc.
 72: BERTHIAUME, Luc G., BEAUCHAMP, Erwan
 33: US 31: 63/093,970 32: 2020-10-20

54: USE OF N-MYRISTOYL TRANSFERASE (NMT) INHIBITORS IN THE TREATMENT OF CANCER, AUTOIMMUNE DISORDERS, AND INFLAMMATORY DISORDERS

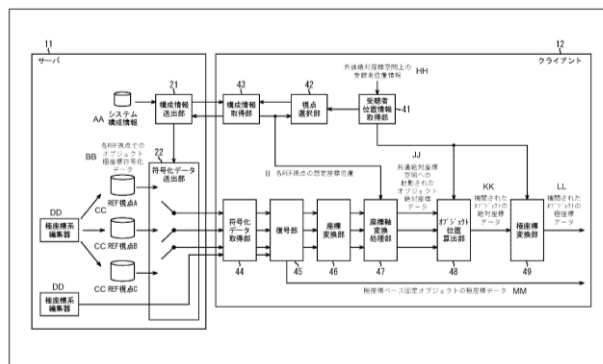
00: -
 The use of N-myristoyl- transferase (NMT) inhibitors in the treatment of cancer, autoimmune disorders, and inflammatory disorders is disclosed. With respect to cancer, the preferred cancer to be treated is B-cell lymphoma, and the NMT used is PCLX-001 (DDD86481, CAS RN 1215011-08-7). Preferred NMT inhibitors for the treatment of autoimmune and inflammatory disorders include the aforementioned PCLX-001, PCLX-002 (DDD85646, CAS RN 1215010-55-10), and IMP-1088 (CAS RN 2059148-82-0), and the disorders to be treated include rheumatoid arthritis, asthma, gastritis, colitis, and other digestive and respiratory ailments.

21: 2023/04646. 22: 2023/04/21. 43: 2023/11/06
 51: H04S
 71: Sony Group Corporation
 72: HATANAKA, Mitsuyuki, CHINEN, Toru
 33: JP 31: 2020-168944 32: 2020-10-06

54: INFORMATION PROCESSING DEVICE AND METHOD, AND PROGRAM

00: -
 The present technology relates to an information processing device, a method, and a program that make it possible to reproduce content based on the intention of content producer. The information

processing device: acquires listener position information; acquires position information for a first reference viewpoint, object position information for a first object at the first reference viewpoint, position information for a second reference viewpoint, and object position information for the first object at the second reference viewpoint; acquires object position information for a second object; and calculates position information for the first object at the viewpoint of a listener on the basis of listener position information, the position information for the first reference viewpoint, the object position information at the first reference viewpoint, the position information for the second reference viewpoint, and the object position information at the second reference viewpoint. The present technology can be applied to an information processing device.



- 11 Server
- 12 Client
- 21 Configuration information sending unit
- 22 Encoded data sending unit
- 41 Listener position information acquisition unit
- 42 Viewpoint selection unit
- 43 Configuration information acquisition unit
- 44 Encoded data acquisition unit
- 45 Decoding unit
- 46 Coordinate conversion unit
- 47 Coordinate area conversion processing unit
- 48 Object position calculation unit
- 49 Polar coordinate conversion unit
- AA System configuration information
- BB Polar coordinate encoded data of object at each REF viewpoint
- CC REF viewpoint
- DD Polar coordinate system editing apparatus
- HH Listener position information in common absolute coordinate space
- II Assumed coordinate position of each REF viewpoint
- JJ Absolute coordinate data of object projected to common absolute coordinate space
- KK Interpolated absolute coordinate data of object
- LL Interpolated polar coordinate data of object
- MM Polar coordinate data of polar-coordinate-base-fixed object

21: 2023/04764. 22: 2023/04/25. 43: 2023/10/30
 51: B01D; C01B
 71: TYKHE TECH PTE. LTD.
 72: VUKSAN, Srecko
 33: IL 31: 278192 32: 2020-10-20

54: A METHOD FOR THE PRODUCTION OF HYDROGEN

00: -
 The present invention relates to a process of producing hydrogen gas from water, an iron-containing coal combustion product and carbon dioxide or a carbon dioxide precursor. The process is a spontaneous process that does not involve the implementation of external heating or electricity. The process further provides the recycling of the coal combustion product such as an iron slag or ash and may also be used for carbon dioxide sequestering.

21: 2023/04804. 22: 2023/04/26. 43: 2023/10/31
51: H04W

71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA

72: IWAI, Takashi, TAKATA, Tomofumi, URABE, Yoshio, NAKANO, Takayuki, MIURA, Taichi

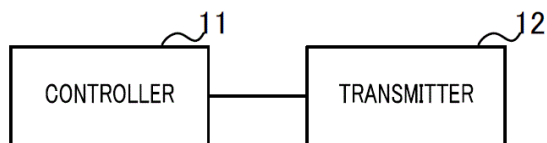
33: JP 31: 2020-180361 32: 2020-10-28

54: COMMUNICATION DEVICE AND COMMUNICATION METHOD

00: -

A communication device (100) comprises: a circuit (11) that sets a first value to an association ID (AID) 12 subfield of the first field of a trigger frame requesting an extremely high throughput (EHT) trigger-based (TB) physical layer protocol data unit (PPDU); and a transmitter (12) that transmits the trigger frame. The first value indicates that the first field contains information to be shared for the transmission of the EHT TB PPDU.

100: AP



21: 2023/04809. 22: 2023/04/26. 43: 2023/12/07
51: B60L

71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.

72: WANG, Chao

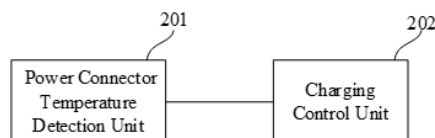
33: CN 31: 202011233775.5 32: 2020-11-06

54: ELECTRIC VEHICLE CHARGING CONTROL APPARATUS AND METHOD

00: -

An electric vehicle charging control apparatus and method related to a technical field of electric vehicle charging. The method includes: obtaining a first working temperature of an interior of a power connector and a second working temperature of an interior of a charging control box during charging the electric vehicle with a charging power equal to the first charging power; and controlling the charging power output to the electric vehicle according to the working temperature of the interior of the power connector obtained by the power connector temperature detection unit. By the embodiments of

the present disclosure, the charging efficiency can be improved and the charging time can be shortened on the premise of ensuring the charging safety of the electric vehicle.



21: 2023/04823. 22: 2023/04/26. 43: 2023/12/07
51: G01N

71: AKTSIONERNOE OBSHCHESTVO "CHEPETSKIJ MEKHANICHESKIJ ZAVOD", CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI "NAUKA I INNOVACII"

72: KARAVAEVA, Olga Alekseevna, VARKENTIN, Nikolaj Yakovlevich

33: RU 31: 2021102186 32: 2021-02-01

54: METHOD OF DETERMINING HAFNIUM CONTENT IN METALLIC ZIRCONIUM AND ALLOYS BASED THEREON

00: -

The invention relates to the field of analytical chemistry and physical methods of analysis, and can be used to determine the hafnium content in metallic zirconium and alloys based thereon. The problem addressed by the proposed invention is to separate the overlapping lines of zirconium in the second order of reflection and hafnium. The proposed method includes plotting a calibration curve for the dependence of the fluorescence intensity of lines of hafnium on its concentration in samples with established hafnium content, preparing samples to a template, the dimensions of which correspond to the sample receptacle of a spectrometer, collimating the emission with a fine collimator with an angular divergence of 14-17 degrees, and separating the spectral range of the hafnium line using an LiF220 crystal analyzer so as to establish thresholds of an amplitude discriminator in a narrow range sufficient for cutting off impulses with high voltage generated by more high-energy zirconium quanta.

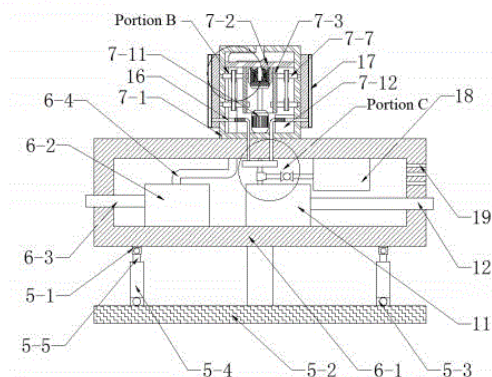
21: 2023/04837. 22: 2023/04/28. 43: 2023/11/01
51: B29C; B29L

71: Hebei Chemical and Pharmaceutical College

72: ZHANG, Bin

54: BOTTLE BLOW-MOLDING DEVICE ALLOWING COSMETIC BOTTLES TO BE FIXED CONVENIENTLY

00: -
A bottle blow-molding device allowing cosmetic bottles to be fixed conveniently. The bottle blow-molding device includes a workbench, supporting legs, a conveyor and a bottle blow-molding machine body, where the supporting legs are fixed at four corners of a lower surface of the workbench, the conveyor is provided on an upper side of the workbench, a supporting frame in the conveyor is fixed on an upper surface of the workbench, and the bottle blow-molding machine body is provided on one side of the conveyor; the bottle blow-molding device further includes connecting mechanisms, inflating mechanisms and fixing mechanisms, the plurality of connecting mechanisms are fixed on an outer belt surface of a conveyor belt in the conveyor at equal intervals, second connecting members in the connecting mechanisms are slidably provided in sliding grooves on lower side walls of fixing seats in the inflating mechanisms.

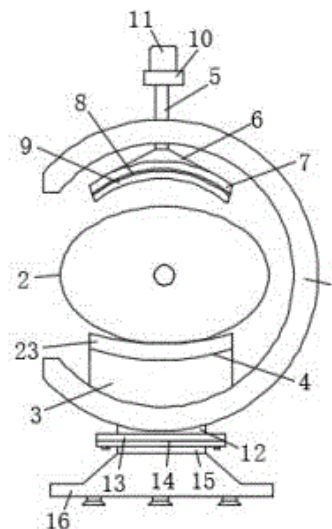


21: 2023/04838. 22: 2023/04/28. 43: 2023/11/01
51: B65D
71: Hebei Chemical and Pharmaceutical College
72: ZHANG, Bin

54: HAND-HELD SQUEEZABLE COSMETIC CONTAINER

00: -
Disclosed is a hand-held squeezable cosmetic container. The hand-held squeezable cosmetic container includes a bottle body, where a bottle cap is mounted at an end of the bottle body, and a jacket is provided outside the bottle body; a cushion block is fixed at a bottom in the jacket, a movable rod is provided on an upper surface wall of the jacket in a

penetrating manner, a bottom end of the movable rod is connected to a connecting block, and an arc-shaped squeezing plate is fixed at a bottom end of the connecting block; and an inserting groove is opened at a middle position of a lower surface wall of the arc-shaped squeezing plate, an arc-shaped inserting strip which matches the inserting groove is inserted in to inside of the inserting groove, and an arc-shaped silica gel pad is fixed at a bottom end of the arc-shaped inserting strip.



21: 2023/04845. 22: 2023/04/28. 43: 2023/11/01
51: A61K
71: PHARMATHEN S.A.
72: KARAVAS, Evangelos, KOUTRIS, Efthymios, SAMARA, Vasiliki, KOUTRI, Ioanna, KALASKANI, Anastasia, FOUSTERIS, Manolis, DRAGANOUDI, Christina

54: PHARMACEUTICAL COMPOSITION COMPRISING AN ANTIMICROBIAL AGENT AND METHOD FOR THE PREPARATION THEREOF

00: -
The present invention relates to a stable pharmaceutical formulation of solid dosage forms for oral administration comprising an antimicrobial agent such as Rifaximin or a pharmaceutical acceptable salt, derivative or polymorph thereof as the active ingredient. It also relates to an innovative process for the preparation thereof.

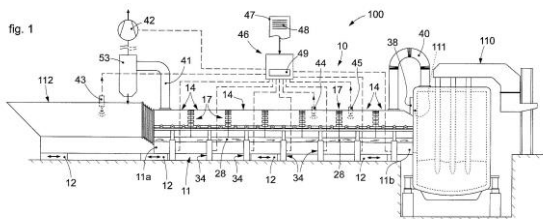
21: 2023/04872. 22: 2023/04/28. 43: 2023/11/01
51: A61K; A61P; C07K; C12N
71: Angitia BioMedicines Limited

72: LIU, Xiaofeng, LIU, Kunfeng, YUAN, Baozhi, LI, Muyu, KE, Hua Zhu
 33: PCT/CN 31: 2020/118387 32: 2020-09-28
54: ANTI-SCLEROSTIN CONSTRUCTS AND USES THEREOF

00: -
 The present application provides anti-Sclerostin constructs that bind to Sclerostin (e.g., anti-Sclerostin antibodies, e.g., bispecific anti-Sclerostin antibodies), nucleic acid molecules encoding an amino acid sequence of the anti-Sclerostin, vectors comprising the nucleic acid molecules, host cells containing the vectors, methods of preparing the anti-Sclerostin construct, pharmaceutical compositions containing the anti-Sclerostin construct, and methods of using the anti-Sclerostin construct or compositions.

21: 2023/04875. 22: 2023/04/28. 43: 2023/11/01
 51: C21C; F27B; F27D
 71: Danieli & C. Officine Meccaniche S.p.A.
 72: SCUBLA, Stefano, RONDINI, Nicola, BURIN, Paolo
 33: IT 31: 102020000022990 32: 2020-09-29
54: APPARATUS AND METHOD FOR FEEDING AND PREHEATING A METAL CHARGE IN A MELTING FURNACE

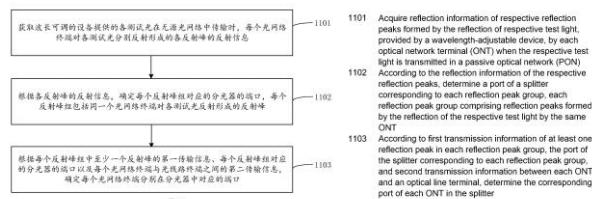
00: -
 Apparatus (10) for feeding and preheating a metal charge (S) toward a melting furnace (110) of a melting plant (100), comprising at least one conveyor channel (11) for said metal charge (S), at least one hood (14) disposed above said conveyor channel (11) and scrap detection means (43) able to identify the profile of the metal charge (S) entering said conveyor channel (11). The present invention also concerns a plant (100) for melting metal comprising said apparatus (10), and a method to feed and preheat a metal charge (S).



21: 2023/04876. 22: 2023/04/28. 43: 2023/10/31
 51: H04B; H04J; H04Q

71: Huawei Technologies Co., Ltd.
 72: DONG, Zhenhua, DONG, Xiaolong, JIN, Chao
 33: CN 31: 202011183533.X 32: 2020-10-29
54: PORT IDENTIFICATION METHOD AND APPARATUS

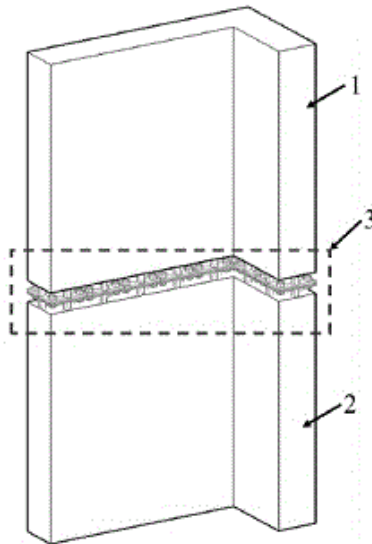
00: -
 The present application provides a port identification method and apparatus, belonging to the field of optical fiber communication technology. Said method is applied to a passive optical network (PON). The PON comprises at least one stage of splitters and at least one optical network terminal (ONT), and the wavelengths of test light reflected by reflection components of different ports of the same splitter are different. Said method comprises: acquiring reflection information of respective reflection peaks formed by the reflection of respective test light, provided by a wavelength-adjustable device, by each ONT when the respective test light is transmitted in a PON; according to the reflection information of the respective reflection peaks, determining a port of a splitter corresponding to each reflection peak group, each reflection peak group comprising reflection peaks of the reflection of the respective test light by the same ONT; and according to first transmission information of at least one reflection peak in each reflection peak group, the port of the splitter corresponding to each reflection peak group, and second transmission information between each ONT and an OLT, determining the corresponding port of each ONT in the splitter. With the present application, the efficiency of port identification can be improved.



21: 2023/04911. 22: 2023/05/02. 43: 2023/11/09
 51: E04B; E04G
 71: NANTONG VOCATIONAL UNIVERSITY
 72: SHEN, HUA, MA, LILI
 33: CN 31: 202111162613.1 32: 2021-09-30
54: CONCRETE SHEAR WALL VERTICAL CONNECTION JOINT AND MANUFACTURING AND INSTALLATION METHOD THEREFOR

00: -

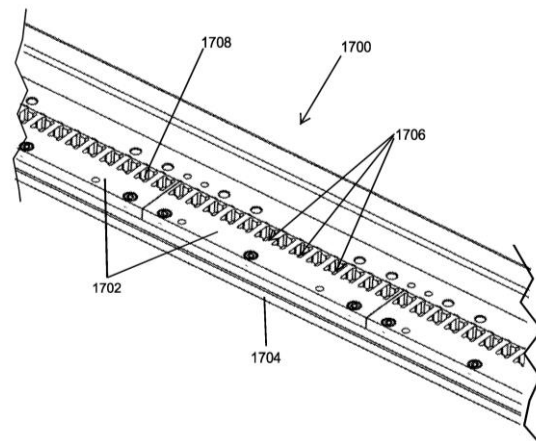
Disclosed in the present invention is a dry type full-assembly industrial concrete shear wall vertical connection joint, comprising an upper part prefabricated concrete shear wall body, a lower part prefabricated concrete shear wall body, and a steel pipe concrete combined connecting piece. The upper part prefabricated concrete shear wall body and the lower part prefabricated concrete shear wall body are both composed of a steel bar framework and poured concrete. The steel pipe concrete combined connecting piece is composed of a plurality of basic independent connecting units, and each basic independent connecting unit comprises an upper connecting unit, a lower connecting unit, and a high-strength bolt connecting pair for connecting the upper connecting unit and the lower connecting unit. Further disclosed in the present invention is a manufacturing and installation method for the dry type full-assembly industrial concrete shear wall vertical connection joint. The vertical connection joint in the present invention conforms to the development trend of construction industrialization, and has the characteristics of simple structure, standard components, clear stress, flexible design, reliable performance, and easy maintenance and detachable features.



21: 2023/04936. 22: 2023/05/03. 43: 2023/12/04
 51: B23P; B25C; B27F; F16G
 71: FLEXIBLE STEEL LACING COMPANY
 72: GAJJAR, Nekheel, DANIELS, William J., WAWCZAK, William Robert

33: US 31: 63/106,816 32: 2020-10-28
 33: US 31: 17/100,490 32: 2020-11-20
54: FASTENER BEDS FOR CONVEYOR BELT FASTENER APPLICATORS

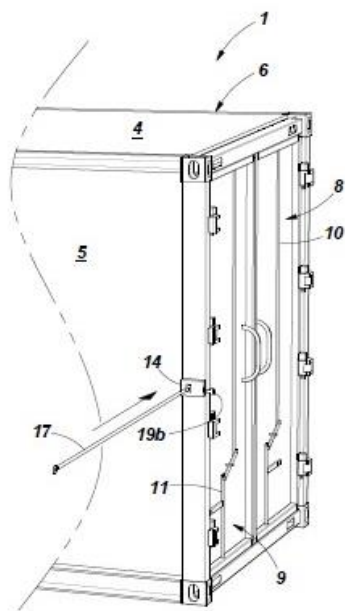
00: -
 In one aspect, a system is provided for securing fasteners to a conveyor belt end. The system includes a fastener bed to support fasteners, the fastener bed including a plurality of aligned fastener holes configured to receive staples of lower plates of the fasteners. The system further includes an applicator comprising a plurality of operating members operable to interface with the fastener holes of the fastener bed to advance the applicator along the fastener bed, secure the applicator relative to the fastener bed, and drive legs of the staples through the conveyor belt and into apertures of upper plates of the fasteners. The applicator is operable to urge upper plates of the fasteners against the conveyor belt end and bend the staple leg end portions against the upper plates of the fasteners to secure the fasteners to the conveyor belt end.



21: 2023/04953. 22: 2023/05/04. 43: 2024/01/18
 51: E05B
 71: VILJOEN, Phillipus Rudolph
 72: VILJOEN, Phillipus Rudolph
 33: ZA 31: 2022/04491 32: 2022-04-22
 33: ZA 31: 2023/03549 32: 2023-03-14
54: A TAMPER-RESISTANT, LOCKING MECHANISM FOR A DOORED CONTAINER

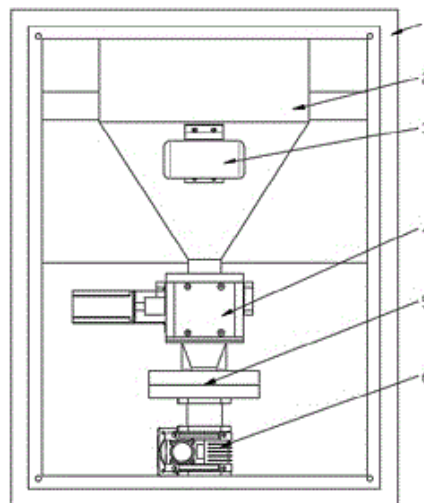
00: -
 The Invention relates to a doored container with a substantially-concealed, tamper-resistant, locking system for locking the container. The locking system

has at least one elongate, retractable security bolt, configured to traverse across at least part of the door and movable between an open and a secure position, at least one holding formation, secured to the inner side of the door and configured to receive and hold the bolt movably, retractably therewith when the bolt is moved between the open and the secure position, at least one securing formation, for movably receiving and securing the bolt therewith, when the door is in the closed position and the bolt is in the secure position, at least one latch, for manipulating the security bolt between the open and the secure positions, and a locking mechanism, operatively secured to and movable with the latch. The locking mechanism is retracted into the container body with the latch when the latch is in the retracted position and the bolt is received and secured in the secure formation, with the door in the closed position and the bolt in the secure position, so as to render the latch and the locking mechanism tamper resistant from the outside of the container.



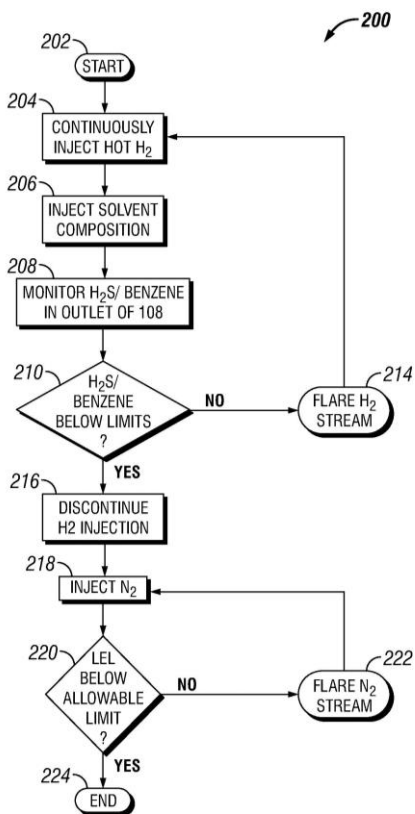
21: 2023/04985. 22: 2023/05/05. 43: 2023/11/07
 51: B02C
 71: QINGDAO JURONG ENGINEERING TECHNOLOGY CO., LTD.
 72: WANG, PUXUN, QIN, XIANGPENG, XIE, SON, GENG, ZHENDONG, LIU, NINGNING, PENG, JINYU, SON, YUNMAO
54: ADJUSTABLE DRY ICE CLEANING MACHINE
 00: -

An adjustable dry ice cleaning machine provided in the disclosure includes a dry ice cleaning machine body, a dry ice hopper and a feeding tray are fixed inside the dry ice cleaning machine body, and a dry ice particle cutting mechanism is arranged just below the discharge port of the dry ice hopper. The dry ice particle cutting mechanism is composed of a rotary reamer drive motor, a rotary reamer and a clearance adjusting mechanism. The high-precision control transmission mechanism of the clearance adjusting mechanism is provided with a static reamer support, the static reamer support is provided with a static reamer, through the driving device to drive the high-precision control transmission mechanism with rotary reamer support forward or backward, so as to adjust the clearance between the rotary reamer and the static reamer. By means of a dry ice particle cutting mechanism with high adjustment precision, the diameter of the cut dry ice particles can be within the range of 0.01mm-10mm, which greatly expands the application range of the dry ice cleaning machine.



21: 2023/05022. 22: 2023/05/05. 43: 2023/11/08
 51: B01J
 71: United Laboratories International, LLC
 72: MATZA, Stephen D., RICE, Elisa
 33: US 31: 17/064,396 32: 2020-10-06
54: SOLVENT SYSTEM FOR CLEANING LOW-TEMPERATURE FIXED-BED REACTOR CATALYST IN SITU
 00: -
 A method of equipment decontamination may include: introducing a cleaning stream comprising hydrogen and a solvent comprising a fatty acid

methyl ester and an oxygenated solvent, or alternatively comprising a carrier fluid and a hydrocarbon solvent, into the equipment; and introducing a stream comprising nitrogen into the equipment, wherein the equipment comprises deposits and other contaminants.



their thoughtful design and preparation to be endowed with certain capabilities, hydrogels have demonstrated significant promise for skin wound healing. Hydrogel formulation is a biodegradable adhesive effective on wet biological surfaces, and showed no toxicity or hypersensitivity during in vitro or pre-clinical studies. The components of the hydrogel are known to be safe for human use and the formulation itself permit long term storage for commercial purpose. Adhesive biocompatible hydrogels with additional wound healing properties can provide a faster, simpler and less invasive alternatives to this procedure. Also, such hydrogels can act as localized, effective drug delivery system.

21: 2023/05072. 22: 2023/05/08. 43: 2023/11/09
 51: A61P; C07K
 71: Pfizer Inc., Children's Medical Center Corporation
 72: WINAU, Florian, KOVALENKO, Oleg V., CHANG, Chew Shun, WU, Di, MARZE, Nicholas Andrew, CHIANG, Shian-Huey
 33: US 31: 63/090,055 32: 2020-10-09
54: CD1a ANTIBODIES AND USES THEREOF
 00: -

Antibodies, and antigen-binding fragments thereof, that specifically bind to Cluster of Differentiation 1a (CD1a) are provided. Embodiments include uses, and associated methods of using the antibodies, and antigen-binding fragments thereof.

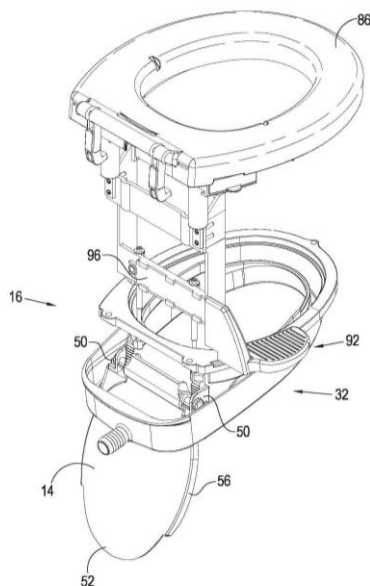
21: 2023/05033. 22: 2023/05/08. 43: 2023/11/09
 51: A61L
 71: Ankit Dilipkumar Oza, Koshal Kishor, Himanshu Choksi, Sivakumar P., Anand Joshi, Unnati Joshi, Vijay K.Patel, Jigesh Mehta, Balraj krishnan Tudu, Kushal Yadav, Jigna Patel, Deepak kohli
 72: Ankit Dilipkumar Oza, Koshal Kishor, Himanshu Choksi, Sivakumar P., Anand Joshi, Unnati Joshi, Vijay K.Patel, Jigesh Mehta, Balraj krishnan Tudu, Kushal Yadav, Jigna Patel, Deepak kohli
 33: IN 31: 202321031101 32: 2023-05-01
54: FORMULATION OF ADHESIVE AND WOUND HEALING DUAL ACTIVE HYDROGEL WITH MOLECULES ISOLATED FROM BIOLOGICAL SOURCES
 00: -

The present invention relates to a skin wound healing often contains a series of dynamic and complex physiological healing processes. Due to

21: 2023/05098. 22: 2023/05/08. 43: 2023/11/09
 51: A47K; E03D
 71: BETRAM (PROPRIETARY) LIMITED
 72: FOURIE, Lukas, Pieter, FOURIE, Lukas, Pieter
 33: ZA 31: 2020/07179 32: 2020-11-18
54: TOILET UNIT
 00: -

The invention relates to a toilet unit 10 which includes a toilet pedestal 12 which has a body having a top, a bottom and a passage 30 extending through the body and opening out of the top and bottom. The toilet unit 10 further includes a closure member 14 which is displaceable between a closed position which encloses the passage 30 and an open position in which it permits excreta to pass through the passage 30 and be discharged therefrom. A displacement mechanism 16 is provided whereby the closure member 14 is displaceable between its open and closed positions.

The displacement mechanism 16 is typically operated to displace the closure member to its open position by a person sitting on the toilet. The closure member may also be manually operable to displace it from its closed to its open position. In the open position of the closure member, it is clear of the passage such that excreta passing through the passage in use does not come into contact with the closure member.



21: 2023/05129. 22: 2023/05/09. 43: 2023/11/13
 51: A61K; A61P
 71: Ceva Sante Animale
 72: ESAKI, Motoyuki, PALYA, Vilmos, TATAR, Timea, PENZES, Zoltan
 33: EP(FR) 31: 20306212.0 32: 2020-10-15

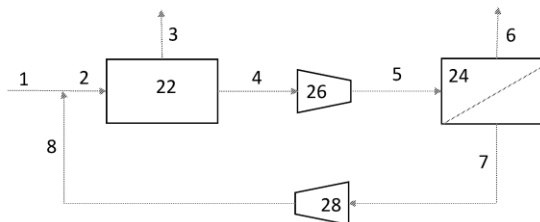
54: RECOMBINANT HVT AND USES THEREOF

00: -
 The present invention relates to recombinant herpes viruses comprising recombinant nucleotide sequences encoding at least two different antigens. The invention is particularly suited for producing vaccines to immunize avian species against avian pathogen(s).

21: 2023/05206. 22: 2023/05/11. 43: 2023/11/13
 51: B01D; C01B
 71: LUMMUS TECHNOLOGY LLC
 72: TEWARI, Shekhar, VENNER, Ronald M., PANDITRAO, Sunil, MALONEY, Dennis
 33: US 31: 63/135,432 32: 2021-01-08

54: ENHANCED HYDROGEN RECOVERY UTILIZING GAS SEPARATION MEMBRANES INTEGRATED WITH PRESSURE SWING ADSORPTION UNIT AND/OR CRYOGENIC SEPARATION SYSTEM

00: -
 Processes and systems for recovering hydrogen may include feeding a gas stream, comprising hydrogen and additional gases, to a pressure swing adsorption (PSA) system and feeding a membrane permeate stream comprising hydrogen to the PSA system. In the PSA system, a portion of the hydrogen may be separated from the additional gases to recover a hydrogen product stream and a PSA tail gas stream comprising unseparated hydrogen and the additional gases. The PSA tail gas stream may be fed to a membrane separation unit for separating hydrogen from the additional gases and to recover (i) the membrane permeate stream comprising hydrogen fed to the PSA system and (ii) a membrane tail gas stream comprising the additional gases. Embodiments herein may additionally include a refrigeration system for partially condensing one or both of the feed gas stream and the PSA tail gas stream, enhancing the efficiency of the membrane separation unit.

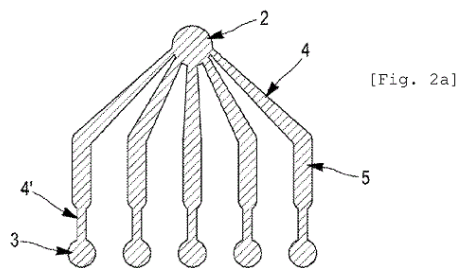


21: 2023/05210. 22: 2023/05/11. 43: 2023/11/13
 51: B01L
 71: MAGIA DIAGNOSTICS
 72: FRATZL, Mario, DELSHADI, Sarah, KAUFFMANN, Paul
 33: FR 31: FR2011788 32: 2020-11-17

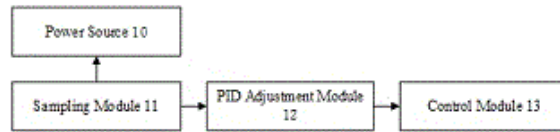
54: CARTRIDGE COMPRISING A PLURALITY OF ANALYSIS CHAMBERS FOR RECEIVING A BIOLOGICAL LIQUID

00: -
 The invention relates to a cartridge (1) for analysing a biological fluid, comprising an array of channels (4, 4') defining a plurality of analysis paths. Each channel is defined by at least two channel walls facing each other and defining a channel height.

According to the invention, a wall of at least one channel has a step (M) for defining, on either side of the step: - a first segment (S1) of the channel in which the wall has a first surface energy (E1) and a first elevation (e1) defining a first height of the channel (h1); - a second segment (S2) of the channel in which the wall has a second surface energy (E2) and a second elevation (e2) defining a second height of the channel (h2). The first height (h1) of the channel and the first surface energy (E1) of the wall are greater than the second height (h2) of the channel and the second surface energy (E2), respectively.



(13) is used for forming a power supply current according to the switching frequency signal (S300). The voltage stabilization output of the power source (10) can be realized.



21: 2023/05228. 22: 2023/05/11. 43: 2023/11/13
 51: A61K; C07K; A61P; A61Q
 71: Escape Therapeutics, Inc.
 72: Basil M. Hantash
 33: US 31: 63/094,242 32: 2020-10-20

54: ENHANCED SKIN PERMEATION OF A NOVEL PEPTIDE VIA STRUCTURAL MODIFICATION, CHEMICAL ENHANCEMENT, AND MICRONEEDLES

00: -
 Hyperpigmentation is a common skin condition with serious psychosocial consequences. Decapeptide-12, a newly synthesized peptide, has been found to be safer than hydroquinone in reducing content of melanin, with efficacy up to more than 50 percent upon 16 weeks of twice daily treatment. However, the peptide suffers from limited transcutaneous penetration due to its hydrophilicity and large molecular weight. Therefore, decapeptide-12 was modified by adding a palmitate chain in an attempt to overcome this limitation. We also tested the effects of chemical penetration enhancers and microneedles to deliver two peptides through skin. Enhanced human skin permeation was found using an in vitro skin permeation model. Moreover, we examined peptide retention of different formulations. Our data showed that palm-peptides in microneedle patch was the most effective.

21: 2023/05218. 22: 2023/05/11. 43: 2023/11/13
 51: G05F; H02M
 71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
 72: WANG, CHAO
 33: CN 31: 202011286849.1 32: 2020-11-17
54: APPARATUS, METHOD AND SYSTEM FOR ADJUSTING VOLTAGE STABILIZATION OUTPUT OF POWER SOURCE

00: -
 An apparatus, method and system for adjusting a voltage stabilization output of a power source (10). The power source (10) forms an output voltage according to a power supply current. The apparatus comprises a sampling module (11), a PID adjustment module (12) and a control module (13), wherein the sampling module (11) is used for sampling an output voltage of the power source (10), so as to obtain a sampled voltage (S100); the PID adjustment module (12) is used for obtaining a switching frequency signal on the basis of the sampled voltage and a preset control parameter by means of PID control adjustment, wherein the PID control adjustment comprises voltage-loop control adjustment and voltage-difference-change-rate loop control adjustment (S200); and the control module

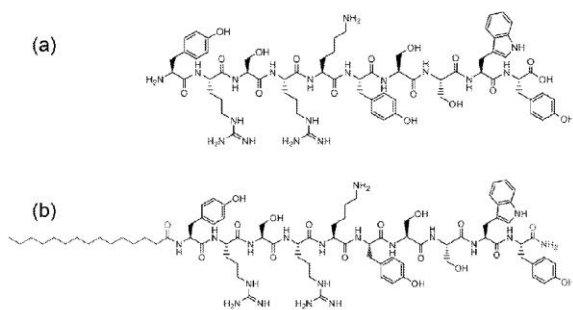


Figure 1. Molecular structures of the two peptides: native peptide (a) and its analogue palm-peptide (b). For palm-peptide, N-terminal was palmitoylated. C-terminal was mo to amide, and tyrosine at position 6 changed from L- to D-.

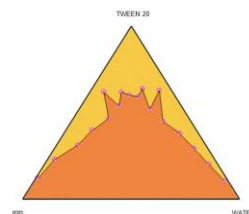


Figure 1 (A): Ternary phase diagram obtained from the three component system, i.e., IPP, Tween 20 and water

21: 2023/05238. 22: 2023/05/12. 43: 2023/11/22

51: A61K; A61P

71: REHAN UDDIN, DR. JITENDRA SINGH RAJAWAT, DR. KAMBLE RAVINDRA KESHAVRAO, DR. RAJENDRA PAL SINGH RATHORE

72: REHAN UDDIN, DR. JITENDRA SINGH RAJAWAT, DR. KAMBLE RAVINDRA KESHAVRAO, DR. RAJENDRA PAL SINGH RATHORE

33: IN 31: 202211066130 32: 2022-11-18

54: AN ORAL MICROEMULSION-BASED FORMULATION FOR THE DELIVERY OF CABAZITAXEL AND PIPERINE AND USES THEREOF

00: -

Cabazitaxel is the newest version of taxanes and is regarded as a promising drug for the 5 management of various cancers. Like other taxanes, this drug also poses a challenge of solubility and permeability, resulting in a poor oral bioavailability. The present study explores a scalable and economic nanoformulation in the microemulsion form for the oral delivery of cabazitaxel. The developed system substantially improved the anticancer activity of the drug on the breast cancer cell lines and in vivo cancer models. Piperine was also loaded in the 10 microemulsion and it was observed that the incorporation of piperine resulted in an oral formulation with substantially higher oral bioavailability of CBZ vis-à-vis plain drug as well as the microemulsion. The findings provide an inference that biocompatible microemulsions can enhance the oral bioavailability and anticancer activity of CBZ, which was further improved after incorporation of piperine.

21: 2023/05253. 22: 2023/05/12. 43: 2023/11/16

51: C07K; A61K; A61P; C12N

71: NIHON MEDI-PHYSICS CO., LTD.

72: KAWATANI, MINORU, HANADA, TAKAHISA, TONOYA, GOTA, TAKEDA, TAKUYA

33: JP 31: 2020-174840 32: 2020-10-16

33: JP 31: 2021-024688 32: 2021-02-18

33: JP 31: 2020-215740 32: 2020-12-24

54: RADIOACTIVE COMPLEXES OF ANTI-HER2 ANTIBODY, AND RADIOPHARMACEUTICAL

00: -

A problem addressed by the present invention is to provide complexes having greater stability than in the past without harming drug efficacy. The complexes of the present invention are complexes of a chelating agent and an anti-HER2 antibody that has been modified site-specifically by a peptide, wherein a radiometal nuclide is chelated by the chelating agent, the peptide and chelating agent are linked via a linker (L), and the linker (L) does not include a thiourea bond.

21: 2023/05260. 22: 2023/05/12. 43: 2023/11/16

51: B60P; F24S

71: Comau S.p.A.

72: DI STEFANO, Giovanni, BECCARISI, Francesco, POLLANO, Maurizio

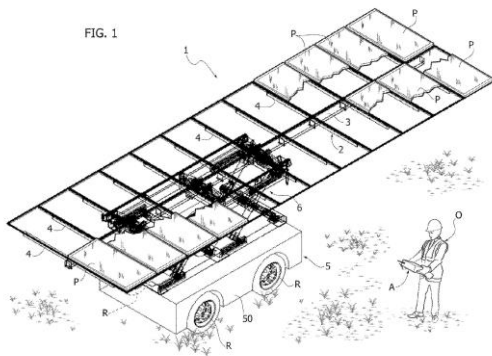
33: IT 31: 102020000028190 32: 2020-11-24

54: METHOD FOR OUTDOOR INSTALLATION OF AN ARRAY OF SOLAR CONVERTERS, AND CARRIAGE USED IN THE METHOD

00: -

Described herein is a method for outdoor installation of an array (1) of solar converters that includes a supporting frame (2) and a plurality of solar converters (P), for example photovoltaic solar panels or solar mirrors, mounted on the supporting frame (2). A carriage (5) for transporting the array (1) of solar converters (P) is provided with a lifting device (6) for displacing the array (1) of solar converters (P) vertically between a position of maximum raising and

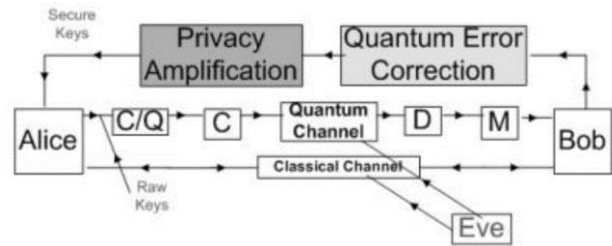
a position of maximum lowering. Associated to the carriage (5) is an electronic control unit (E) for controlling movement of the carriage (5) and movement of the lifting device (6). The electronic control unit (E) is driven in such a way as to carry out the following steps: bringing the carriage (5) up adjacent to a row of supporting posts (7) in the installation field; lifting the array (1) of solar converters (P) above said supporting posts (7); displacing the carriage (5) within a space comprised between two successive posts (7) of the row; and lowering the array (1) of solar converters (P) until the longitudinal beam (3) of the supporting frame (2) of the array (1) of solar converters (P) is laid on the supporting posts (7) of the row.



21: 2023/05275. 22: 2023/05/15. 43: 2023/11/22
 51: G08C
 71: Dr. Vishal Sharma
 72: Dr. Vishal Sharma

54: A QUANTUM KEY DISTRIBUTION SYSTEM FOR SATELLITE COMMUNICATION

00: -
 Quantum key distribution is an effective encryption technique which can be used to perform secure quantum communication between satellite and ground stations. Quantum cryptography enhances security in various networks such as optical fibers and wireless networks. In addition to this, these networks become vulnerable in presence of high attenuation due to atmospheric effects and noise. Hence, errors occur due to decoherence. The noisy quantum channel is modeled and implemented by the redundancy-free quantum error correction scheme which provides better security and throughput efficiency as shown in simulation results.



21: 2023/05309. 22: 2023/05/15. 43: 2023/11/24
 51: B60L; B60M
 71: Bluvein Innovation Pty Ltd.
 72: OLIVER, James, ROBINSON, Caleb
 33: PCT/EP(SE) 31: 2020/081199 32: 2020-11-05

54: SYSTEM FOR ELECTRICALLY FEEDING AT LEAST ONE ELECTRICALLY POWERED VEHICLE

00: -
 System for electrically feeding at least one electrically powered vehicle comprising suspended elongated slotted element(s) having electric conductor(s) arranged in slot(s) and current collector(s) co-acting with the slotted element. The current collector(s) comprises contact element(s), collector arm(s) supporting the contact element(s) at its first end and is adapted to connect to a vehicle with its second end, and actuator(s) configured to act on the collector arm(s) to displace the first end contact element towards the slotted element(s). The actuator(s) displaces the first end of the collector arm towards the slotted element(s). The contact element is connected to the collector arm via a tracking device comprising a body part to which said contact element(s) is connected. The tracking device further comprises lateral guiding means configured to co-act with at least one laterally facing portion of the elongated slotted element to guide the tracking device laterally relative elongated slotted element. At least one lateral guiding means is laterally displaceable relative said body part by means of an alignment actuator.

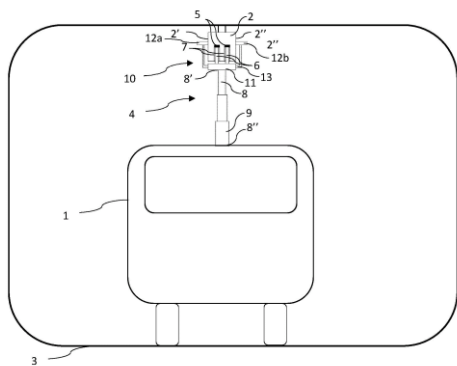


Fig. 1

21: 2023/05338. 22: 2023/05/16. 43: 2023/11/24

51: G01N; G06N

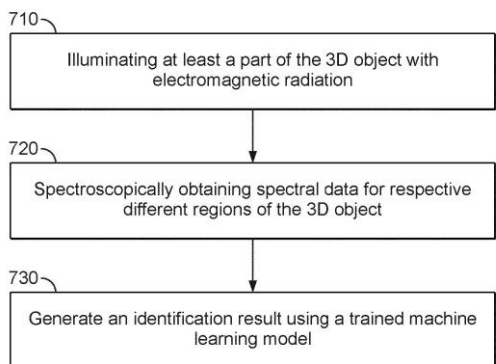
71: Fundació Institut de Ciències Fotòniques, Institutíó Catalana de Recerca I Estudis Avançats
72: PRUNERI, Valerio, NOYAN, Mehmet Alican, GRUDININ, Anatoly

33: EP(ES) 31: 20383072.4 32: 2020-12-09

54: IDENTIFYING 3D OBJECTS

00: -

Identifying 3D objects A method for identification of 3D objects comprises illuminating at least part of a 3D object with electromagnetic radiation, spectroscopically obtaining spectral data for one or more regions of the 3D object, and generating, at a data processing apparatus, an identification result for the 3D object using a trained machine learning model. The trained machine learning model processes the obtained spectral data for the one or more regions to generate one or more model outputs from which the identification result is derived.



21: 2023/05340. 22: 2023/05/16. 43: 2023/11/24

51: A01N; A01P

71: Syngenta Crop Protection AG
72: FALLUTO, Francesca, HALLAM-BARNES, Gemma

33: EP(CH) 31: 20210432.9 32: 2020-11-27

54: PESTICIDAL COMPOSITIONS

00: -

A pesticidal composition comprising: (i) 25 to 35% by weight of spiropidion; (ii) 20 to 30% by weight of acetamiprid; and (iii) 2.5 to 10 % by weight of a buffering agent, which based on the total weight of the composition is (a) 2 to 7% by weight of an alkali metal sulfate or an alkaline earth metal sulfate, and (b) 0.1 to 5% by weight of an organic acid.

21: 2023/05344. 22: 2023/05/16. 43: 2023/11/20

51: A61K; A61P; C07D

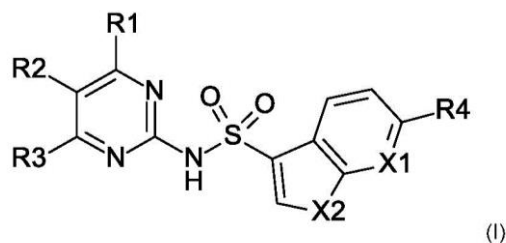
71: F. Hoffmann-La Roche AG
72: GALLEY, Guido, GOBBI, Luca, GUBA, Wolfgang, MAZUNIN, Dmitry, PINARD, Emmanuel, RICCI, Antonio

33: EP(CH) 31: 21159452.8 32: 2021-02-26

54: NOVEL PYRIMIDIN-2-YL SULFONAMIDE DERIVATIVES

00: -

The invention relates to novel compounds having the general formula (I), wherein R¹, R², R³, R⁴, X₁ and X₂ are as described herein, composition including the compounds and methods of using the compounds.



21: 2023/05362. 22: 2023/05/17. 43: 2023/11/29

51: E02F

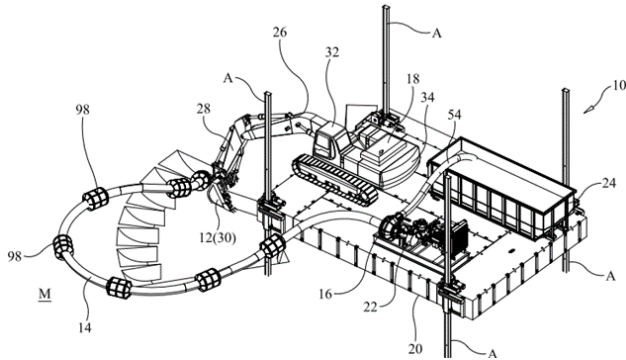
71: EDDY PUMP CORPORATION
72: WAHLGREN, Daniel, GONZALEZ, Roberto
33: US 31: 63/343,678 32: 2022-05-19
33: US 31: 18/196,201 32: 2023-05-11

54: DREDGE SYSTEM

00: -

A dredge system includes a dredger, a conduit and a self-priming pump. The dredger has an internal area and an outlet, and is configured to feed material into the internal area of the dredger. The conduit is coupled to the dredger adjacent the outlet and configured to transport the material from the internal area of the dredger to a receptacle. The self-priming

pump is coupled to the conduit and is configured to pump the material from the outlet to the receptacle.



21: 2023/05366. 22: 2023/05/17. 43: 2023/11/29
51: B09B

71: TRASHCON LABS PRIVATE LIMITED

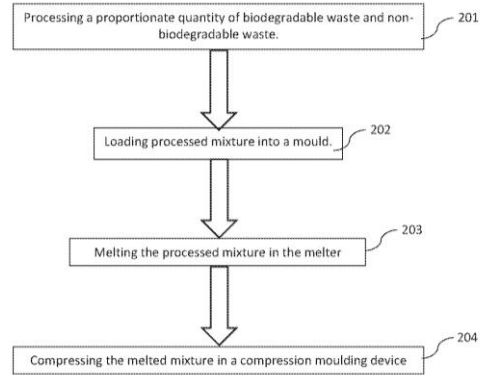
72: MONDAL, Swaraj, JAIN, Saurabh,
MADHUBALA, Nivedha Raghavan

33: IN 31: 202041045486 32: 2020-10-19

54: A METHOD FOR MANUFACTURING A RECYCLABLE ARTICLE FROM MUNICIPAL SOLID WASTE

00: -

A method for manufacturing a recyclable article from municipal solid waste (MSW) without addition of binders is disclosed. The method includes aspects of processing, a proportionate quantity of biodegradable waste and non-biodegradable waste to form a mixture. The processed mixture is loaded into a mould placed in a melter (9). The processed mixture is subsequently melted in the melter (9) at a pre-determined temperature and pre-determined pressure, where the non-biodegradable waste circumscribes and form a bond with the biodegradable waste during melting. The melted mixture is compressed in a compression moulding device (10) at a pressure ranging from 0.1 Kg/cm² to 3.0 Kg/cm². Further, the compression of the melted mixture is carried out under supply of a coolant for solidifying and forming the article.



21: 2023/05430. 22: 2023/05/18. 43: 2023/11/29
51: E21D

71: CHINA RAILWAY 19TH BUREAU GROUP
FIFTH ENGINEERING CO., LTD., CHINA RAILWAY
19TH BUREAU GROUP CO., LTD.

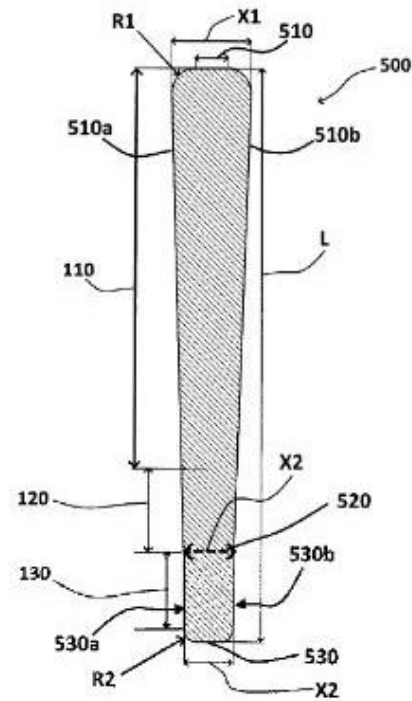
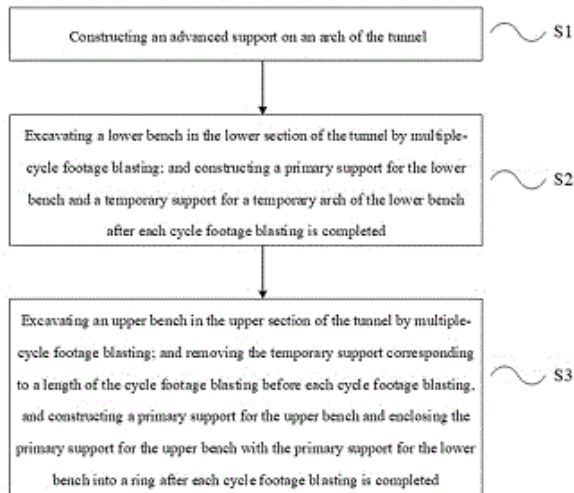
72: ZHANG, SHUAI, WANG, JIANHUI, YANG, KAI,
SONG, XINHAI, YU, JIAN, WANG, JIWEI

33: CN 31: 202011125816.9 32: 2020-10-20

54: TUNNEL EXCAVATION METHOD FOR UPPER-SOFT AND LOWER-HARD STRATUM

00: -

A tunnel excavation method for an upper-soft and lower-hard stratum. The section of a tunnel is divided into an upper portion and a lower portion. The excavation step comprises: S1, constructing advanced support on an arch portion of the tunnel; S2, excavating a lower step (1) on the lower section of the tunnel in a multi-time cyclic footage blasting manner, wherein a lower step primary support and a temporary support of a temporary arch portion (11) of the lower step (1) are constructed after each time of cyclic footage blasting is completed; and S3, excavating an upper step (2) on the upper section of the tunnel in the multi-time cyclic footage blasting manner, wherein the corresponding temporary support is removed before each time of cyclic footage blasting, an upper step primary support is constructed after each time of cyclic footage blasting is completed, and the upper step primary supports and the lower step primary supports are closed to form rings.



21: 2023/05469. 22: 2023/05/19. 43: 2023/11/29
 51: C25C
 71: ELYSIS LIMITED PARTNERSHIP
 72: D'ASTOLFO, Leroy, MICKELSON, Larry, RUAN, Yimin

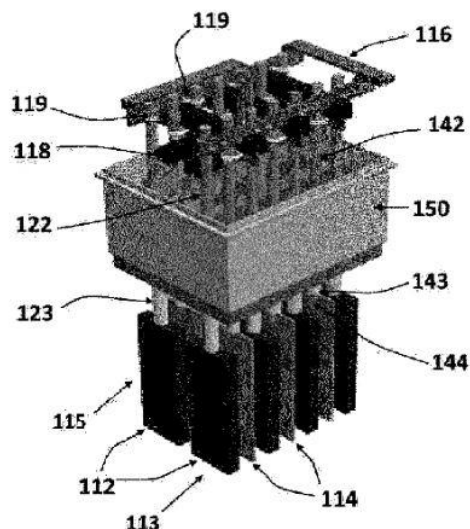
33: US 31: 63/118,774 32: 2020-11-27
54: CONTROLLING ELECTRODE CURRENT DENSITY OF AN ELECTROLYTIC CELL

00: -
 Apparatuses and methods for controlling electrode current density of an electrolytic cell during the electrolytic production of a metal, such as aluminum or aluminium, are disclosed. The cell has anodes and cathode plates vertically aligned and arranged in alternating rows. Each electrode defines a connecting region for connecting the electrode to the cell, a middle region, and an ACO (Anode-Cathode Overlap) region extending from the middle region for overlapping adjacent electrodes(s). The ratio of the ACO region's surface area to the middle region's surface area is superior to one. Alternatively, an average cross-sectional ACO region to the middle and connecting regions, is superior than one, preferably superior than 2. The present technology allows maximizing current density in the ACO region. Increasing these ratios has less impact on the environment by reducing heat generation and energy consumption, making the metal production eco-friendly, in particular when used with inert or oxygen evolving electrodes.

21: 2023/05470. 22: 2023/05/19. 43: 2023/11/29
 51: C25C
 71: ELYSIS LIMITED PARTNERSHIP
 72: D'ASTOLFO, Leroy, LIU, Xinghua, MICKELSON, Larry, MACKEY, Allen George, FORS, John
 33: US 31: 63/117,483 32: 2020-11-24
54: REMOVING IMPURITIES FROM AN ELECTROLYTE

00: -
 It is disclosed a purifier assembly and method for removing impurities from an electrolytic bath before using the same with an electrolytic cell for making a metal, such as aluminum or aluminium. The assembly comprises a purification tank, located upstream the cell, for containing the bath; and at least one row, preferably at least two rows, of alternating vertically oriented cathodes and anodes configured to be operatively connected to a power supply for providing an electric current to the anodes and cathodes. The rows of vertically oriented cathodes and anodes are configured in size to be inserted into the tank. The purifier assembly is configured to maintain an anode-to-cathode distance (ACD) between the cathodes and anodes. The purifier is particularly adapted for removing sulfur, phosphorus, iron, and/or gallium from cryolite for the eco-friendly production of aluminum with a cell using

oxygen-evolving or inert anodes, which preferably requires a purer bath.



21: 2023/05549. 22: 2023/05/23. 43: 2023/11/22
51: A61L

71: MAZURSKY, Hernan, MAZURSKY, Alexis, MAZURSKY, Luis Adolfo

72: MAZURSKY, Hernan, MAZURSKY, Alexis, MAZURSKY, Luis Adolfo

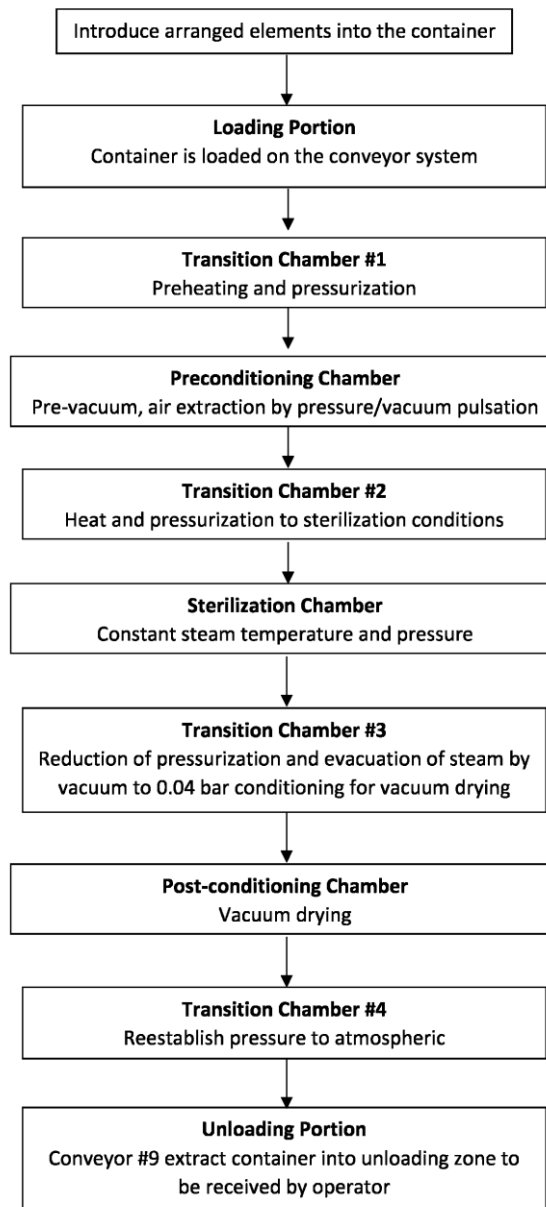
33: US 31: 63/107,366 32: 2020-10-29

54: CONTINUOUS ELEMENT DECONTAMINATION AND STERILIZATION SYSTEM

00: -

A continuous element decontamination and sterilization system has a set of transition chambers and operation chambers, a set of ports, a conveyor system, and a container. The sterilization system uses the chambers to form a modular system where each of the operation chambers is sandwiched between a preceding transition chamber and a subsequent transition chamber. The transition chambers serve as preprocessing or post processing devices that condition the container before entering an operation chamber. In this way, the conditions within the operation chamber do not fluctuate when the container is moved into it by the conveyor system. The conveyor system moves the container through the transition chambers and the operation chambers and enables a user to reload the container to be passed through the chambers for subsequent sterilization operations. The ports are integrated into the chambers so fluids and cleaning

agents can be pumped into and extracted from the chambers.



21: 2023/05622. 22: 2023/05/25. 43: 2023/12/04
51: A61K; C07D

71: CHEMOCENTRYX, INC.

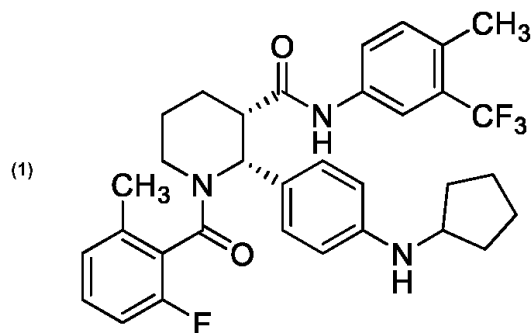
72: SINGH, Rajinder, YAU, Kwok, ZENG, Yibin, ZHANG, Penglie, LUI, Rebecca M., KRASINSKI, Antoni

33: US 31: 62/932,652 32: 2019-11-08

54: FREE BASE CRYSTALLINE FORM OF A COMPLEMENT COMPONENT C5A RECEPTOR

00: -

Provided herein is a free base crystalline form of a complement component 5a receptor having the formula of Compound (1). Also provided herein are pharmaceutical compositions and methods of treatment using the crystalline free base form of Compound (1) described herein.

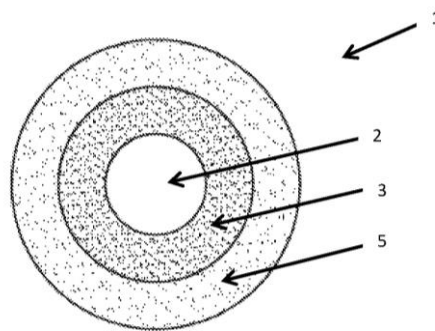


21: 2023/05623. 22: 2023/05/25. 43: 2023/12/07
 51: A01N; C05G
 71: DONAGHYS LIMITED
 72: MARFELL, Jarred, SILVA, Jeremy, YERITSYAN, Karen

33: NZ 31: 759005 32: 2019-11-08
 33: NZ 31: 766151 32: 2020-07-10

54: A COMPOSITION AND RELATED METHODS OF MANUFACTURE AND USE

00: -
 Described herein is a stable dry composition comprising a compound with herbicide activity located on a carrier compound and a compound with amphiphilic properties coating at least part or all of the compound with herbicide activity and carrier compound. Methods of manufacture and application of the dry composition are also described along with storage stable plant and herbicide compositions and methods of co-administration of combination plant and herbicide compositions.

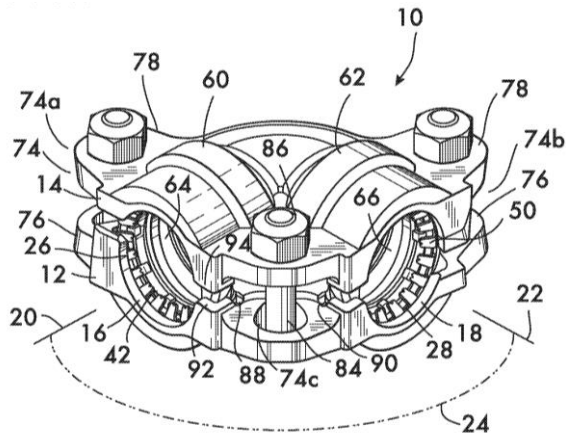


21: 2023/05625. 22: 2023/05/25. 43: 2023/12/04
 51: F16L

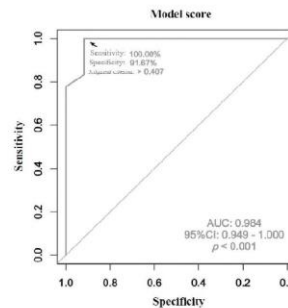
71: VICTAULIC COMPANY
 72: SITH, Ahmad, BOWMAN, Matthew A.,
 MADARA, Scott D., STERNER, Jeffrey Lance
 33: US 31: 62/336,893 32: 2016-05-16

54: FITTING HAVING TABBED RETAINER AND OBSERVATION APERTURES

00: -
 A pipe fitting for plain end pipe is formed of housing portions defining receptacles for receiving pipe elements. The receptacles are coaxial with respective axes oriented angularly with respect to each other. Each receptacle has a channel that faces a respective axis with floors at different radii of curvature. Retainers are received within the channels. The retainers have teeth and one or more offset tabs that cooperate with the channels to prevent improper assembly of the fitting. Ring seals are received within channels positioned adjacent to the receptacles. The ring seals cooperate with the retainers to hold the segments in spaced relation sufficient to insert pipe elements into the receptacles when the fitting is pre-assembled. Apertures are provided in the receptacles to permit visual determination of the presence of the retainers post assembly.



transformation occurs, thereby effectively guiding clinical application.



21: 2023/05665. 22: 2023/05/24. 43: 2024/01/04
51: G16H
71: Cancer Hospital, Chinese Academy of Medical Sciences

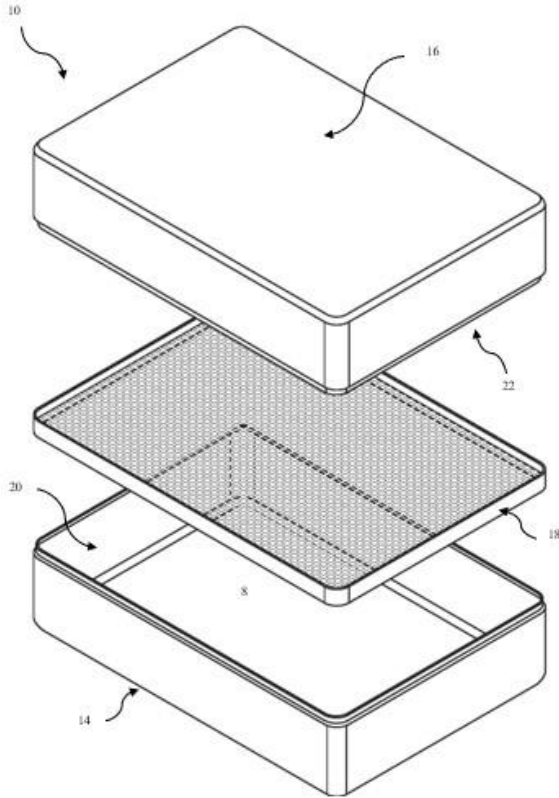
72: Puyuan XING, Tongji XIE, Yan LI, Jianming YING, Junling LI, Shouzheng WANG, Lin YANG
33: CN 31: 202211419631.8 32: 2022-11-14
54: MODEL FOR PREDICTING RISK OF SMALL CELL TRANSFORMATION IN PATIENT WITH LUNG ADENOCARCINOMA AND ESTABLISHMENT METHOD THEREOF

00: -
Disclosed are a model for predicting the risk of small cell transformation in a patient with lung adenocarcinoma (LUAD) and an establishment method thereof. The model for predicting the risk of small cell transformation in a patient with LUAD includes: detection of mRNA expression levels of COL6A6, CASP12, HHIP, ZBTB16, BIRC3, and GATA2 in a tumor sample of a patient with LUAD. The establishment method of the model includes: mRNA extraction and data processing, binary classification of continuous variables, and variable screening of binary variables and model construction. The model provided in the present disclosure is superior to single mRNA used for model construction in the accuracy of diagnosis of the risk of small cell transformation in patients. Moreover, the model constructed in the present disclosure is helpful for individualized management of patients. For patients with high scores, i.e., patients at high risk of transformation, the frequency of drug resistance monitoring should be increased, and if necessary, secondary biopsy should be performed to determine whether small cell

21: 2023/05672. 22: 2023/05/23. 43: 2024/01/04
51: A01K
71: SCHEEPERS, Erika
72: SCHEEPERS, Erika
33: ZA 31: 2022/05816 32: 2022-05-26

54: PET LITTER REPOSITORY AND METHOD OF USING SAME

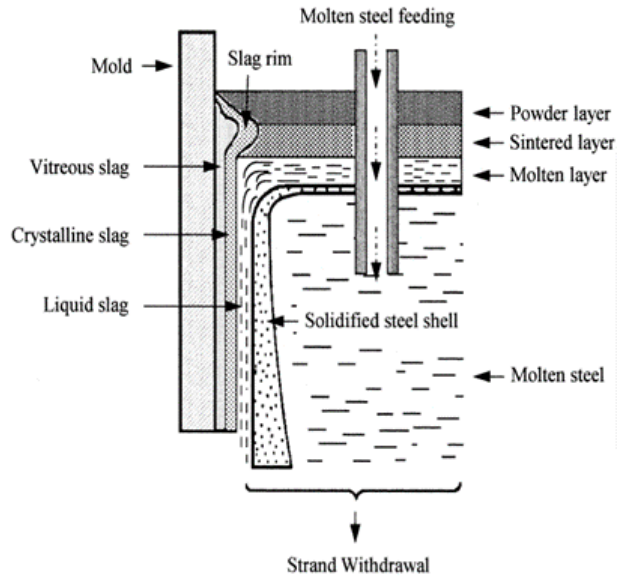
00: -
A pet litter repository is disclosed, the repository being designed to assist in improvement of pet hygiene and cleaning whilst improving ergonomics associated with a carer for the pet. The pet litter repository comprising a housing for holding pet litter, said housing having a roof and a floor displaceable relative to each other between a litter holding configuration, wherein said housing defines an internal chamber with sieve means disposed within said chamber to separate said chamber into a first compartment and a second compartment with one of said compartments locating pet litter; and a litter cleaning configuration, wherein said first and second compartments are separated from each other with the sieve means exposed.



21: 2023/05731. 22: 2023/05/29. 43: 2024/01/08
 51: B22D
 71: CHONGQING UNIVERSITY
 72: YU, Liang, DONG, Jingmeng, ZHANG, Lu, JIA, Jiaqi, WANG, Ran
54: METHOD FOR PREPARING CONTINUOUS CASTING PROTECTING SLAG FROM ELECTROLYTIC ALUMINUM WASTE SLAG, WASTE WATER AND BLAST FURNACE SLAG
 00: -

The present invention discloses a method for preparing continuous casting protecting slag from electrolytic aluminum waste slag, waste water and blast furnace slag, comprising the following steps: step 1, using 22%-45% of calcium oxide, 17%-56% of silicon oxide and 0%-13% of alumina as basic slag of protecting slag, adding material containing 2%-16% of fluorine and 2%-20% of sodium as a solvent to control a melting point of the protecting slag as about 900-1100°C, and after adding 2%-20% of carbon material, controlling a melting rate of the protecting slag using the principle of non-penetration of carbon and slag. In the present invention, the solid waste of the blast furnace slag and the hazardous waste of SPL are converted together into the production raw materials of protecting slag;

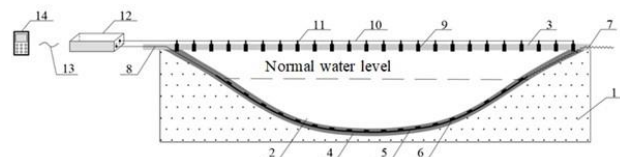
sodium fluoride and calcium silicate are converted into cuspidine by the heat of steel continuous casting in the use process of the protecting slag.



21: 2023/05732. 22: 2023/05/29. 43: 2024/01/08
 51: G01N; G01V
 71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, ZHEJIANG INSTITUTE OF HYDRAULICS & ESTUARY (ZHEJIANG INSTITUTE OF MARINE PLANNING AND DESIGN), ZHEJIANG GUANGCHUAN ENGINEERING CONSULTING CO., LTD.
 72: TAN, Lei, ZHANG, Pingsong, JIANG, Xiaoyi, HU, Xiongwu, XI, Chaoqiang, XU, Hu, JIANG, Shuhai, LIANG, Donghui, XU, Shi'ang, OU, Yuanchao, SUN, Binyang, LIU, Fuda, WANG, Yeling
 33: CN 31: 202211192113.7 32: 2022-09-28
54: BOW APPARATUS AND METHOD FOR DETECTING SEEPAGE OF ANTI-SEEPAGE WALL WITH RESISTIVITY
 00: -

The present invention discloses a bow apparatus and method for detecting seepage of an anti-seepage wall with resistivity. The apparatus includes: an electrode-in-hole structure portion, including a cable-in-hole and a plurality of electrodes-in-hole, wherein one end of the cable-in-hole is connected with a fixed tow rope, and the other end of the cable-in-hole is connected with a time-shift parallel electrical monitoring system through a communication cable; a ground electrode structure portion, including a ground cable and a plurality of ground electrodes, wherein tops of the

ground electrodes are connected with the ground cable, and the ground cable is connected with the time-shift parallel electrical monitoring system; and the time-shift parallel electrical monitoring system, configured to set sampling parameters for the ground cable and the cable-in-hole, collect relevant data of the cables, and evaluate a hidden danger level of the anti-seepage wall after analyzing and processing the relevant data.



21: 2023/05780. 22: 2023/05/30. 43: 2023/11/29
51: A23L

71: Hanzhong Ruijiahong Agriculture Co., Ltd.

72: Long Wang

33: CN 31: 202211038603.1 32: 2022-08-25

54: A FLAVOURED SEALWORT WOLFBERRY DRINK

00: -

The invention relates to the technical field of food processing, in particular to a flavoured sealwort wolfberry drink and a preparation method thereof. It includes sealwort, wolfberry, poria cocos, liquorice, mulberry, polygonum multiflorum, Chinese yam, ophiopogon japonicus, honey, dandelion, gardenia, honeysuckle, hawthorn, blueberry, sodium isovitamin C, sour flavor agent, sweetener. The invention provides a sealwort wolfberry drink and a preparation method thereof. It is made of natural plants, and its taste is fresh and sweet. It has the effect of tonifying spleen, moistening lung, relieving heat and relieving cough. It can consolidate the body foundation, tonify the spleen and kidney, help vaporize, improve body nodules, improve kidney function, and improve frequent urination, urgent urination, endless urination, red urine pain, dysuria, nocturia and so on. It retains the nutrients of the raw materials, and has excellent color, aroma and taste. It is to relieve physical fatigue drinks, can meet the market demand; Its drink organization is uniform and delicate; Its taste is pure, sweet and delicious; It has no precipitation stratification in the shelf life.

21: 2023/05788. 22: 2023/05/30. 43: 2023/11/29
51: B03D

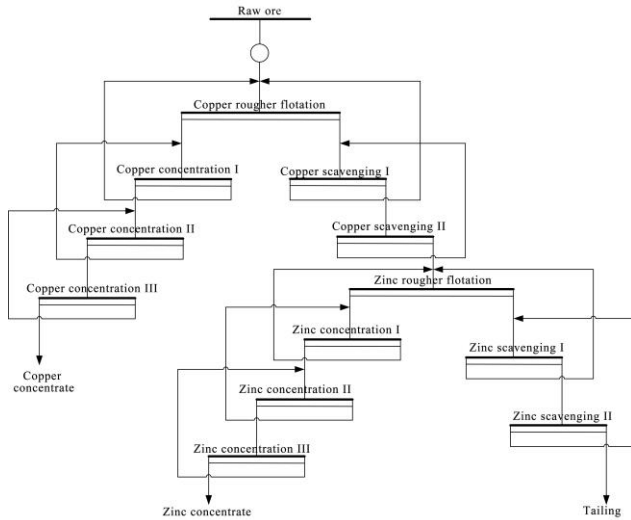
71: Kunming University of Science and Technology
72: Peilun Shen, Haoxiang Wang, Dianwen Liu, Rong Peng, Jinpeng Cai, Xiaolin Zhang, Hao Lai, Liuyang Dong, Yulong Xiang, Bin Pei, Zhao Xie, Yinyu Ma

33: CN 31: 202310512978.5 32: 2023-05-09

54: A COMBINED DEPRESSANT FOR FLOTATION SEPARATION OF CU-ZN SULFIDE MINERALS AND ITS APPLICATION

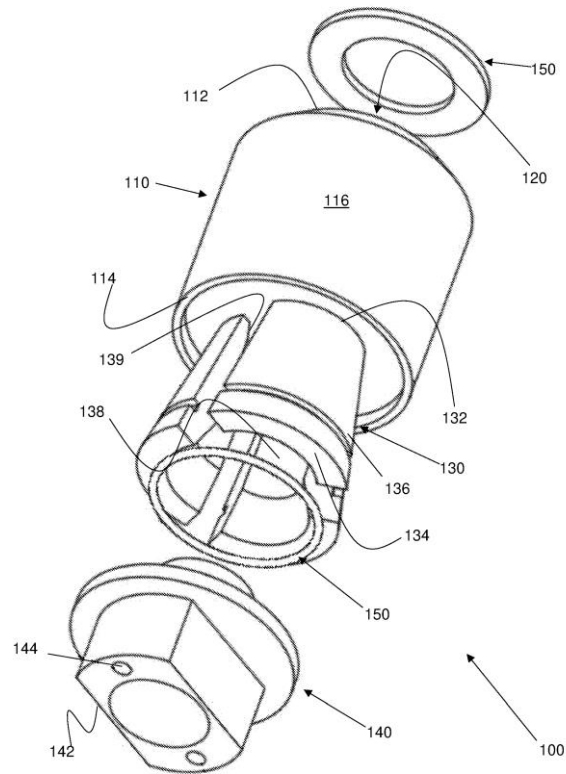
00: -

The invention discloses a combined depressant for flotation separation of Cu-Zn sulfide minerals and its application. The combined depressant of the invention includes zinc sulfate and hibiscetin; Combined depressant is used in flotation separation of chalcopyrite and sphalerite as depressant of sphalerite. The raw ore is crushed and grinded and then pulp is adjusted to get the pulp to be flotation. Calcium oxide, combined depressant zinc sulfate and hibiscetin, collector and frother are added to the pulp successively for copper flotation operation to get copper concentrate and copper tailings. Activator, collector and frother are added to copper tailings successively for zinc flotation operation to get zinc concentrate and tailings. The combined depressant of the invention has strong inhibition effect on sphalerite, which can effectively realize the flotation separation of chalcopyrite and sphalerite, hibiscetin can strengthen the inhibition effect of zinc sulfate on sphalerite, and can reduce the dosage of zinc sulfate, improve the separation effect of copper and zinc sulfide minerals, but also can reduce the beneficiation cost.



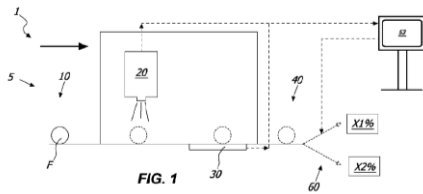
21: 2023/05790. 22: 2023/05/30. 43: 2024/01/08
 51: B60B
 71: RIM-LOCK INNOVATIONS PTY LTD
 72: GUINEA, Joseph
 33: AU 31: 2020904163 32: 2020-11-13
54: A RETENTION DEVICE AND A METHOD OF USE THEREOF
 00: -

The present invention relates to a retention device and method of use thereof for fitting wheel rims. In one form, there is provided a retention device including: a body having a mounting end and an opposed outer end and defining a receiving opening extending from the mounting end at least partially towards the outer end, said receiving opening configured to at least partially receive the wheel stud therein; a plurality of wedge elements aligned and arranged within the body to engage with the wheel stud; and a magnetic member positioned at the mounting end of the body, said magnetic member configured to magnetically mount the retention device to a nave plate of a wheel rim.



21: 2023/05800. 22: 2023/05/30. 43: 2023/12/04
 51: G01N
 71: AGRICOLA LUSIA S.R.L.
 72: CAMPAGNARO, Daniele, MODICA, Nicola, GAETAN, Carlo, GIRARDI, Paolo, RIELLO, Pietro
 33: IT 31: 102020000030629 32: 2020-12-11
54: METHOD, COMPUTER PROGRAM, COMPUTER SYSTEM AND ASSEMBLY FOR THE NON-DESTRUCTIVE DETERMINATION OF THE JUICE CONTENT OF JUICE FRUITS, AS WELL AS THE USE OF THIS ASSEMBLY FOR THE QUALITY CLASSIFICATION OF JUICE FRUITS
 00: -
 A computer-implemented method for the non-destructive determination of the juice content of at least one juice fruit, comprising at least the following steps: collecting first data relating to the estimated volume (VsF) and to the actual weight (PrF) of the at least one juice fruit (F); collecting at least one first plurality of pairs of reference data (Dr1, %r1; Dr2, %r2; Dr3, %r3...) for the at least one juice fruit; calculating, based on these first data (VsF, PrF), the density (DcF) of the at least one juice fruit (F); processing, based on the at least one first plurality (52) of pairs of reference data (Dr1, %r1; Dr2, %r2; Dr3, %r3...) and said calculated density value (DcF),

a value relating to an amount of an estimated amount of juice (%sF) for the at least one juice fruit (F).



21: 2023/05831. 22: 2023/05/31. 43: 2024/01/08
51: F04D

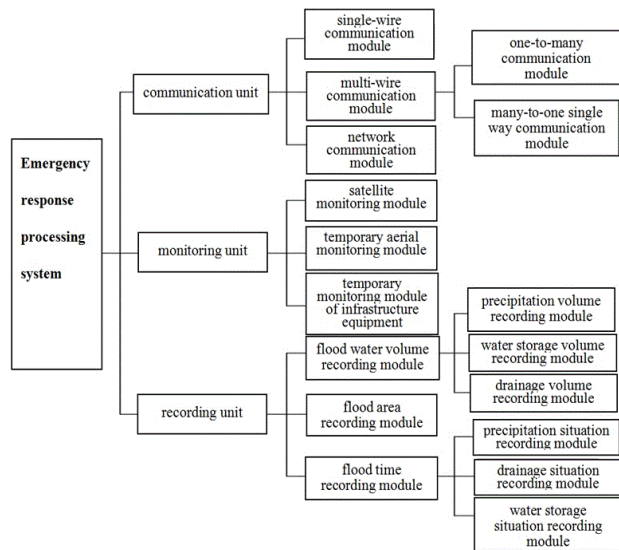
71: Zhejiang International Marine Vocational and Technical College

72: Du Lie, Wu Najiong, Li Ziqiang

54: EMERGENCY RESPONSE PROCESSING METHOD FOR SMART CITY DRAIN FLOODED FIELDS

00: -

The present invention relates to the technical field of the flood disaster emergency processing, in particular, it relates to the emergency response processing method for smart city drain flooded fields, the output end of the emergency response processing system is connected with a communication unit through the signal, the output end of the communication unit is connected with a single-wire communication module through the signal, the output end of the communication unit is connected with a multi-wire communication module through the signal, the multi-wire communication module is connected with a one-to-many communication module through the signal through the signal. The present invention strengthens the connection from the command to the front line through the communication unit, the monitoring unit monitors the flood situation in real time to facilitate the staff to make a plan, and then records the flood situation in detail through the recording unit, so as to achieve flexible control of the overall system, strengthen the practical performance of the overall system, it improves the effect of a certain reaction error from command to front line in the existing urban drain flooded fields process.



21: 2023/05832. 22: 2023/05/31. 43: 2024/01/08
51: B23F

71: ZRIME Gearing Technology Co., Ltd.

72: Wang Feng, Xu Wenbo, Zhu Peng, Huang Hongtao, Yang Shufeng, Hou Nai

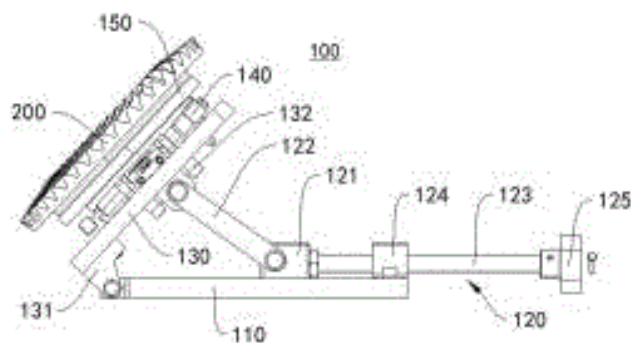
33: CN 31: 2022217338405 32: 2022-07-07

54: CLAMP AND EQUIPMENT FOR MEASURING TOOTH SURFACE ROUGHNESS OF DISC-TYPE SPIRAL BEVEL GEAR

00: -

The invention provides a clamp and an equipment for measuring tooth surface roughness of a disc-type spiral bevel gear, and relates to the technical field of measuring structures. The measuring clamp for tooth surface roughness of a disc-type spiral bevel gear comprises a bottom plate, an angle adjusting structure, a lifting platform, a rotating structure and a gear mounting structure. The gear mounting structure is used for mounting the spiral bevel gear, and the gear structure is mounted on the rotating structure, so that the rotating structure drives the gear mounting structure to rotate to realize the rotation adjustment of the spiral bevel gear. The rotating structure is installed on the lifting platform, and the angle adjusting structure is simultaneously connected with the lifting platform and the bottom plate, so that the angle of the lifting platform relative to the bottom plate can be adjusted through the angle adjusting structure, and then the angle of the spiral bevel gear can be adjusted. The clamp is helpful to ensure the accuracy of angular position and rotational position, and to ensure the position consistency in the process of repeated

measurement, thus reducing the measurement error and ensuring the production quality.



21: 2023/05871. 22: 2023/06/01. 43: 2024/01/09
51: C05F

71: CHINA AGRICULTURAL UNIVERSITY

72: LI, Zhifang, YU, Chen, XIE, Yuyan

54: PREPARATION METHOD OF ORGANIC FERTILIZER AND PREPARATION METHOD OF ORGANIC-INORGANIC BIOCHAR COMPOUND FORMULA FERTILIZER

00: -

Disclosed is a preparation method of an organic fertilizer and a preparation method of an organic-inorganic biochar compound formula fertilizer. The method of the organic fertilizer provided by the present invention comprises: mixing organic matters and biochar to obtain a premix; controlling a water content of the premix to be 10%-50%; adding an organic matter degrading enzyme into the premix treated previously; adding biodegradation agents into a mixture obtained previously; performing composting fermentation on a mixture obtained in step to obtain the organic fertilizer after the fermentation. The compound formula fertilizer mixes and ferments the plant-sourced and animal-sourced organic matters, performs harmless treatment on raw materials to form the biochar, and gives play to an adsorption action thereof to produce the clean organic fertilizer; and according to the organic matters of different sources, a formula with balanced and reasonable nitrogen, phosphorus and potassium fertilizers is obtained to maximize fertilizer efficiency.

21: 2023/05909. 22: 2023/06/02. 43: 2024/01/09
51: A61K; C07C; C07D; C07F

71: SUZHOU ABOGEN BIOSCIENCES CO., LTD.

72: YING, Bo, WANG, Xiulian

33: US 31: 63/140,691 32: 2021-01-22

33: WO 31: PCT/CN2021/122704 32: 2021-10-08

33: CN 31: 202110051373.1 32: 2021-01-14

54: LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS

00: -

Provided herein are lipid compounds that can be used in combination with other lipid components, such as neutral lipids, cholesterol and polymer conjugated lipids, to form lipid nanoparticles for delivery of therapeutic agents (e.g. nucleic acid molecules) for therapeutic or prophylactic purposes, including vaccination. Also provided herein are lipid nanoparticle compositions comprising said lipid compounds.

21: 2023/05927. 22: 2018/11/16. 43: 2023/11/15
51: A61K

71: IO THERAPEUTICS, INC.

72: CHANDRARATNA, Roshantha, A., VULIGONDA, Vidyasagar, Pradeep, JACKS, Thomas, WADE, Peter, THOMPSON, Andrew

33: US 31: 62/588,163 32: 2017-11-17

33: US 31: 62/671,137 32: 2018-05-14

54: COMPOUNDS AND SYNTHETIC METHODS FOR THE PREPARATION OF RETINOID X RECEPTOR-SPECIFIC RETINOIDS

00: -

Provided herein are compounds useful for the preparation of compounds that have retinoid-like biological activity. Also provided herein are processes for the preparation of compounds that have retinoid-like biological activity.

21: 2023/05929. 22: 2023/06/05. 43: 2024/01/10
51: C01G; C22B; H01M

71: China University of Petroleum-Beijing

72: Guoyong HUANG, Jiawei WEN, Xueli WANG, Xuejun HOU, Chunxia WANG

33: CN 31: 202210878133.3 32: 2022-07-25

54: A METHOD OF PREPARING VANADIUM DIOXIDE BATTERY MATERIAL FROM SPENT VANADIUM-TITANIUM BASED SCR CATALYST

00: -

The present invention discloses a method for preparing vanadium dioxide battery materials using spent vanadium-titanium based SCR catalysts. The method of the present invention comprises the following steps: (1) adding a reducing agent and an acid to a spent vanadium-titanium-based SCR catalyst for reductive acid leaching, and solid-liquid

separation to obtain a leaching solution containing V4+ and impurity ions; (2) adding an organic solution of a modified organophosphorus extractant to the leaching solution for selective extraction to obtain a vanadium rich extract solution; adding an acidic aqueous solution to the vanadium rich extract solution for stepwise stripping to obtain an aqueous solution of VO2+ with a purity of more than 99% VO2+; (3) adding an alkali to the aqueous solution of VO2+ to produce a precipitate to obtain a VO(OH)2 precipitate; and subjecting the VO(OH)2 precipitate to a hydrothermal reaction to obtain the vanadium dioxide battery material. The method of the present invention can realize the effective recovery and short-range value-added utilization of vanadium element in spent SCR catalysts.

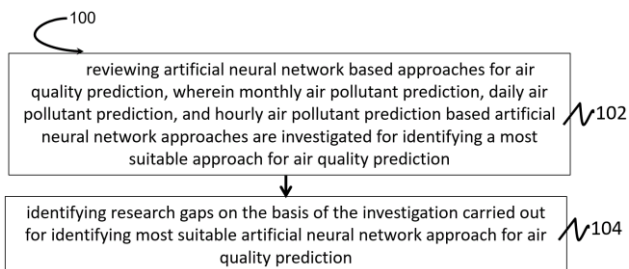
21: 2023/05934. 22: 2023/06/05. 43: 2024/01/10
51: G06N

71: Dr. Vibha Yadav, Dr. Bishal Kumar Mishra, Dr. Ashok Kumar, Rajkumar, Dr. Prabhat Kumar, Mohd Juned Ansari, Shaista Kahkeshan, Vikram Singh, Shubham Gupta, Ankit Tiwari, Akhilesh Kumar Gupta, Kalyan Singh Yadav, Devesh Kumar Agrawal
72: Dr. Vibha Yadav, Dr. Bishal Kumar Mishra, Dr. Ashok Kumar, Rajkumar, Dr. Prabhat Kumar, Mohd Juned Ansari, Shaista Kahkeshan, Vikram Singh, Shubham Gupta, Ankit Tiwari, Akhilesh Kumar Gupta, Kalyan Singh Yadav, Devesh Kumar Agrawal

54: A METHOD FOR INVESTIGATING THE AIR QUALITY PREDICTION AND AGRICULTURAL APPLICATIONS BASED ON ARTIFICIAL NEURAL NETWORK

00: -

The present disclosure relates to a method for investigating the air quality prediction based on artificial neural network. More particularly, the present disclosure relates to investigation various air quality detection approach that are artificial neural network based, and then on the basis of investigation, research gaps are identified. The study demonstrates that compared to conventional approaches, artificial neural network techniques predict air contaminants more accurately. It is discovered that the training technique and input parameter combinations (meteorological) affect how well ANN models anticipate outcomes. The present analysis also identifies further research fields in approaches based on ANN techniques.



21: 2023/05935. 22: 2023/06/05. 43: 2024/01/10

51: A01K

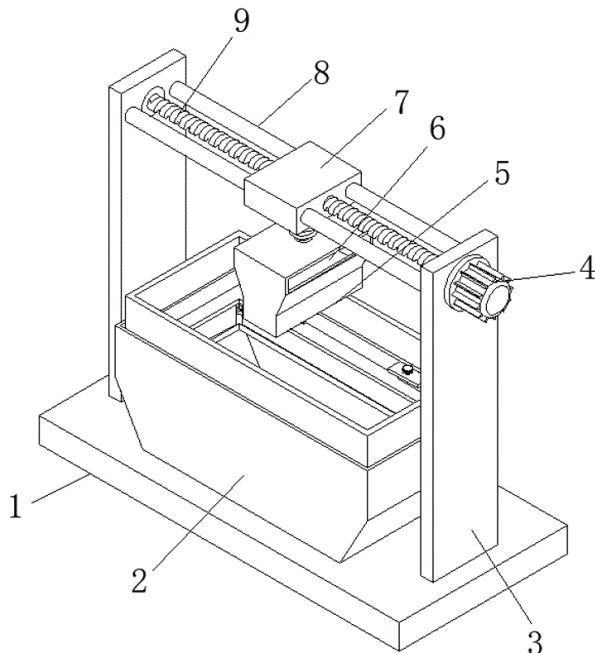
71: Anhui Nongke Jiuhong Animal Husbandry Technology Co., Ltd

72: Qing yang

54: A FECAL LEAKAGE PLATE DETECTION EQUIPMENT

00: -

The present invention discloses a fecal leakage plate detection equipment. The equipment includes a permanent seat, specifically, both sides of the top of the permanent seat are connected to support plates through bolts; outer walls, close to the top, of opposite sides of the two support plates are connected to threaded rods rotationally through shaft bearings; an outer wall of the threaded rod is connected to a moving block in a threaded connection; the bottom of the moving block is connected to a hydraulic rod through the bolt; the bottom of the hydraulic rod is connected to a storage box through the bolt; outer walls of both sides of the storage box are provided with feed inlets; the bottom of the storage box is provided with a discharge opening; and inner walls, close to the bottom, of opposite sides of the storage box are connected to a plurality of stop levers in a crossed distribution through the bolt. According to the present invention, an influence on the detection of leakage capacity of the fecal leakage plate caused by the blockage of a fecal leakage plate due to an accumulation of detection materials when falling together can be prevented.



21: 2023/05936. 22: 2023/06/05. 43: 2024/01/10
51: G01N

71: Nanchang Institute of Technology
72: Hou Jiexi, Deng Yujie, Lei Lei, Xiao Changlong, Wang Yanbo, Zhang Jie, Zhao Jiao, Jin Zhinong
33: CN 31: 2023105435969 32: 2023-05-15
54: A G-SSR MARKER PRIMER COMBINATION AND ITS APPLICATION IN THE CONSTRUCTION OF FINGERPRINT OF ANCIENT CINNAMOMUM CAMPHORA (L.)

00: -
The present disclosure relates to the technical field of biological information, in particular to a G-SSR marker primer combination and its application in the construction of fingerprint of ancient Cinnamomum camphora (L.) Presl. The G-SSR marker primer combination consists of primer pair 1 and primer pair 2; wherein, the upstream primer sequence of primer pair 1 is shown as SEQ ID NO.1, and the downstream primer sequence is shown as SEQ ID NO.2; the upstream primer of primer pair 2 is shown as SEQ ID NO.3, and the downstream primer is shown as SEQ ID NO.4. The present disclosure also discloses a method for constructing the fingerprint of ancient Cinnamomum camphora (L.) Presl. The fingerprint construction of ancient Cinnamomum camphora (L.) Presl by using the construction method of the present disclosure can provide reference for the subsequent differentiation and fingerprint construction of more Cinnamomum

camphora (L.) Presl germplasm resources, and provide theoretical basis for the protection of ancient Cinnamomum camphora (L.) Presl germplasm resources, and the genetic improvement, variety identification and high-quality gene exploration of Cinnamomum camphora (L.) Presl.

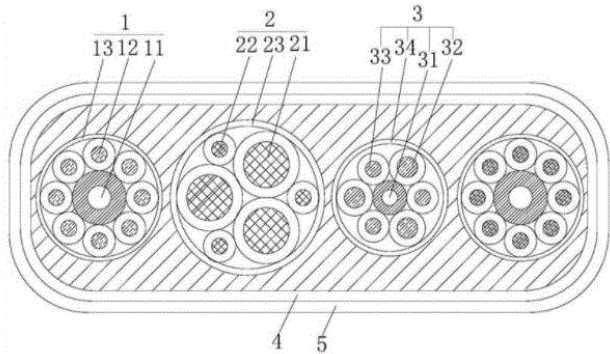


21: 2023/05954. 22: 2023/06/05. 43: 2023/12/01
51: H01B

71: Anhui Huaneng Cable Group Co., Ltd.
72: Shanghai Xiao, Chuanbo Gong, Zhaoyun Tian, Chaoya You, Xudong Zhang
33: CN 31: 202210515394.9 32: 2022-05-12
54: A FLAT COIL CABLE WITH HIGH TEMPERATURE RESISTANCE, BENDING RESISTANCE AND WEAR RESISTANCE FOR A FREQUENCY CONVERSION DEVICE

00: -
The invention provides a flat coiled cable with high temperature resistance, bending resistance and wear resistance for frequency conversion device. The control cable comprises two groups of control cables. The control cable comprises a first fine soft wire rope in the middle, eight control cable core and a cable core shielding layer covering the first fine soft wire rope and eight control cable cores. The frequency conversion cable comprises three frequency conversion power wire core, three ground wire cores, and a cable core shielding layer covered in three frequency conversion power wire core and three ground wire cores. The invention provides two groups of frequency conversion cables, and the frequency conversion cable core adopts 3+3 structure. The outer layer is equipped with tinned copper wire braid, the density is not less than 85%,

so that the cable has strong voltage impact resistance. It can withstand the pulse voltage of high-speed frequency conversion, and it plays a good protective role for frequency conversion appliances. It has the advantages of energy saving, extending the service life and maintenance cycle of the motor. The special structure design of the cable makes the cable have excellent tensile strength and bending resistance.



21: 2023/05962. 22: 2023/06/05. 43: 2023/12/01
51: A61C

71: North China University of Science and Technology

72: Zhiyu Zhao, Yijie Li, Lili Zhao, Peng Liu, Lan Guo, Yanming Zhao

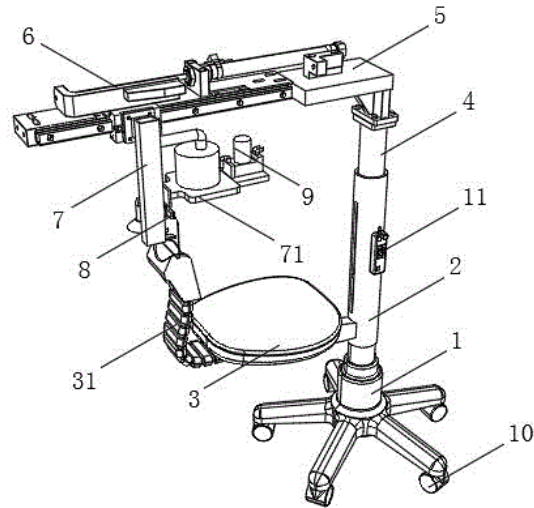
33: CN 31: 202210369455.5 32: 2022-04-08

54: A NEGATIVE PRESSURE MOUTH OPENER FOR PREVENTING AEROSOL DISPERSAL IN STOMATOLOGY DEPARTMENT

00: -

The invention provides a negative pressure mouth opener for preventing aerosol dissemination in stomatology department. It comprises a fixed base, the top of the fixed base is fixed with a supporting column, a base is fixed on one side of the supporting column, the internal supporting column is fixed with a lifting mechanism, the top of the lifting mechanism is fixed with a beam. The surface of the beam is fixed with an adjusting mechanism, one side of the adjusting mechanism is fixed with a guide rod, the bottom of the surface of the guide rod is fixed with a support mechanism, and the middle of the surface of the guide rod is provided with a collection mechanism. The invention: Through the collection mechanism, control the work of the electric pump, drive the pump to pump the air suction so that the suction pipe inside the negative pressure, the collection cover will be the air aerosol suction,

through the suction pipe into the filter box, through the coarse screen core, HEPA high efficiency filter element and compound activated carbon filter element filtration, finally discharged through the exhaust pipe, effectively reduce the aerosol transmission.



21: 2023/05963. 22: 2023/06/05. 43: 2023/12/01
51: A61B

71: North China University of Science and Technology

72: Jundong Tang, Zhiyu Zhao, Luyang Gao, Lan Guo, Jie Li, Chenxi Shi

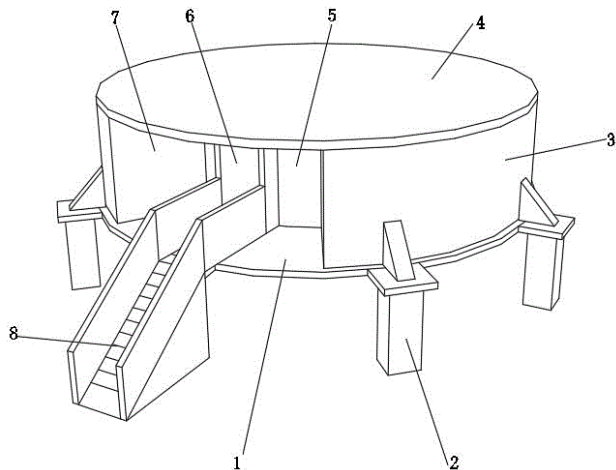
33: CN 31: 202210456040.1 32: 2022-04-27

54: A MENTAL HEALTH TEST DEVICE AND A TEST METHOD THEREOF

00: -

The invention discloses a mental health testing device and a testing method thereof, which relates to the technical field of mental health; This is to solve the problem of not being able to effectively relax patients as quickly as possible; The device specifically comprises a bottom plate, the top outer wall of the bottom plate is fixed with an inner frame and a soundproof frame, and the top outer wall of the soundproof frame is fixed with a top plate. The bottom plate and the top outer wall of the inner frame are provided with a plurality of guide troughs, and the inner wall of the guide troughs is glazed and connected with a plurality of smooth partitions. The mental health test method specifically includes the following steps: The patient opens the sealed door to enter the inner frame, and lies on a folding recliner to

control the closing of the lighting equipment inside the inner frame through the control panel. The patient controls the electric turntable through the control panel to drive the curved disk to rotate at a constant speed and turn on the ambient lighting at the same time. The rotating light of the invention is reflected back and forth through the smooth partition inside the inner frame, so that the patient lying on the folding recliner can quickly relax as the folding recliner rotates slowly.



21: 2023/05964. 22: 2023/06/05. 43: 2023/12/01
51: A61C

71: North China University of Science and Technology

72: Yijie Li, Chunguang Zhang, Yang Wang, Peng Liu, Zhiyu Zhao, Yanming Zhao

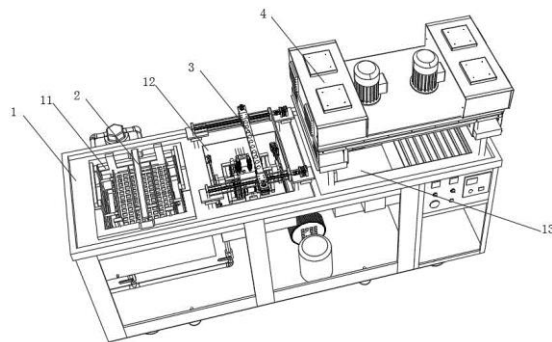
33: CN 31: 202210436277.3 32: 2022-04-25

54: A SPECIAL CLEANING AND DISINFECTING MACHINE FOR DENTAL INSTRUMENTS

00: -

The invention discloses a special cleaning and disinfecting machine for dental instruments. It includes a cleaning frame, the top end of the cleaning frame is provided with a cleaning groove, cleaning groove is provided with a sterilization cleaning groove on one side, sterilization cleaning tank is provided with a sterilization tank, cleaning tank is provided with a cleaning mechanism, sterilization cleaning tank is provided with an internal decontamination mechanism, sterilization tank is provided with a decontamination mechanism, the top of the sterilization tank is provided with a heating sterilization mechanism. The cleaning mechanism comprises a first electric telescopic rod fixed with the top side of the cleaning groove, and the telescopic

rod of the first electric telescopic rod is fixed with the bottom end of the side of the fixed frame. In this scheme, the expansion of the third electro-hydraulic rod is convenient to drive the fixed shell and the sterilization tank to close, so as to facilitate the rotation of the two third servo motors to drive the fan blades to rotate. At the same time, the high temperature evaporator is used to sterilize the oral instruments inside the sterilization tank, and the ultraviolet sterilizing lamp is used to sterilize the oral instruments inside the sterilization tank.



21: 2023/05985. 22: 2023/06/06. 43: 2024/01/10
51: A23L

71: Anqing Normal University, Anhui Xiaolongren Food stuffs Co.

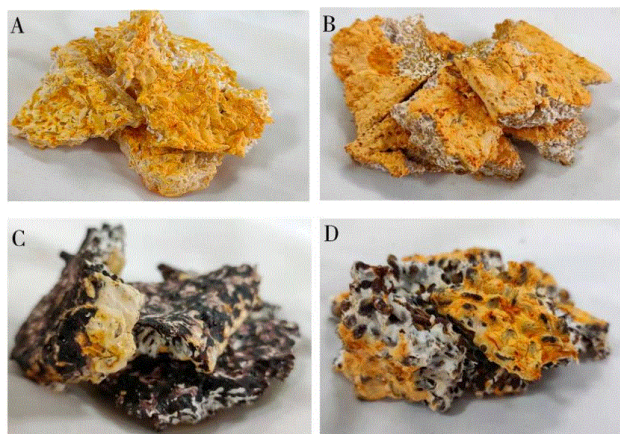
72: Hu Ting, Li Conghu, Li Zhixing, Cui Jiahao

54: A METHOD OF PREPARING NUTRITIOUS CHRYSALIS FERMENTED CEREAL POWDER

00: -

The present invention discloses a method of preparing nutritious chrysalis fermented cereal powder, which is characterized by using rice, black rice, millet, etc. as the main fermentation substrate and growing chrysalis mycelium in the substrate by solid-state fermentation to obtain nutritious cereal powder rich in chrysalis mycelium. The present invention includes the following preparation steps: (1) preparation of liquid strain of Chrysolium; (2) preparation of solid nutritional fermentation substrate such as rice, black rice and millet; (3) inoculation and fermentation; (4) drying; and (5) crushing and shaping. The beneficial effect of the present invention is that the medicinal effect of Chrysalis is organically combined with the nutrition of rice, black rice, millet and other cereals, so that the product contains a variety of nutrients and mineral elements, especially rich in cordycepin and adenosine, which

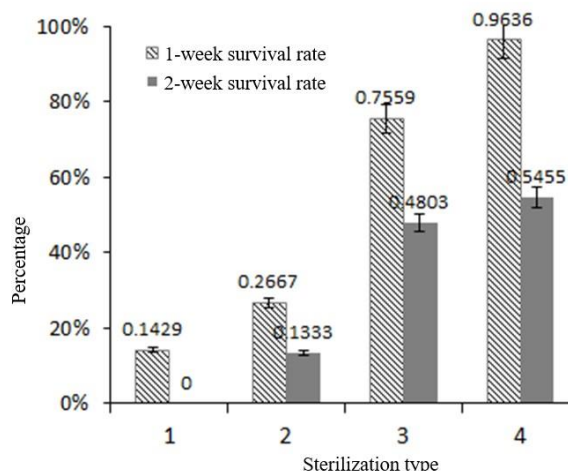
can improve the immunity of the body, inhibit tumors, anti-aging, meet the needs of people's healthy diet, and has a broad application prospect.



21: 2023/05986. 22: 2023/06/06. 43: 2024/01/10
51: A01H

71: JIANGXI NORMAL UNIVERSITY
72: LUO, Xiangdong, YANG, Yan, DAI, Liangfang
54: METHOD FOR IN VITRO TISSUE CULTURE, PROPAGATION AND PRESERVATION OF HUPERZIA SERRATE (THUNB) TREV.

00: -
The present invention discloses a method for in vitro tissue culture, propagation and preservation of *Huperzia serrate* (Thunb) Trev., and establishes an optimal rapid propagation system in a tissue culture process of the *Huperzia serrate* (Thunb) Trev., including a selection method of the most suitable explant and an efficient multiple sterilization method; key technical problems such as in vitro growth, propagation and preservation of the *Huperzia serrate* (Thunb) Trev. with different genotypes are solved; and finally rapid and high-quality propagation and preservation of the *Huperzia serrate* (Thunb) Trev. in a large amount in a short time are realized. The present invention can realize in vitro regeneration of the *Huperzia serrate* (Thunb) Trev. from different provinces and with different genotypes; and *Huperzia serrate* (Thunb) Trev. tissues in vitro can produce Huperzine A.



21: 2023/05987. 22: 2023/06/06. 43: 2024/01/10
51: A61K

71: Wu, Huanxing
72: Wu, Huanxing
54: MEDICINAL WINE FOR RELAXING TENDONS, INVIGORATING BLOOD CIRCULATION, DISPERSING SWELLING AND RELIEVING PAIN

00: -
The present invention discloses a medicinal wine for relaxing tendons, invigorating blood circulation, dispersing swelling and relieving pain. The following medicinal materials by weight are processed in per kilogram of soaking solution: 10-16 g *Caulis spatholobi*, 5-10 g *Lysimachia trientaloides* Hemsl., 10-16 g *Rhizoma seu Radix Notopterygii*, 10-16 g *Radix angelicae pubescentis*, 10-16 g *Herba speranskiae tuberculatae*, 10-16 g *Herba lycopodii*, 10-16 g *Septemlobate kalopanax branchlet*, 10-16 g Japanese yam, 5-10 g *Radix rubiae*, 10-16 g *Radix clematidis*, 5-10 g *Radix achyranthes bidentata*, 10-16 g Woolly dutchmanspipe herb, 5-10 g *Caulis tinosporae*, 5-10 g *Ramulus sambuci williamsii*, 10-16 g frankincense, 5-10 g *Radix dipsaci*, 5-10 g *Herba lamiophlomis*, 10-16 g *Rhizoma chuanxiong*, 10-16 g *Radix berchemiae lineatae*, 5-10 g *Rhizoma curcumae longae*, 5-10 g *Radix wikstroemiae indicae*, 5-10 g *Ramulus mori*, 10-16 g *Fructus cnidii* and 10-16 g *Fructus kochiae*.

21: 2023/05992. 22: 2023/06/06. 43: 2023/11/30
51: A01G

71: Institute of Tropical and Subtropical Cash Crops, Yunnan Academy of Agricultural Sciences

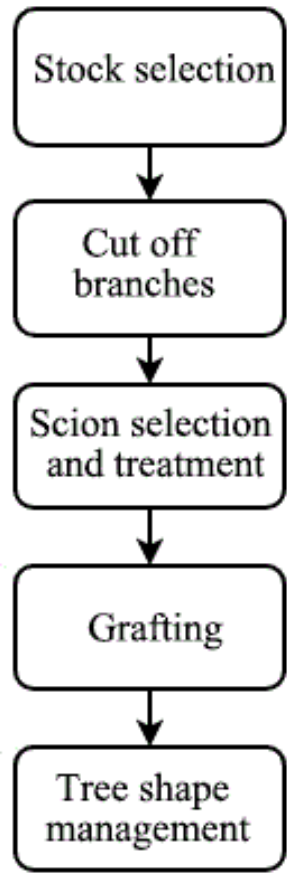
72: Fan Yang, Yuxia Du, Jing Li, Hongxia Yang, Jianmei Dong, Xinpu Lai, Xiaomeng Fu, Hongming Liu

33: CN 31: 202310440426.8 32: 2023-04-23

54: A GRAFTING METHOD FOR HETERO-POLLINATED MACADAMIA NUT VARIETIES WITH RAPID CROWN FORMATION RESULTS

00: -

The invention discloses a grafting method for heterologous pollinated macadamia nut varieties with rapid crown formation results, including stock selection, drying, scion selection and treatment, grafting and tree shape management, etc. By selecting different types of shoot tips for grafting, the main branch with vigorous growth is mainly vegetative growth after grafting, which can rapidly expand the crown and provide the foundation for nutrient requirements of the tree body in the later period. Multiple scion grafting on tertiary shoots and lateral shoots at the same time shortened the process of weakening the shoots from vegetative shoots to fruiting shoots. After high grafting, the shoots in the current year could be aged and weakened, and the shoots could blossom and bear fruit in the second year, achieving one year earlier fruit. Multiple scion grafting in different Spaces and directions can quickly enrich the fruiting branch group of the crown, and ensure high yield while achieving early setting. By allocating appropriate pollinating tree varieties in scions, the main scion varieties and pollinating varieties can be ensured to grow at the same time and grafted on the same tree, thus it can greatly increase the yield of macadamia nuts.



21: 2023/06029. 22: 2023/06/07. 43: 2024/01/10
51: B09B

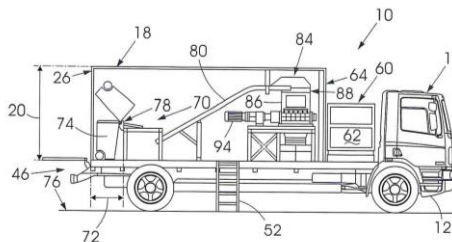
71: BRAND GUARD (PTY) LTD

72: WILLCOCKS, William

54: SHREDDING ARRANGEMENT

00: -

A shredding arrangement which is mounted to a truck and which includes a first conveyor for feeding material to a shredder and a second conveyor for transferring shredded material to a waste collection point.



21: 2023/06031. 22: 2023/06/07. 43: 2024/01/10
51: A61K

71: NORTHEAST AGRICULTURAL UNIVERSITY

72: QU, Qianwei, LI, Yanhua, DONG, ChunLiu, ZHENG, Yadan, LIU, Yanyan

54: APPLICATION OF SANGUINARINE HYDROCHLORIDE IN PREPARING DRUGS FOR INHIBITING STAPHYLOCOCCUS AUREUS INFECTION

00: -

The present invention claims the protection of an application of sanguinarine hydrochloride in preparing drugs for inhibiting Staphylococcus aureus infection. The present invention not only lays a theoretical foundation for developing sanguinarine as an anti-Staphylococcus aureus drug, but also provides a new idea for treating animal infection caused by Staphylococcus aureus.

21: 2023/06032. 22: 2023/06/07. 43: 2024/01/11
51: A61K

71: NORTHEAST AGRICULTURAL UNIVERSITY

72: QU, Qianwei, LI, Yanhua, DONG, ChunLiu, ZHENG, Yadan, ZHANG, Zhiyun, LIU, Yanyan

54: PREPARATION METHOD AND APPLICATION OF LIQUORICE EXTRACT

00: -

The present invention discloses a preparation method for a liquorice extract, specifically including the following step: extracting glabridin and isoliquiritigenin from liquorice using an ultrasonic-assisted two-aqueous phase extraction method, to obtain the liquorice extract. The method lays a foundation for development and clinical application of the liquorice and the glabridin, and further provides a new idea for treating MRSA-induced infection in vivo with traditional Chinese medicines.

21: 2023/06034. 22: 2023/06/07. 43: 2024/01/10
51: A61K

71: NORTHEAST AGRICULTURAL UNIVERSITY

72: QU, Qianwei, LI, Yanhua, LIU, Yanyan, DONG, ChunLiu, ZHANG, Zhiyun, ZHENG, Yadan

54: PREPARATION METHOD AND APPLICATION OF FOLIUM PERILLAE ULTRAFINE POWDER

00: -

The present invention discloses a preparation method for Folium Perillae ultrafine powder, specifically including the following step: conducting ultrafine grinding for Folium Perillae to obtain the Folium Perillae ultrafine powder. The present invention lays a foundation for development and clinical application of the Folium Perillae, and further

provides a new idea for treating ulcerative colitis with traditional Chinese medicines.

21: 2023/06036. 22: 2023/06/07. 43: 2023/12/01
51: A01B

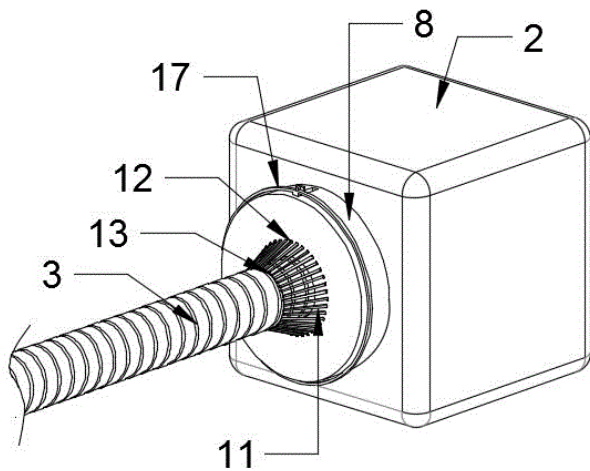
71: Shihezi University

72: Liqiao Li, Zongyu Gao

54: A HEIGHT-ADJUSTABLE LEVELING MACHINE FOR AGRICULTURAL PLANTING

00: -

The invention relates to the technical field of agricultural planting, in particular to a height-adjustable leveling machine for agricultural planting. The invention comprises a frame, the surface of the frame is hinged with a motor through a mounting frame, the surface of the motor is threaded with a screw rod, and the surface of the frame is provided with a cardan shaft assembly, and one end of the cardan shaft assembly is provided with a leveling plate; The surface of the motor is provided with a mounting assembly, the surface of the mounting assembly is sliding connected with a cleaning assembly, and one end of the cleaning assembly is in contact with the surface of the screw rod; Its beneficial effect is that before the screw rod contacts with the motor, the cleaning brush will clean up impurities such as mud on the surface of the screw rod. This can effectively prevent impurities such as mud from affecting the operation of the screw and the motor; The movable ring drives the movable plate to move along the surface of the movable groove through the connecting plate, so that the cleaning brush can move along the surface of the through groove. This can achieve the effect of cleaning the surface of the cleaning brush, which makes the cleaning brush better clean the surface of the screw rod.

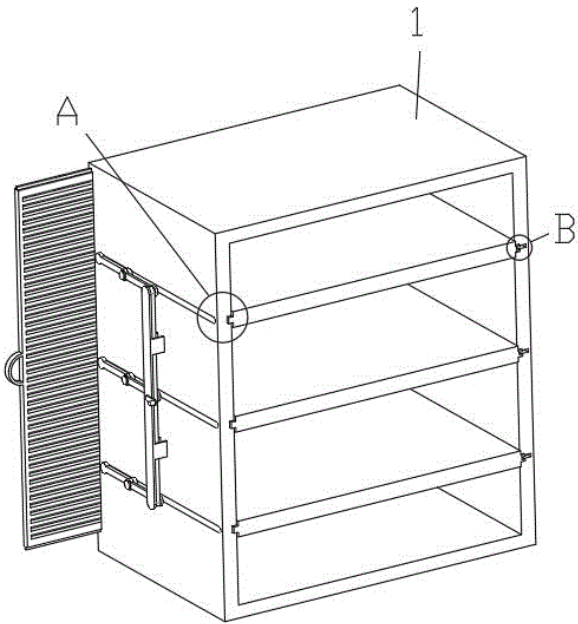


21: 2023/06037. 22: 2023/06/07. 43: 2023/12/01
51: H02J

71: Shihezi University
72: Zongyu Gao, Liqiao Li

54: A POWER DISTRIBUTION CONTROL DEVICE AND A POWER ENERGY SUPPLY SYSTEM

00: -
The invention relates to the technical field of power distribution control, in particular to a power distribution control device and a power energy supply system. The invention comprises: a device body, a surface of one side of the device body is provided with an adjusting groove, a sliding groove is provided on the inner wall of the side of the device body near the adjusting groove, and an adjusting groove is provided on the inner wall of the side of the device body away from the sliding groove; Its beneficial effect is: Rotate the adjusting handle to rotate the adjusting gear in the middle of the driving plate, and coordinate with the transmission gear belt to rotate the adjusting mechanism at both ends in the same direction and rate, so that one end of the driving rod rotates to drive one end of the connecting rod to rotate and adjust the position. The other end of the connecting rod rotates on the outer wall of the first adjusting shaft, while the first adjusting shaft slides in the adjusting groove. In this way, the mounting plate can be slid out of the device body, and the heat dissipation effect of the device body can be improved through the heat dissipation hole. It can be combined with the dust screen cover to prevent dust from entering the interior, and it is easy to disassemble and maintain the components on the mounting plate.



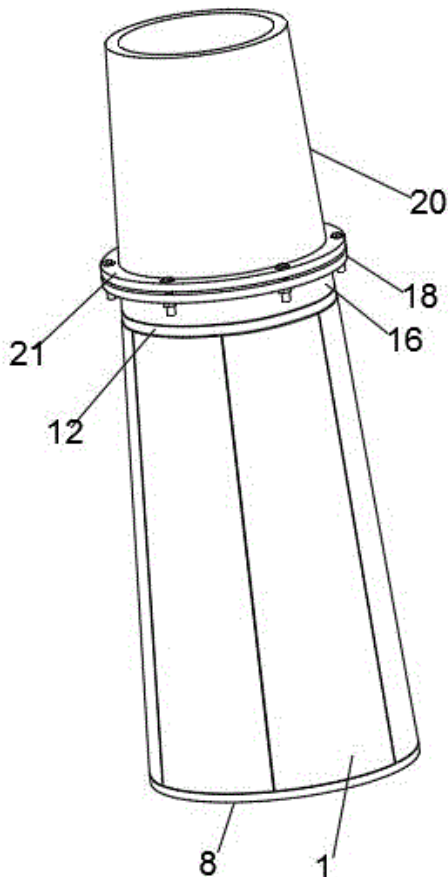
21: 2023/06038. 22: 2023/06/07. 43: 2023/12/01
51: F03D

71: Shihezi University
72: Zongyu Gao, Liqiao Li

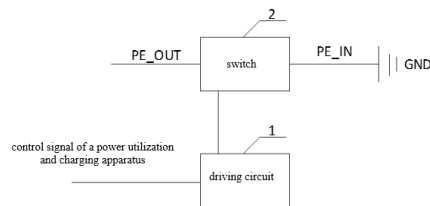
54: A WIND POWER TOWER CYLINDER AND A CLEAN ENERGY POWER GENERATION DEVICE

00: -
The invention relates to the technical field of a power generation device, in particular to a wind power generation tower cylinder and a clean energy power generation device. The tower cylinder block comprises: A tower cylinder block and a steel tower cylinder block, the tower cylinder block is provided with a plurality of blocks, one end of each tower cylinder block is provided with a plug slot on the side wall, the other end of the side wall is fixed with a plug block, a plurality of tower cylinder block plug into an empty tower cylinder, the upper end of the tower cylinder is fixed through the screw rod and nut is fixed with a fixed ring ii, the lower end is fixed with a fixed ring one by bolts; The tower drum composed of the tower drum block is lifted by the tower crane and its lower end is fixed in the tower drum foundation. Finally, the steel tower cylinder is lifted by the tower crane, and the lower end of the steel tower cylinder is inserted into the upper end of the connecting cylinder. Let connecting ring ii and connecting ring i butt together and fix together by long bolts. When the wind power tower is installed, it can facilitate the transportation and installation of the

wind power tower, and it can also improve the efficiency of transportation and installation.



charging apparatus. It can be seen that when the PE line is abnormally connected and a wrong current flows into the PE line, for example a live line or a live conductor is connected to the PE line, a DC error current or an AC error current flows into the PE line, the switch (2) connected to the PE line can cut off the PE line in time, which on one hand avoids the possibility of being electrified of a metal part of the apparatus, prevents electrical shock hazards to a human body, ensures the safety of the whole charging process, and enables the apparatus to be charged safely without risk.



21: 2023/06061. 22: 2023/06/07. 43: 2024/01/10
 51: H02H
 71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
 72: WANG, Chao
 33: CN 31: 202023059783.0 32: 2020-12-17
54: PE LINE PROTECTION SYSTEM FOR POWER UTILIZATION AND CHARGING APPARATUS, AND POWER UTILIZATION AND CHARGING APPARATUS

00: -
 A PE line protection system for a power utilization and charging apparatus, and a power utilization and charging apparatus, the PE line protection system for a power utilization and charging apparatus comprises a driving circuit (1) and a switch (2). The driving circuit (1) is used for controlling the switch (2) to cut off a PE line upon reception of a signal for indicating the abnormal connection of the PE line that is transmitted by the power utilization and

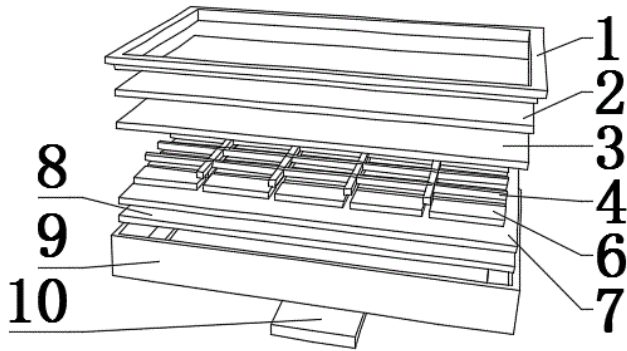
21: 2023/06074. 22: 2023/06/08. 43: 2024/01/10
 51: H01L

71: Hunan Normal University
 72: Luo Yunrong

33: CN 31: 2023105717363 32: 2023-05-19

54: A PEROVSKITE SOLAR CELLS BASED ON BARIUM TITANATE AND ITS PREPARATION METHOD

00: -
 The present invention provides a perovskite solar cells based on barium titanate and its preparation method, relating to the technical field of solar panels. A perovskite solar cells based on barium titanate and its preparation method, comprising a second aluminium alloy frame, said second aluminium alloy frame having a backsheet fixedly attached to the inner bottom of said second aluminium alloy frame, said second encapsulated adhesive film EVA having a uniform distribution of solar cells on top. By introducing a perovskite absorption layer into the solar cells, the cells are provided with an adjustable band gap, high absorption coefficient, low exciton binding energy, high carrier mobility and high defect tolerance.



21: 2023/06075. 22: 2023/06/08. 43: 2024/01/10

51: A01C

71: Nanchang Institute Of Technology

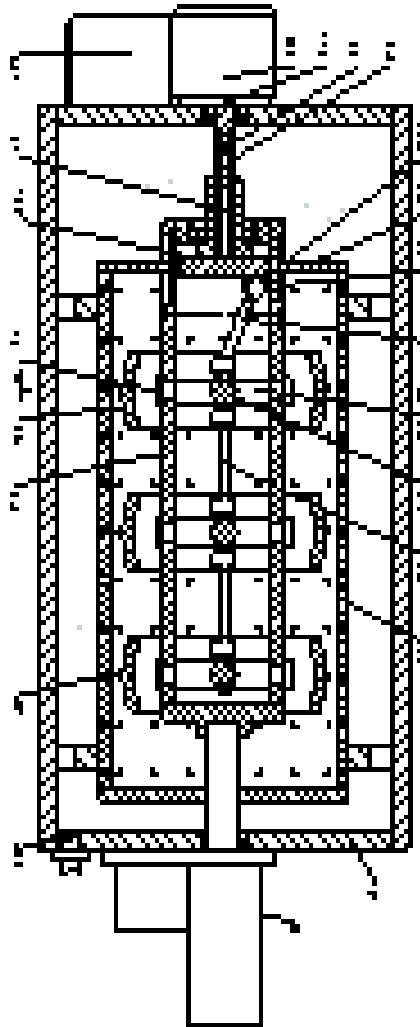
72: Wang Yanbo, Hou Jiexi, Xiao Changlong, Xiao Zufe, Zhang Beihong, Huang Guomin, Wu Chunsheng, Jin Zhinong

33: CN 31: 202211337420X 32: 2022-10-28

54: PEELING DEVICE OF LAURACEAE FRUITS

00: -

The present disclosure discloses a peeling device of Lauraceae fruits, belonging to the technical field of agricultural machinery and equipment. The peeling device of Lauraceae fruits includes a chassis and a peeling cylinder, and also includes: a bracket connected with the peeling cylinder; a plurality of rolling mechanisms, with each including a cross bearing and a compression ring, wherein the compression ring is arranged in the peeling roller and sleeved outside the bracket, the vertical shaft of the cross bearing is connected with the bracket by pivot, and the horizontal shaft of the cross bearing is connected with the compression ring by pivot; a plurality of first connecting shafts, with two ends of each first connecting shaft respectively hinged with the horizontal shafts of two adjacent cross bearings; a turnplate, wherein the turnplate is connected with the bracket by bearing, and is also connected with a power device; a second connecting shaft, with one end hinged at the eccentric position of the turnplate, and the other end hinged with the horizontal shaft of a cross bearing. According to the peeling device of Lauraceae fruits, Cinnamomum camphora fruit is squeezed back and forth, so that the outer peel of Cinnamomum camphora fruit can be separated from the fruit kernel, thereby completing the peeling operation of Cinnamomum camphora fruit.



21: 2023/06089. 22: 2023/06/08. 43: 2024/01/11

51: A61K; C07K; A61P

71: NHC Key Laboratory of Systems Biology of Pathogens, Institute of Pathogen Biology, Chinese Academy of Medical Sciences and Peking Union Medical College, Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences
72: Cui Sheng, Zheng Haixue, Zhang Chu, Yang Fan, Gao Xiaopan, Zhang Wei, Qin Bo, Cao Weijun, Zheng Min

33: WO 31: PCT/CN2022/098719 32: 2022-06-14

54: FOOT-AND-MOUTH DISEASE VIRUS

POLYPEPTIDE INHIBITOR AND USE THEREOF

00: -

The present invention provides a foot-and-mouth disease virus polypeptide inhibitor and use thereof, the amino acid sequence of the polypeptide for the inhibition or prevention of foot-and-mouth disease virus is shown in the 12th-25th position of the sequence 1. The polypeptide is specifically effective in inhibiting FMDV replication in cells and is able to

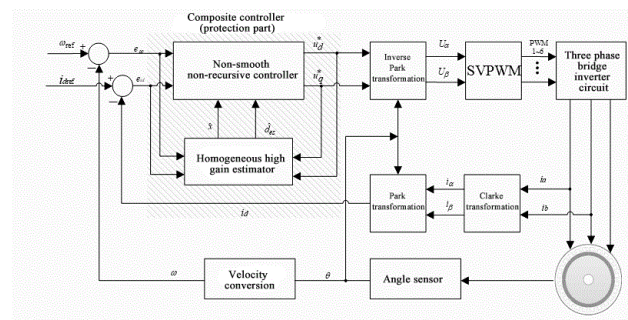
inhibit FMDV-induced lesions in PK-15 cells, and the degree of lesion inhibition is positively correlated with the concentration of the polypeptide.

21: 2023/06121. 22: 2023/06/09. 43: 2023/12/01
51: H02P

71: Shanghai Polytechnic University
72: Hao Hao, Huanyu Liu, Yanghua He, Wenjie Wang, Huidan Lin, Yujie Qin
33: CN 31: 202310375301.1 32: 2023-04-10

54: A NONLINEAR DYNAMIC CONTROLLER DESIGN METHOD FOR MANIPULATOR SYSTEM TRAJECTORY TRACKING

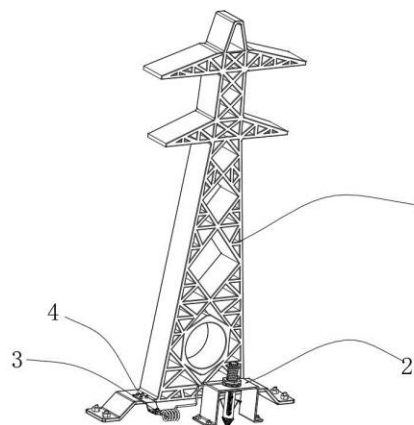
00: -
The invention discloses a nonlinear dynamic controller design method for trajectory tracking of a manipulator system. The manipulator system comprises a manipulator system and a Beckhoff controller, and the manipulator system comprises a motion control unit, a servo drive unit and a mechanical structure unit. The beneficial effect of the invention is that the application is different from the existing controller produced by iterative method, and the controller developed in the invention has simple structure, no excessive control parameters, convenient adjustment and easy development. There are two big differences from the current approach. Firstly, it is designed under the nonlinear control framework, which ensures that the control output can track the desired speed in a short time. The second is the adaptive bandwidth adjustment mechanism, which can derive the most appropriate bandwidth value by calculating the speed deviation through mathematical formula, rather than selecting by experience. This improves the adaptability of the controller and effectively avoids the problem of excessive power consumption.



21: 2023/06122. 22: 2023/06/09. 43: 2023/12/01
51: H01R

71: Shihezi University
72: Zongyu Gao, Liqiao Li
54: A GROUNDING DEVICE FOR POWER SUPPLY AND DISTRIBUTION TOWER

00: -
The invention relates to the technical field of electric power construction, in particular to a grounding device for a power supply and distribution tower. The invention comprises: the main body of the power tower, the main body of the power tower is fixed on the ground through a fixing bolt, and one side of the main body of the power tower is fixed with a mounting plate. The front side of the mounting plate is fixedly connected with a connecting wire; The grounding component is fixedly connected at one end of the connecting wire away from the mounting plate; Its beneficial effects are: the operation process needs only one person to complete, do not require multiple workers to coordinate the installation, the grounding component is equipped with a drill and spiral blade. This simplifies the installation steps of the staff, reduces the workload of the staff, and improves the efficiency of the work. In collaboration with the threaded rod, the movable plate drives the connecting rod one and ii outward until the contact plate is in contact with the soil. At this time, the limit bump will be inserted into the soil, which can increase the stability of the grounding component, avoid the loosening of the grounding component, and affect the electrical connection performance between the main body of power tower and the earth.

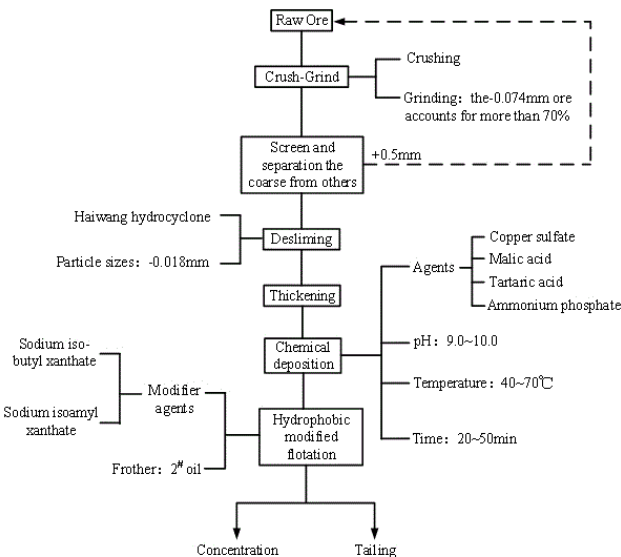


21: 2023/06123. 22: 2023/06/09. 43: 2023/12/01
51: B03D
71: Kunming University of Science and Technology

72: Dianwen Liu, Rong Peng, Peilun Shen, Haoxiang Wang, Jianjun Fang, Jinpeng Cai, Chao Su, Qifang Zheng, Bin Pei, Zhao Xie, Xiaolin Zhang, Hao Lai, Liuyang Dong, Yulong Xiang

54: A KIND OF SILICATE COPPER OXIDE CHEMICAL DEPOSITION-HYDROPHOBIC SURFACE MODIFIED FLOTATION METHOD

00: -
 The invention discloses a kind of silicate copper oxide chemical deposition-hydrophobic surface modified flotation method. The method includes two stages of heating chemical deposition in the early stage and hydrophobic surface modified flotation in the late stage. Firstly, the ore is crushed and ground, and then coarse separation is carried out through the vibrating screener. Qualified particle grade products enter the hydrocyclone in order to remove the mineral mud that effects the follow-up treatment of the pulp. Qualified particle grade pulp is enter the chemical deposition solution configured in the previous stage for heat treatment. After chemical deposition, the treated pulp was cooled to room temperature, that added xanthate to the pulp to modify it surface hydrophobic. In this way, the silicate copper oxide in the pulp can be recovered by flotation effectively. In this process, the silicate copper oxide surface is treated by chemical deposition, forming a copper oxide film on the mineral surface. The silicate copper oxide minerals are wrapped in it, resulting in a substantial increase in the mineral surface and the subsequent copper active sites involved in xanthate hydrophobic modification, and these active sites are stable, so the xanthate adsorption on the mineral surface is also a substantial increase, so that the silicate copper oxide hydrophobic floating. Compared with conventional flotation, this method is simple in operation, strong in adaptability, and it can effectively realize the flotation recovery of silicate copper oxide.



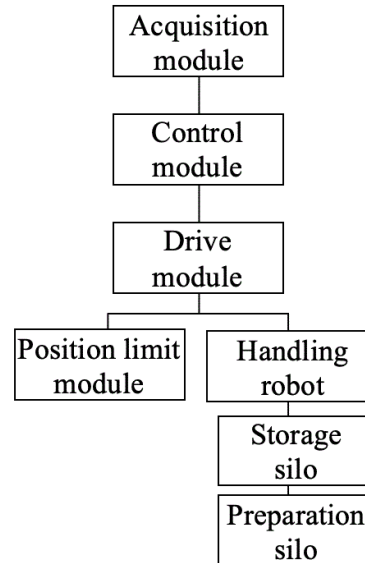
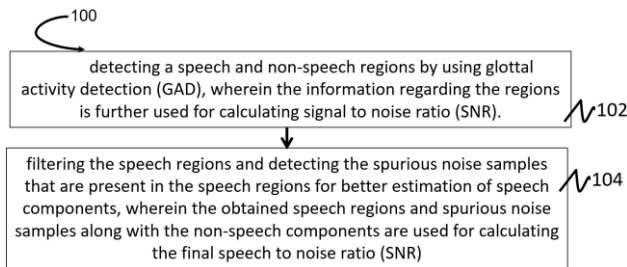
21: 2023/06169. 22: 2023/06/12. 43: 2024/01/11
 51: G06F

71: Rabul Hussain Laskar, Nirupam Shome

72: Rabul Hussain Laskar, Nirupam Shome

54: A METHOD FOR MEASURING THE QUALITY OF SPEECH DATA FOR DIVERSE DATA CONDITIONS

00: -
 The present disclosure relates to a method for measuring the quality of speech data for diverse data conditions. The proposed method is a two-step method, wherein at the first step, the glottal activity detection (GAD) method is used to detect the speech and non-speech regions from the input speech signals, and at the second step, a filter with specified cut-off frequency is used to separate the noise components that are present in the speech activity region. After that, the signal to noise ratio (SNR) is calculated as the ratio of the total energy in the speech activity region to that of the non-speech regions. The proposed technique is compared with existing approaches and the results showed that the proposed method outperforms the existing ones and also found to be computational efficient.



21: 2023/06/170. 22: 2023/06/12. 43: 2023/12/19
51: G06F

71: CHENGDU VOCATIONAL AND TECHNICAL COLLEGE OF INDUSTRY

72: HAN, Yong, ZHOU, Yuanfei, ZHAO, Tao

54: A TYPE OF AUTOMATIC MATERIAL SUPPLEMENT SYSTEM

00: -

The present invention embodies a type of automatic material supplement system that belongs to the technical field of automatic material supplement control. It comprises: Preparation silo, a plurality of mobile storage silos, acquisition module, control module, drive module, position limit module and handling robot; Wherein, the preparation silo provides at least one discharge hole and a corresponding mobile storage silo is placed below the discharge hole; The acquisition modules are arranged on the workbenches of different positions, acquiring the image of the workbench and obtaining the judgement result on whether a material supplement is needed for the corresponding workbench based on the image of the workbench; The control module obtains the material supplement command according to the judgement result of the acquisition module and outputs the command to the discharge hole and drive module; The drive module drives the position limit module and handling robot according to the material supplement command, transporting the material stored in the storage silo to the workbench of the corresponding position. The present invention is able to achieve the required material supplement efficiency while saving the production costs and accurately controlling the material supplement.

21: 2023/06/175. 22: 2023/06/12. 43: 2023/12/07
51: A01G

71: Shihezi University

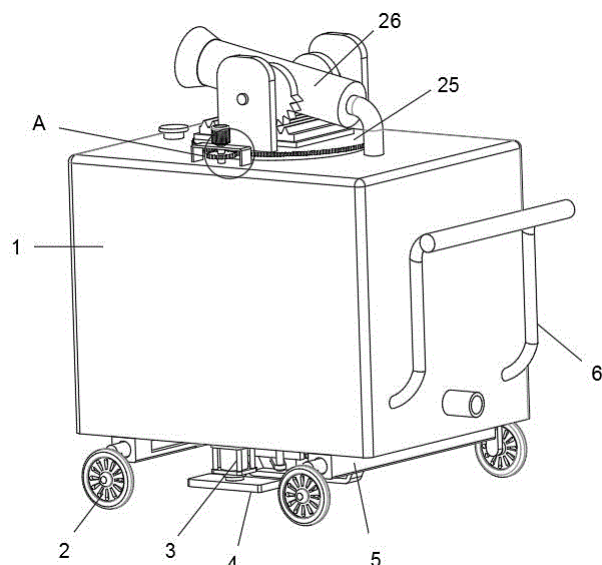
72: Liqiao Li, Zongyu Gao

54: A FARMLAND IRRIGATION DEVICE AND A THROTTLING IRRIGATION SYSTEM

00: -

The invention relates to the technical field of agricultural irrigation equipment, in particular to a farmland irrigation device and a throttling irrigation system. The invention comprises: an irrigation box, a rotating shaft and a supporting plate, the irrigation box is connected with a supporting frame, the rotating shaft side is provided with a rotating gear disk, a connecting plate and a connecting rod, the supporting plate is connected with an electric telescopic rod, rack and a baffle; Its beneficial effect is: It can control the hydraulic cylinder to drive the roof and ground contact to make the walking wheel suspended, and then start the electric telescopic rod to drive the rack to move. The rotating shaft drives the rotating gear plate and the connecting plate to rotate, and then makes the two connecting rods move synchronously in the opposite or similar direction through the movable plate. In this way, the distance between the walking wheels can be adjusted by the telescopic rod, and the moving end of the hydraulic cylinder can be shrunk to make the walking wheel contact with the ground, and the irrigation tank can walk normally. Thus, through the above operation, it can complete the adjustment of the distance between the walking wheels, which can

increase the applicability of the device and expand the scope of use.



21: 2023/06204. 22: 2023/06/13. 43: 2023/12/07
51: A01G

71: SHANXI AGRICULTURAL UNIVERSITY HIGH
LATITUDE CROPS INSTITUTE

72: Yue Xinli, Li Xiaoyu, Wang Yuchao, Zhang Zhi,
Feng Jing

33: CN 31: 2023105806494 32: 2023-05-23

**54: HIGH-YIELD CULTIVATION METHOD OF
HEMEROCALLIS CITRINA BARONI**

00: -

The invention provides a high-yield cultivation method of *Hemerocallis citrina* Baroni, which comprises the following steps: Step 1, increasing soil fertility; Step 2, soaking seeds to accelerate germination; Step 3, fertilizing; Step 4, spraying foliar fertilizer; Step 5, pest control. The method can greatly improve the yield of *Hemerocallis citrina* Baroni, and is suitable for most *Hemerocallis citrina* Baroni varieties; the method has the advantages of short period, quick response and time saving; the method has the advantages of simple and efficient operation, simple realization conditions, biological control of pests and diseases, safety, environmental protection, no pesticide residue and friendliness to people and animals; and the treatment cost of the method is extremely low.

21: 2023/06205. 22: 2023/06/13. 43: 2023/12/07
51: A01C

71: Shandong Academy of Agricultural Sciences
72: Shi Ning, Li Yan, Zhong Ziwen, Sun Zeqiang, Liu Shenglin

33: CN 31: 2022109411526 32: 2022-08-08

**54: METHOD FOR REDUCING PHOSPHORUS
LEACHING IN GREENHOUSE VEGETABLE
PRODUCTION SYSTEM BY INPUTTING ORGANIC
MATERIALS**

00: -

The invention discloses a method for reducing phosphorus leaching in greenhouse vegetable production system by inputting organic materials. The input of high-carbon organic materials improves the soil pH, and improves the soil C:P ratio in a soil layer of 0-20cm at the seedling stage and the full fruit stage of greenhouse vegetables. However, the peak values of MBP(Microbial biomass phosphorus) and MBC(Microbial biomass carbon) are in the full fruit stage and the harvest stage, respectively, which indicates that soil microorganisms respond obviously to the input of high-carbon organic materials and play a key role in the turnover and utilization of soil phosphorus nutrients in different periods. After MR (Mushroom residue) is applied, the soil phosphorus content is the highest among all treatments, which is 334 mg·kg⁻¹ (40% higher than the average) at the soil layer of 0-20 cm and 192 mg·kg⁻¹ (45% higher than the average) at the soil layer of 20-40 cm, which are significantly higher than other treatments. The phosphorus accumulation rate of MR treatment is 27% at the soil layer of 0-20cm and 6% at the soil layer of 20-40 cm. Other treatments of soil P show obvious downward migration in the soil layer above 60 cm. MR application is beneficial to alleviate the downward migration of phosphorus in the soil profile in the greenhouse vegetable production system with high phosphorus soil facilities, and can reduce the risk of phosphorus leaching in phosphorus-rich soil.

21: 2023/06206. 22: 2023/06/13. 43: 2023/12/07
51: C05G

71: SHANXI AGRICULTURAL UNIVERSITY HIGH
LATITUDE CROPS INSTITUTE

72: Wang Hui, Ma Tao, Meng Lu, Wang Li, Zhan Runsheng

33: CN 31: 2023105806507 32: 2023-05-23

**54: FERTILIZER FOR INCREASING YIELD OF
HEMEROCALLIS CITRINA BARONI AND
PREPARATION METHOD THEREOF**

00: -

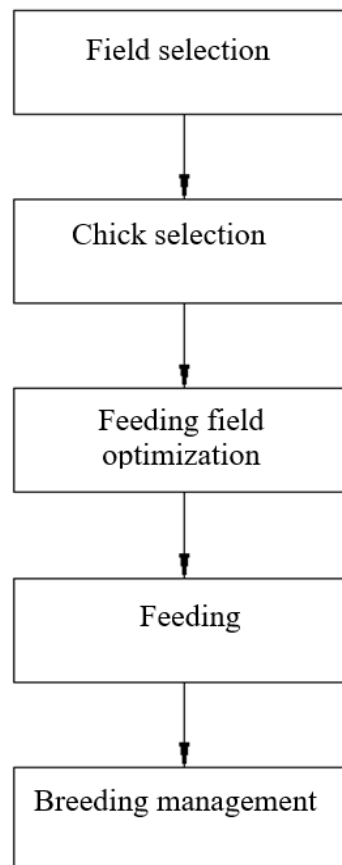
The invention provides a fertilizer for increasing yield of *Hemerocallis citrina* Baroni and a preparation method thereof, which comprises the following components: 25-35 parts of nitrogen fertilizer, 15-35 parts of phosphate fertilizer, 20-30 parts of potash fertilizer, 5-10 parts of borax, 35-50 parts of poultry manure, 30-45 parts of fish pond mud, 3-5 parts of cyanobacteria and 4-8 parts of lactobacillus powder, 2-6 parts of *Beauveria bassiana* powder, 5-15 parts of sodium silicate, 15-25 parts of glucose powder and 10-20 parts of multivitamin. The preparation method is as follows: Step 1, mixing and fermenting poultry manure, fish pond mud and lactobacillus powder; Step 2, putting the fermented product in Step 1 into a dryer for drying; Step 3, putting the dried product and other raw materials into a pulverizer to be pulverized to obtain mixed powder, and the mixed powder is sieved; Step 4, putting the sieved mixed powder into granulation equipment for granulation. The method is compounded by a variety of bacterial powder, organic matter and inorganic matter, and has reasonable composition, which ensures that *Hemerocallis citrina* Baroni does not lack fertilizer during the whole growth period and does not need subsequent topdressing, thus saving the labor cost.

21: 2023/06210. 22: 2023/06/13. 43: 2024/01/11
 51: A01K; A23K
 71: INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES
 72: LI, Manyu

54: METHOD FOR FEEDING FREE-RANGE LOCAL CHICKENS WITHOUT ANTIBIOTICS

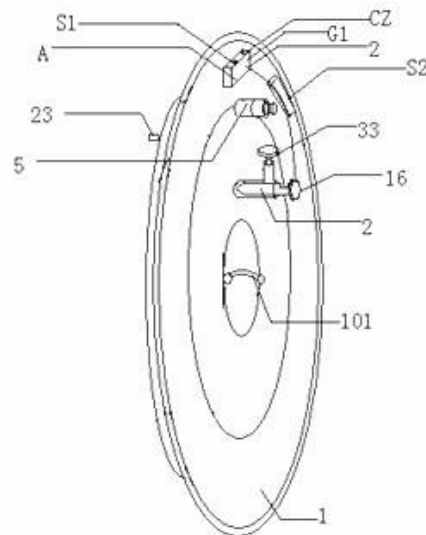
00: -
 The present invention belongs to the technical field of poultry breeding, and particularly relates to a method for feeding free-range local chickens without antibiotics. The method for feeding the free-range local chickens without the antibiotics specifically includes the following steps: step 1, field selection: selecting a relatively gentle and tree-growing mountain forest, and enabling the free-range local chickens continuously walk to make meat tight and fat inside bodies become less; in the whole breeding process, making the free-range local chickens eat more natural vegetables and rice rather than antibiotics, hormones and other drugs; and in the

feeding process of feeds, adding astaxanthin and lutein to the feeds, wherein after the astaxanthin and the lutein are absorbed by chicken groups, in the later eating process, directly eating chicken or eggs may be conducive to human health, protect eyesight, and exert an anti-cancer effect.



21: 2023/06235. 22: 2023/06/14. 43: 2023/12/12
 51: C11D
 71: Research Institute of Non-timber Forestry, Chinese Academy of Forestry
 72: DU, Lanying, LIU, Panfeng, DU, Qingxin, WANG, Lu, WANG, Yan, SUN, Zhiqiang, DU, Hongyan
54: EUCOMMIA ULMOIDES OIL SOAP AND PREPARATION METHOD THEREOF
 00: -
 The present invention discloses a *Eucommia ulmoides* oil soap and a preparation method thereof. The *Eucommia ulmoides* oil soap includes the following preparation ingredients in parts by mass: 40-55 parts of *Eucommia ulmoides* oil, 5-10 parts of olive oil, 5-10 parts of palm oil, 1-5 parts of coconut oil, 1-5 parts of milk, 2-5 parts of essential oil, 5-15 parts of sodium hydroxide, and 20-30 parts of

deionized water. According to the *Eucommia ulmoides* oil soap of the present invention, the pure natural vegetable oils are used, so the soap has high nutritional value and health care value, and can moisturize and beautify the skin. The essential oil and the milk are used as additives, no chemical additive is contained, so the soap is mild and non-irritating, easy to absorb, can deeply clean the skin, control oil, remove freckles, whiten and rejuvenate the skin.

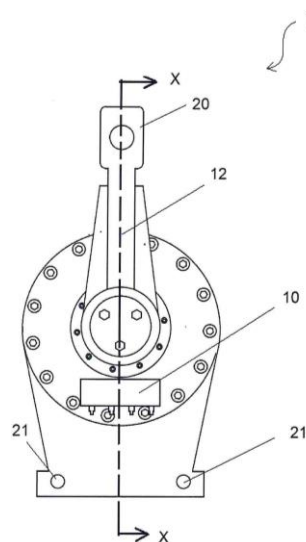


21: 2023/06236. 22: 2023/06/14. 43: 2024/01/11
 51: F41H
 71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
 72: DUAN, Zhizhuang, HUANG, Ruiyang, HUANG, Yuyun, LIN, Guchong, CAI, Wanfeng
 33: CN 31: 2022117440060 32: 2022-12-30
54: MULTIFUNCTIONAL POLICE SHIELD
 00: -

A multifunctional police shield comprises a shield body, storage battery, charging socket, power switch and high voltage generating device, and further comprises a lachrymator emitting mechanism and tapered mechanism. The storage battery, charging socket, high voltage generating device and power switch are installed in an element box; the tapered mechanism comprises a thorn cone, guide tube and limiting device; the front end of the guide tube is installed on the upper end of the shield body; the thorn cone is movably sleeved in the guide tube; the limiting device is installed at the rear end of the guide tube; the lachrymator emitting mechanism comprises an emitting tube and lachrymator devices; comprising a liquid tube, gunpowder and an excitation device; the excitation device is installed in the rear end of the liquid tube; the front end of the emitting tube is installed on the upper end of the shield body.

21: 2023/06239. 22: 2023/06/14. 43: 2024/01/11
 51: E02F; E21C
 71: MINETEC S.A.
 72: VERA TORRES, Bernardo Luis, ZAMORANO JONES, Claudio Devon, ZALDÍVAR ESPINOZA, Cristian Francisco
 33: CL 31: 202201620 32: 2022-06-15
54: SNUBBER FOR EXCAVATOR BUCKET DOOR
 00: -

A snubber for an excavator bucket door that permanently controls deformation due to the effect of working pressures during operation, improving braking performance.



21: 2023/06241. 22: 2023/06/14. 43: 2023/12/19

51: A01K

71: THE INSTITUTE OF PLANT PROTECTION, HAINAN ACADEMY OF AGRICULTURAL SCIENCES (RESEARCH CENTER OF QUALITY SAFETY AND STANDARDS FOR AGRICULTURAL PRODUCTS OF HAINAN ACADEMY OF AGRICULTURAL SCIENCES)

72: Xuncong JI, Haiyan CHEN, Shuang QIN, Zhufeng LIN, Jingjing JIA, Weikang HUANG, Luchao WANG

54: ARTIFICIAL BREEDING METHOD FOR CHELONUS FORMOSANUS SONAN

00: -

The present disclosure discloses an artificial breeding method for *Chelonus formosanus* Sonan, comprising the following steps: A1. Constructing a breeding box; A2. Acquisition of bee species; A3. Bee incubation method; A4. Bee rejuvenation; A5. Host rejuvenation; through indoor breeding of *Prodenia litura* (Fabricius) as host for incubation of *Chelonus formosanus* Sonan, and artificial regulation of temperature and humidity, adult stages of the two are consistent. The egg of *Prodenia litura* (Fabricius) is used to parasitize the *Chelonus formosanus* Sonan to breed the *Chelonus formosanus* Sonan, comprising the rejuvenation and conservation techniques of the species and host population. The ultimate goal is to artificially produce a large number of parasitic natural enemies, the *Chelonus formosanus* Sonan, and then release them in the field during the oviposition period of the target pest, increasing the parasitic rate of the target pest in the field, controlling its population occurrence, reducing the degree of damage to crops, reducing the use of chemical pesticides, improving the yield and quality of agricultural products, and protecting people's life safety and ecological environment safety.

21: 2023/06281. 22: 2023/06/15. 43: 2024/01/15

51: A01B; A01G

71: XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES

72: CHEN, Yapeng, PAN, Tingting, ZHU, Chenggang, CHEN, Yaning

54: WATER-SOIL CONSERVATION TILLAGE METHOD FOR PREVENTING AND CONTROLLING SOIL EROSION OF GENTLE SLOPE FARMLAND

00: -

The present invention discloses a water-soil conservation tillage method for preventing and controlling soil erosion of a gentle slope farmland, which belongs to the technical field of water-soil conservation tillage. A process comprises: planting soybeans on a slope contour; planting oil sunflowers at a vertical contour position; and timely performing field management of the soybeans and the oil sunflowers. Based on that the soybeans have the characteristics of enhancing a fractal dimension of soil aggregates and forming a root-soil complex to fix soil, the present invention effectively prevents and controls occurrence of problems of soil erosion, slope sand production and soil loss; and continuous cropping of the oil sunflowers and the soybeans can make rational use of natural resources and increase income.

21: 2023/06283. 22: 2023/06/15. 43: 2024/01/15

51: G06F

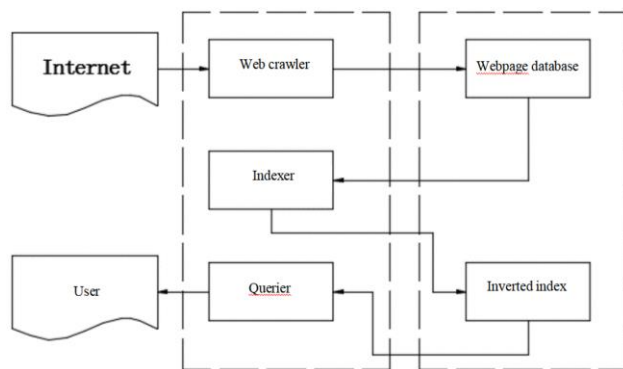
71: Xinyu University

72: Liu Xiaohu

54: UNIVERSITY BOOK MANAGEMENT SYSTEM BASED ON DISTRIBUTED WEB CRAWLER

00: -

The invention provides a university book management system based on distributed web crawler, and relates to the technical field of teaching management system. The university book management system based on distributed web crawler includes a network database; the digital library is used for storing digital resources of books, and the archival database is used for storing archival data; the upper layer of the network database is connected with a network crawler, and the network crawler is used for crawling the resources of the digital library and archival database in the network database. By using the multi-thread running mode of the web crawler, the efficiency of the network processing and data acquisition can be improved.



21: 2023/06286. 22: 2023/06/15. 43: 2024/01/15
 51: E21C; E21D
 71: DDT MECHANISED MINING SERVICES (PTY) LTD

72: VAN NIEKERK, Dennis
54: ROCK DRILL SUPPORT

00: -
 A rock drill support according to the parent patent ZA2022/00317, wherein the support structure comprises a first section which includes a first sleeve which in use surrounds the elongate body, a second section which includes a second sleeve which in use surrounds the elongate body, a bar which extends from the first sleeve which is configured to receive a beam on which in use the rock drill is mounted, and a stop member which is mountable to the bar and which is configured in use to allow pivotal movement of the beam about the second axis between a first stop position and a second stop position.

21: 2023/06315. 22: 2023/06/19. 43: 2024/01/09
 51: A23C
 71: Inner Mongolia Agricultural University
 72: HUASAI, Simujide, CHEN, Aorigele, WANG, Chunjie, CHEN, Hao, SAHIRAD, Anger
 33: CN 31: 2023103916860 32: 2023-04-12

54: MONGOLIAN FLAVORED YOGURT AND PREPARATION METHOD THEREFOR

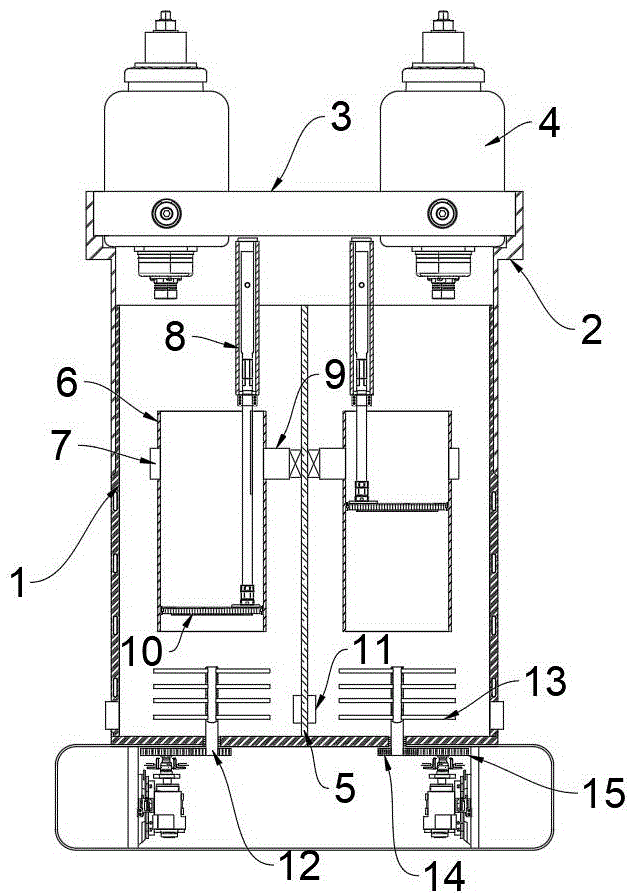
00: -
 The present invention provides Mongolian flavored yogurt. The Mongolian flavored yogurt includes 50-70 parts of milk, 4-6 parts of stir-fired millet, 4-8 parts of light cream, 5-15 parts of white granulated sugar, 2-4 parts of probiotics and 1-2 parts of stabilizer. The yogurt takes the milk, the stir-fired millet, the light cream, the white granulated sugar, the probiotics and the stabilizer as raw materials, the stir-fired millet is rich in protein, fat, starch, dietary fiber, minerals, vitamins and other nutrients, which

enriches nutritional components in the yogurt, the stir-fired millet with strong millet flavor and the cream are added into the yogurt to improve taste of the yogurt, and the yogurt is smooth and non-grainy, rich in millet flavor and milk flavor, and has strong stability. The yogurt prepared by the present invention is non-grainy and smooth, and a preparation method is simple and feasible.

21: 2023/06316. 22: 2023/06/19. 43: 2024/01/09
 51: B01F
 71: Zibo Luray Fine Chemicals Co.,Ltd
 72: Wang Aide, Cui Jinde, Zhang Linhan, Liang Lili
 33: CN 31: 202310253241.6 32: 2023-03-16

54: A REFINING AGENT MIXING TANK FOR TEXTILES

00: -
 The invention discloses a textile refining agent mixing tank, which relates to the technical field of refining agent mixing and comprises a tank body, a partition plate, a lower through pipe fitting, a rotating rod and a shifting rod, wherein the partition plate is fixed in the middle of the tank body and used for dividing the tank body into a first mixing space and a second mixing space, the lower through pipe fitting capable of communicating the first mixing space with the second mixing space is fixed at the bottom of the partition plate, the upper through pipe fitting capable of communicating the first mixing space with the second mixing space is fixed at the top of the partition plate, the rotating rods are rotatably arranged in the first mixing space and the second mixing space, the rotating rods are of a hollow structure with notches, and a plurality of hollow shifting rods are radially and fixedly communicated with the rotating rods.

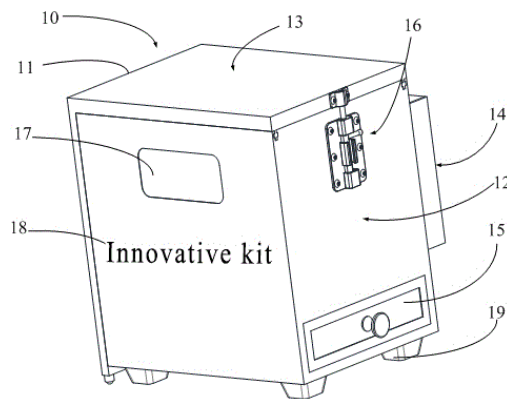


21: 2023/06317. 22: 2023/06/19. 43: 2024/01/09
 51: G01N
 71: Min Zhao
 72: Min Zhao

54: A PORTABLE KIT FOR FOOD TESTING

00: -
 The invention relates to the technical field of detection kit, in particular to a portable kit for food detection. The kit body comprises a displacement platform component arranged on the upper part of the kit body. The test tube buffer component is arranged inside the kit body, a collecting bin is arranged at the rear, an ice storage cabin is arranged at the lower part, and an observation window and a locking mechanism are arranged respectively on the outer surface. The displacement platform component can provide a detection platform during the sampling process, which does not affect the normal use of the kit. The test tube buffer component is equipped with a sponge plate and support spring in case of bumps or collisions during the kit transport. The sponge plate can prevent the reagent tube from tilting, and the support spring can

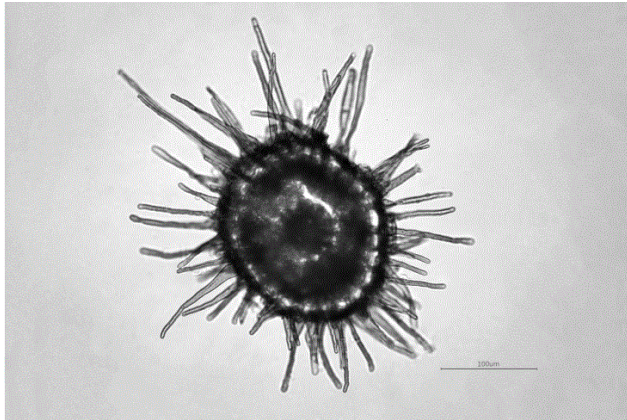
cushion the shock by shrinking, reducing the impact of shock on the reagent tube. The invention not only provides a detection platform, but also solves the problems that the kit cannot absorb shock when carried, poor protection and the kit cannot provide a low temperature environment for the reagent tube. Its functionality is better, and it also improves the stability of storage.



21: 2023/06318. 22: 2023/06/19. 43: 2024/01/09
 51: A01G
 71: Henan University of Urban Construction
 72: HU Hui, LIU Biao, ZHANG Zhiyuan, WU Junfeng, ZHANG Tingting, YANG Yu, SANG Yupeng, ZHOU Changrui

54: METHOD FOR MEASURING MORPHOLOGY AND DENSITY OF PLANT ROOT HAIR

00: -
 The invention belongs to the technical field of plant microscopy, and relates to a method for measuring morphology and density of plant root hair. After digging the root system, it was cleaned, and the first-order root segment of the root system was preserved with FAA stationary liquid, so that the root structure and root hair were well preserved within 2 years, avoiding the limitation of the short life of root hair on research. The method for measuring the root hair morphology and the method for measuring the root hair density of the invention simplify the research steps of the root hair morphology and obtain the root hair density index, which is not limited by plant species and research areas and is convenient for popularization and application.



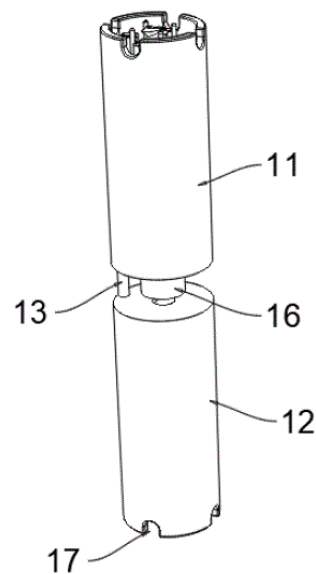
21: 2023/06319. 22: 2023/06/19. 43: 2024/01/09
 51: A01G
 71: Citrus Research Institute of Zhejiang Province
 72: HUANG Xiu, KE Fuzhi, NIE Zhenpeng, SUN Lifang, WANG Luoyun, XU Jianguo
54: METHOD FOR IMPROVING CULTIVATION EFFICIENCY OF CITRUS HYBRID SEEDLINGS IN GROWTH STAGE

00: -
 The present invention discloses a method for improving cultivation efficiency of citrus hybrid seedlings in growth stage, belonging to the field of agricultural technology. By spraying a suitable concentration of paclobutrazol solution on the rootstock of citrus hybrid seedlings that have survived grafting, the growth of lateral branches on the rootstock is inhibited, and excessive growth of lateral branches on the rootstock is prevented from affecting the growth of grafted seedlings on the scion. At the same time, the reduction of the number of lateral branches eliminates the need for frequent manual removal of lateral branches, reduces the difficulty of cultivation, and saves manpower and financial resources. The growth stage cultivation method provided by the present invention can ensure the healthy and rapid growth of citrus hybrid seedlings, avoid poor growth or death caused by improper growth stage cultivation methods, and is conducive to accelerating the breeding process of new citrus varieties. It is an economic and effective growth stage cultivation method with good promotion and application prospects.

21: 2023/06320. 22: 2023/06/19. 43: 2024/01/09
 51: G09B
 71: Lanzhou University of Technology
 72: Hua CHENG

33: CN 31: 2023105629714 32: 2023-05-18
54: LIFTABLE MUSIC READING BOARD
 00: -

The present invention relates to the field of music reading boards, and in particular to a liftable music reading board. The liftable music reading board includes a support assembly, a first travel assembly and a second travel assembly, wherein the support assembly includes a first support cylinder and a second support cylinder, the first travel assembly and the second travel assembly are slidably connected inside the first support cylinder and the second support cylinder respectively, the adjacent ends of the first support cylinder and the second support cylinder are fixedly connected through a connecting rod, and a two-way lead screw is rotationally inserted between the first support cylinder and the second support cylinder; each of the first travel assembly and the second travel assembly includes a travel slider, and the travel slider is arranged around the wall of the two-way lead screw through threads. The first travel assembly and the second travel assembly can be supported by the support assembly arranged; the first travel assembly and the second travel assembly can be retracted and folded into the support assembly in an initial state, so that the music reading board is small and easy to carry when no music book is supported.

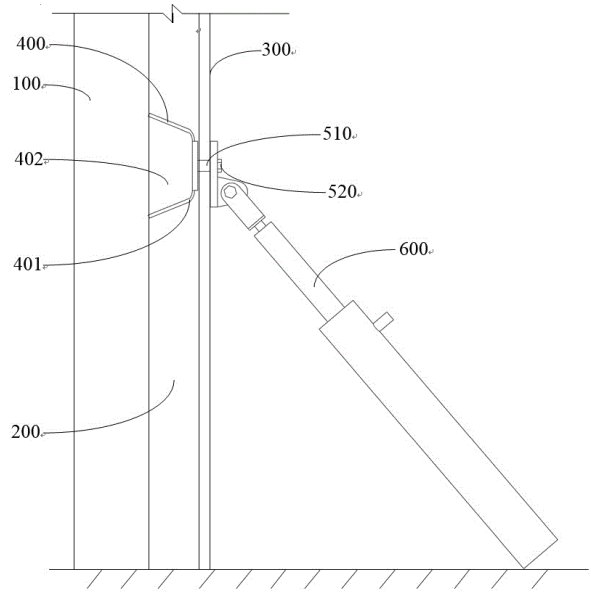


21: 2023/06321. 22: 2023/06/19. 43: 2024/01/09
 51: E04C

71: CHINA RAILWAY CONSTRUCTION 20TH GROUP MUNICIPAL ENGINEERING Co.,LTD.
 72: REN Meng, DONG Penggang, WANG Junrong, TANG Wenbo, OU Ying, YANG Renyi, WANG Shengqian, YAN Kedou, ZHAO Gang

54: ANTI-LOOSENING REINFORCEMENT STRUCTURE OF PREFABRICATED EXTERNAL WALLBOARD

00: -
 The invention discloses an anti-loosening reinforcement structure of prefabricated external wallboard, which comprises a prefabricated wall, a reinforcing cage framework and a casting template, where the reinforcing cage framework is externally hung on one side of the prefabricated wall, and the casting template is erected on one side of the reinforcing cage framework. An anti-loosening reinforcement structure of prefabricated external wallboard comprises an embedded component, where the embedded component bulges relative to the prefabricated wall to form a protruding part; a telescopic component, one end of which is connected with the protruding part, and the other end of which can rotate around the protruding part. According to the invention, the telescopic component is connected with the prefabricated wall by using the embedded component, and because the embedded component is formed with the protruding part, the compressive strength of the embedded component is improved, the position of the telescopic component is prevented from changing due to the deformation of the embedded component, and the connection stability between the telescopic component and the prefabricated wall is improved, so that the supporting strength of the telescopic component to the prefabricated wall is improved.



21: 2023/06322. 22: 2023/06/19. 43: 2024/01/09

51: A01C

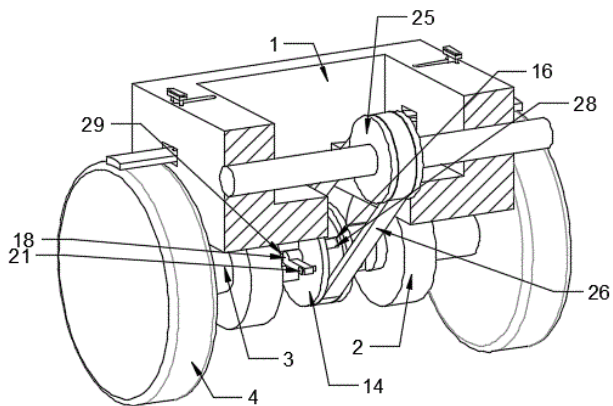
71: Shihezi University

72: Liqiao Li, Zongyu Gao

54: A FERTILIZATION DEVICE FOR AGRICULTURAL PLANTING AND A FERTILIZATION METHOD

00: -
 The invention relates to the technical field of agricultural planting, in particular to a fertilization device for agricultural planting. The invention comprises: a car body, the bottom of the car body is arranged with a rotating shaft, the surface of the rotating shaft is arranged with a wheel, the surface of the car body sliding connected with a cleaning component, cleaning components to clean the wheel; The surface of the rotating shaft is provided with a movable synchronous wheel. The surface sleeve of the movable synchronous wheel is provided with a synchronous belt, and the surface rotation of the movable synchronous wheel is connected with an auxiliary component, and the auxiliary component plays a tensioning role for the synchronous belt; Its beneficial effects are: during the process of wheel walking, the cleaning plate can clean up the mud on the surface of the wheel; When the synchronous belt is loose, the plug rod is moved to make it no longer limit the whole of the integrated plate, and the whole of the integrated plate can be rotated to make the rotating plate contact with the top-holding block. The top-holding block can be held when the rotating plate is in contact with the top-

holding block. The top-holding block can be in contact with the surface of the synchronous belt. Then the top-holding of the synchronous belt can be completed and the tensioning of the synchronous belt synchronous belt can be completed.



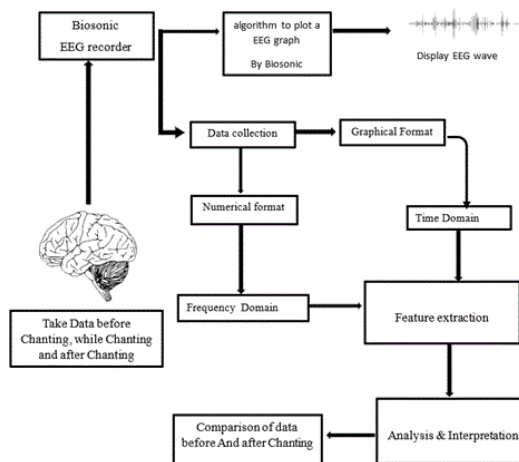
21: 2023/06323. 22: 2023/06/19. 43: 2024/01/09
51: A61B

71: Archana Bajirao Kanwade, Dr. Shridevi Sukhadeo Vasekar, Dr. D S Bhangari, Dr. Sharad Tukaram Jadhav, Vinayak Bairagi

72: Archana Bajirao Kanwade, Dr. Shridevi Sukhadeo Vasekar, Dr. D S Bhangari, Dr. Sharad Tukaram Jadhav, Vinayak Bairagi

54: SYSTEM AND METHOD FOR COLLECTING AND ANALYSING ELECTROENCEPHALOGRAM (EEG) SPECTRALS FOR OM MANTRA MEDITATION AND APPLICATION THEREOF

00: -
SYSTEM AND METHOD FOR COLLECTING AND ANALYSING ELECTROENCEPHALOGRAM (EEG) SPECTRALS ON OM MANTRA MEDITATION AND APPLICATION THEREOF. The present invention relates to system and method for electroencephalogram (EEG) spectral analysis on om mantra meditation and application thereof.

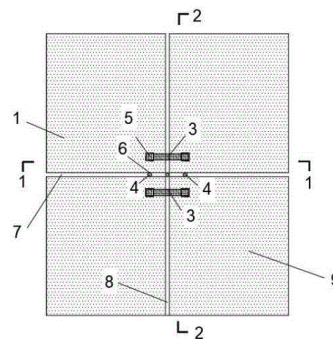


21: 2023/06324. 22: 2023/06/19. 43: 2024/01/09
51: E01D

71: Fuzhou University
72: YUAN, Yan, QUE, Yun, XU, Song, ZHANG, Canlin, CHEN, Hongyu

54: METHOD AND DEVICE FOR STRENGTHENING LOAD TRANSFER OF CORNER JOINT OF OLD PAVEMENT SLAB SUITABLE FOR CEMENT PAVEMENT ADDITIONALLY PAVED WITH ASPHALT OVERLAY

00: -
The present invention belongs to technical field of concrete pavement strengthening. Disclosed are a method and device for strengthening load transfer of a corner joint of a cement concrete pavement slab. According to the present invention, it is only required to form square grooves and holes at a joint, and then to drive saddle shaped steel bars and steel screws into the square grooves and the holes, respectively, leading to a low workload, convenient operation, and rapid construction.



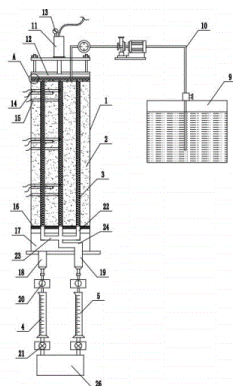
21: 2023/06325. 22: 2023/06/19. 43: 2024/01/09
51: G01N

71: Fuzhou University
 72: QUE, Yun, CAI, Songlin, CHEN, Xianyong, QIU, Yonghui

54: APPARATUS FOR SIMULATING SOLUTE EXCHANGE BETWEEN SOIL MACROPORE AND MATRIX DOMAINS

00: -

The present invention discloses an apparatus for simulating a solute exchange between soil macropore and matrix domains and relates to the field of a soil test. The apparatus includes a transparent cylinder. A matrix domain is arranged in the cylinder, and a pore domain is arranged in the matrix domain. A water distributor is located above the matrix domain, a pressure plate is arranged on the water distributor, and the cylinder is provided with multiple sets of monitoring mechanisms. The apparatus has a simple structure and can simulate the non uniform infiltration process of solutes in various macropore soil.



21: 2023/06326. 22: 2023/06/19. 43: 2024/01/09
 51: G06Q

71: Institute Of Geographic Sciences And Natural Resources Research, CAS

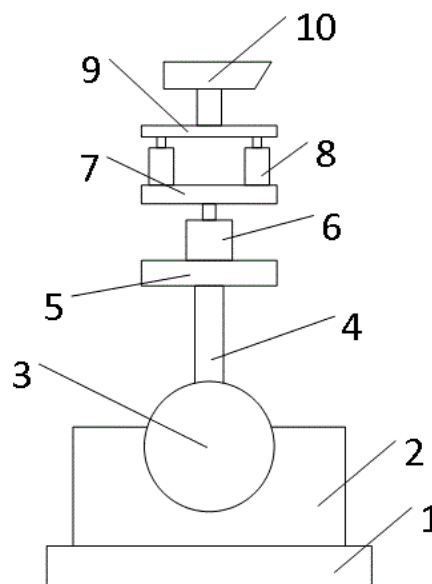
72: Fengqin YAN

54: AN INTELLIGENT MONITORING DEVICE FOR THE WARSHIP ON THE SEA

00: -

The present invention discloses an intelligent monitoring device for the warship on the sea, including a control device, a sea surface monitoring device, an anti-collision monitoring device and a collision detection device; the sea surface monitoring device includes a shock-absorbing bearing, there is a base on the shock-absorbing bearing, there is a groove on the top of the base, there is a balance ball in the groove, there is a support column on the

balance ball, there is the first support plate on the support column, there is a motor on the first support plate, the motor is connected with the second support plate through the transmission shaft, both ends of the second support plate are equipped with cylinders, the piston rod of the cylinders is connected with the third support plate, the third support plate is equipped with the first camera. The present invention adopts the above-mentioned intelligent monitoring device for the warship on the sea, which can monitor the change of sea surface, monitor whether there are reefs underwater, and prevent the ship from touching the reef when driving, setting the collision detection device can detect whether the hull is damaged and determine the damage location when the ship hits the rock.



21: 2023/06327. 22: 2023/06/19. 43: 2024/01/11
 51: B07C

71: Anhui Institute of Information Technology

72: Wang Yunfei, Cao Zijun, Shi Zhan, Li Jinxiang

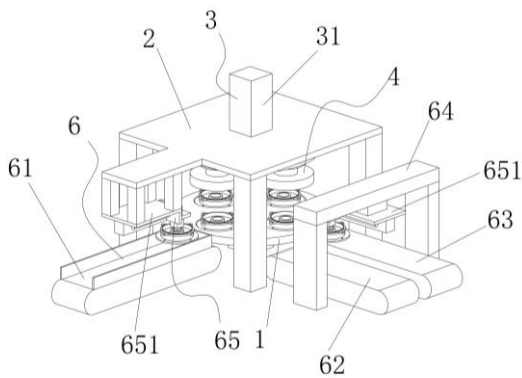
33: CN 31: 202210552851 .1 32: 2022-05-19

54: A GAS TIGHTNESS TESTING DEVICE FOR MOTOR FLANGE END COVERS

00: -

The present invention discloses a motor flange end cover airtightness detection device, which relates to the field of electrical detection, including a rotary table, a frame, a drive component, a pressure component, a leak detection component, and a loading and unloading device. The rotary table is fixedly connected to the output end of the divider,

and there are four circular grooves on the rotary table for placing the flange end cover; The loading and unloading device can achieve automatic loading and unloading of flange end caps; The pressurized component can simultaneously seal the area where the flange end cover is located and inflate the inside of the flange end cover, without the need for additional air source components, reducing equipment costs and shortening detection time; Utilizing changes in air pressure to drive the movement of the detection block to meet the triggering requirements of the proximity switch, this process is fast and accurate, and there will be no human observation errors; The rotary table, combined with pressurized and leak detection components, can detect multiple flange end covers at once, greatly shortening the detection cycle and making it suitable for large-scale testing work.



21: 2023/06328. 22: 2023/06/19. 43: 2024/01/11
51: H01R

71: Anhui Institute of Information Technology
72: Cheng Xiang, Sang Aoran, Fang Yifan

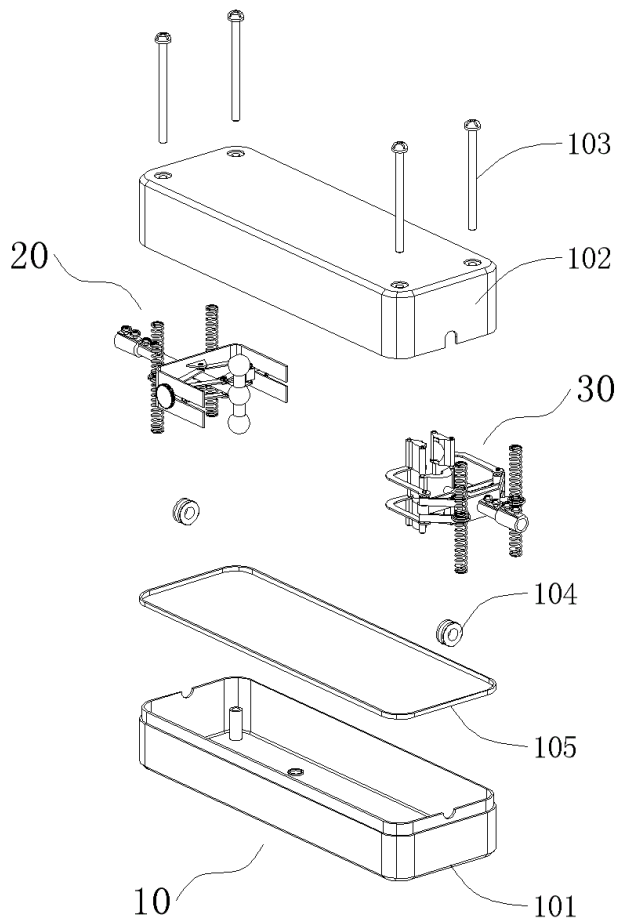
33: CN 31: 202210553512.5 32: 2022-05-20

54: A WIRING HARNESS CONNECTOR FOR AUTOMOBILES

00: -

The present invention discloses a wiring harness connector for automobiles, which relates to the technical field of electrical components, including a shell component, a male end component, and a female end component. The shell component includes a lower shell, an upper shell, and the upper shell is covered at the top of the lower shell and connected by several long screws. The male end component is located on one side of the inner side of the lower shell and the upper shell, and the male

end component includes a support plate 1, a sliding rod 1, and a wiring terminal 1. The conductive column and threaded rod are supported by a U-shaped structure with an opening facing inward. The female end component is located on the other side of the inner side of the lower and upper shells. The female end component includes a support plate 2, a sliding rod 2, a wiring terminal 2, a conductive block, a linkage strip, and a linkage column. The support plate 2 is V-shaped structure with an opening facing inward. In summary, the wiring harness connector for automobiles in the present invention has the characteristics of clever design, reasonable structure, convenient use, safe and reliable connection, and good vibration reduction effect.



21: 2023/06330. 22: 2023/06/19. 43: 2024/01/11
51: F16L

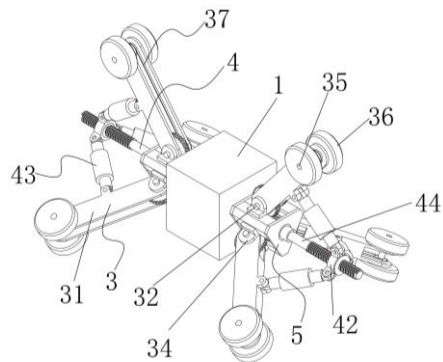
71: Anhui Institute of Information Technology
72: Yang Yu, Zheng Hao, Yang Junjie, Shi Yunbo, Chen Yao

33: CN 31: 202210569749 .2 32: 2022-05-24

54: A PIPELINE WALKING ROBOT

00: -

The present invention discloses a pipeline walking robot, which relates to the mechanical field and includes a body, a driving device, a walking component, and an adjustment component. The left and right sides of the body are fixedly connected with side frames, and there are three walking components on the side frames; By adjusting the opening degree of the walking component through the adjustment device, compared to the common spring passive method of changing the opening angle, the opening degree can be more accurately controlled to adapt to the walking work within different pipe diameters. By setting a pressure sensor inside the support rod, the pressure data between the walking wheel and the pipe wall can be indirectly obtained, and the pressure data can be used to achieve closed-loop control and adjustment of the motor, In terms of driving, a worm gear is used to synchronously drive the worm gear for rotation, transmitting driving force to the walking wheel to achieve walking in the pipe. Compared to using multiple actuators, the operation is more synchronous. Moreover, using the self-locking principle of the worm gear, the robot can stably stay at a certain position in the pipe and then carry out operations.



54: SAND COLLECTING DEVICE FOR MONITORING SOIL WIND EROSION AND DESERTIFICATION

00: -

The invention relates to the field of soil wind erosion monitoring, and in particular to a sand collecting device for monitoring soil wind erosion and desertification, which comprises a base; a first adjusting device is connected with the base; a second adjusting device is connected with the first adjusting device; a limiting frame assembly is connected with the first adjusting device; a sand collecting device is connected with the first adjusting device; wherein, the sand collecting device comprises a connecting frame assembly which is connected with the first adjusting device; and a sand collecting bucket assembly which is connected with the connecting frame assembly and used for collecting the sand. The invention has the advantages that: driven by the first adjusting device, the device can complete sand collection at different heights of the sand collecting device; meanwhile, the second adjusting device cooperates with the sand collecting device to collect sand bodies at regular intervals, so as to prevent the sand collection bodies from flying out with the continuous wind action and ensure the monitoring accuracy of the device.

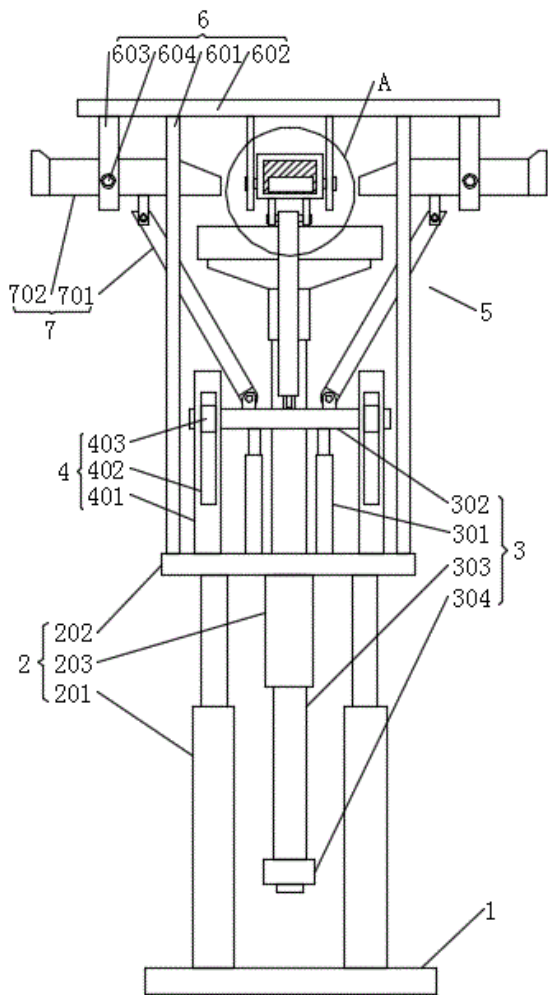
21: 2023/06331. 22: 2023/06/19. 43: 2024/01/09

51: G01M

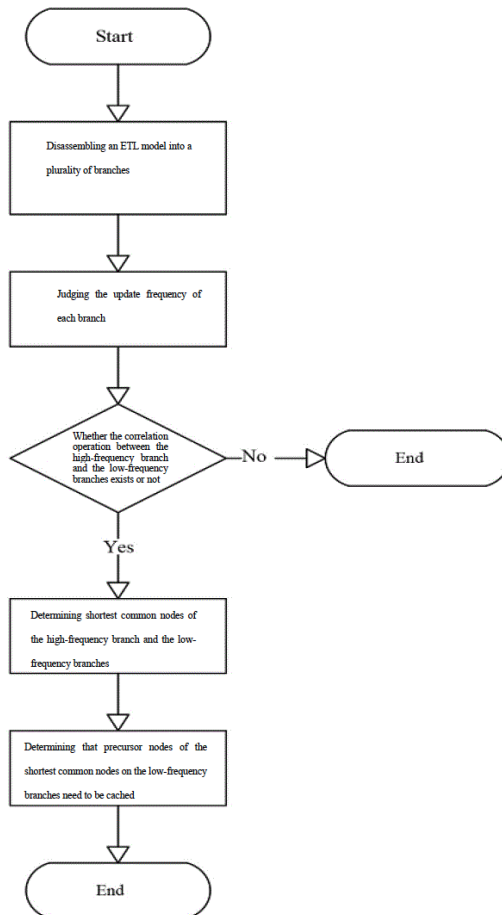
71: XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES

72: Yu Xiangxiang, Wang Haifeng, Li Fangguo, Fan Jinglong, Li Shengyu

33: CN 31: 2023105123242 32: 2023-05-09



execution rate is reduced from the operator aspect, the execution efficiency of the ETL model is improved, and the big data analysis is carried out more efficiently.



21: 2023/06333. 22: 2023/06/19. 43: 2024/01/09
 51: G06F
 71: Nanjing Beidou Innovation and Application Technology Research Institute Co., Ltd.
 72: Zhiqiang DU, Wei GUO, Yuda GUO, Yaxin FAN
54: BRANCH OPTIMIZATION METHOD AND SYSTEM FOR BIG DATA ETL MODEL EXECUTION

00: -
 The invention belongs to the field of big data analysis, discloses branch optimization method and system for big data ETL model execution, and dynamically analyzes the necessity of model execution according to update characteristics of original data set and characteristics of ELT model; and optimization judgment is carried out on a plurality of operator branches of the ETL model, and for branches with lower update frequency, a middle repeated calculation process is skipped in a manner of reconstructing a cache table, so that the repeated

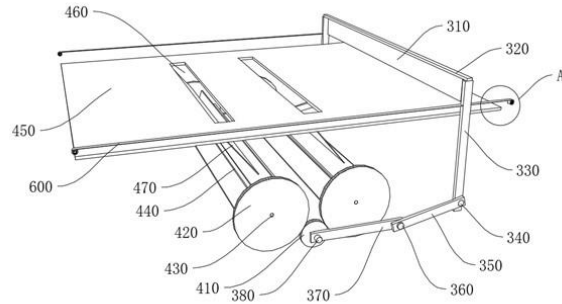
21: 2023/06334. 22: 2023/06/19. 43: 2024/01/17
 51: G06Q
 71: SHANDONG FIRST MEDICAL UNIVERSITY & SHANDONG ACADEMY OF MEDICAL SCIENCES, SHANDONG INSTITUTE OF MEDICINE AND HEALTH INFORMATION
 72: ZHANG, Rui, ZHAO, Wu, DOU, Weijie, FAN, Jun, YANG, Xiuyun, XI, Min, YUE, Yuan
54: METHOD FOR BALANCED ALLOCATION OF SCIENTIFIC RESEARCH RESOURCES

00: -
 The present invention relates to the technical field of scientific research resource allocation in colleges and universities, in particular to a method for balanced allocation of scientific research resources, comprising the following preparation steps: representing key parameters of projects to be

allocated in the form of a table; converting the table into a P matrix; representing each type of characteristic values by a constant matrix X; multiplying the P matrix with the X matrix, represented as an M matrix; solving the optimal solution of the M matrix, judging the number of the solutions, performing step (6) or step (7); (6) solving an optimal solution set, calculating the standard deviation of the optimal solution set according to the optimal solution set, and taking the optimal solution with the minimum standard deviation in the optimal solution set as a final solution; (7) selecting an optimal solution by a scatter plot.

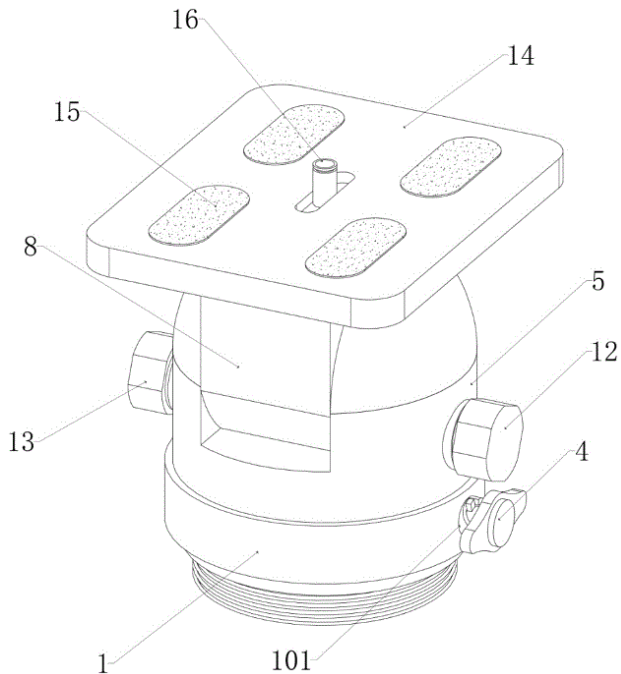
21: 2023/06335. 22: 2023/06/19. 43: 2024/01/17
 51: E03B
 71: CHINA RAILWAY HUATIE ENGINEERING DESIGN GROUP CO., LTD.
 72: WANG, Yin, ZHU, Jiangbo, LI, Mingze
54: RAINWATER COLLECTION DEVICE FOR MOUNTAIN BUILDING SLOPE
 00: -

The present invention discloses a rainwater collection device for a mountain building slope, and relates to the technical field of rainwater collection. The device comprises a water collection tank; a top end of the water collection tank is fixedly connected with a filter screen; a top end of the filter screen is slidably connected with a scraping mechanism; an outer wall of the scraping mechanism is fixedly sleeved with a rotating mechanism; the scraping mechanism comprises a scraper, connecting strip, moving plates, first rotating shafts, first connecting plates, second rotating shafts, second connecting plates and connecting shafts; and a top end of the filter screen is slidably connected with the scraper. The scraping mechanism is arranged for scraping debris on the filter screen, to prevent the debris from accumulating on the filter screen. The rotating mechanism is arranged to convert the gravity of falling rainwater into power while collecting rainwater.



21: 2023/06337. 22: 2023/06/19. 43: 2024/01/17
 51: F16B
 71: JINING NORMAL UNIVERSITY
 72: LIU, Tong
54: LOCKING STRUCTURE FOR ROTATING SHAFT OF PHOTOGRAPHY AND VIDEOGRAPHY GIMBAL

00: -
 The present invention relates to the technical field of photography gimbals, and specifically relates to a locking structure for a rotating shaft of a photography and videography gimbal. The locking structure for the rotating shaft of the photography and videography gimbal includes a bottom ring, where an inner wall of the bottom ring is fitted with a rotating ring, an inner wall of the rotating ring is fitted with limiting teeth, a clamping lock is fixed to one side of an outer wall of the bottom ring, a fixing bolt penetrates through one side of the outer wall of the bottom ring, a rotating seat is fixed to the top of the rotating ring, clamping bearings are arranged at both sides of an inner wall of the rotating seat respectively, inner walls of the clamping bearings are fitted with a longitudinal shaft, the longitudinal shaft penetrates through both sides of a pitch seat, and a penetrating arc-shaped hole is formed in the surface of the pitch seat. According to the improved locking structure for the rotating shaft of the photography and videography gimbal, the pitch seat and the arc-shaped hole are added, and a pitch angle for shooting may be locked at any position, so that stepless adjustment for the pitch angle for shooting is achieved; and a locking clamp and the fixing bolt are added, and locking and unlocking for the transversal rotating shaft may be completed only by rotating the fixing bolt by 90 degrees, so that more convenient operation is achieved.

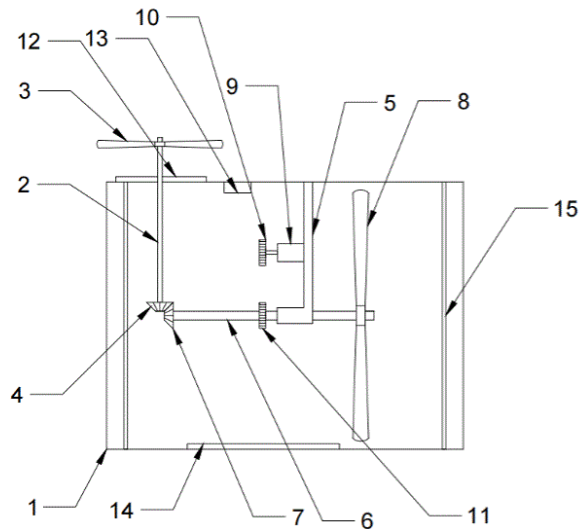


21: 2023/06338. 22: 2023/06/19. 43: 2024/01/17
 51: F24F
 71: CHINA CONSTRUCTION FIFTH DIVISION
 SOUTHERN CONSTRUCTION SUBSIDIARY
 CORP., LTD
 72: ZHOU, Jie, YANG, Jun, WANG, Qianhong,
 CHEN, Long, FAN, Lixiong, ZHANG, Yongyu, LIU,
 Jiong, HE, Weijun, YAN, Wei, WANG, Zhenming, LI,
 Xiaoyu, KANG, Long, HUANG, Jiahao

**54: AN ENERGY-SAVING VENTILATION DEVICE
 FOR A CONSTRUCTION SITE**

00: -
 The present invention discloses an energy-saving ventilation device for a construction site, which belongs to the technical field of construction engineering and comprises: a shell, a first rotating shaft, small fan blades, a first bevel gear, a fixed rod, a second rotating shaft, a second bevel gear and big fan blades; wherein, the said first rotating shaft is rotatably connected to the shell, one end of the first rotating shaft is positioned outside the shell, the other end is positioned inside the shell; one end of the first rotating shaft positioned outside the shell is connected to small fan blades; the small fan blades are driven by outdoor natural winds, one end of the first rotating shaft positioned inside the shell is connected to a first bevel gear, the fixed rod is installed on the inner top of the shell, and the second rotating shaft penetrates one end of the fixed rod, and one end of the second rotating shaft is

connected to a second bevel gear, and the other end is connected to big fan blades, and the first bevel gear is meshed with the second bevel gear. The present invention has the advantages of less energy consumption, easy to assemble and disassemble, easy to clean with adjustable supply air temperature.



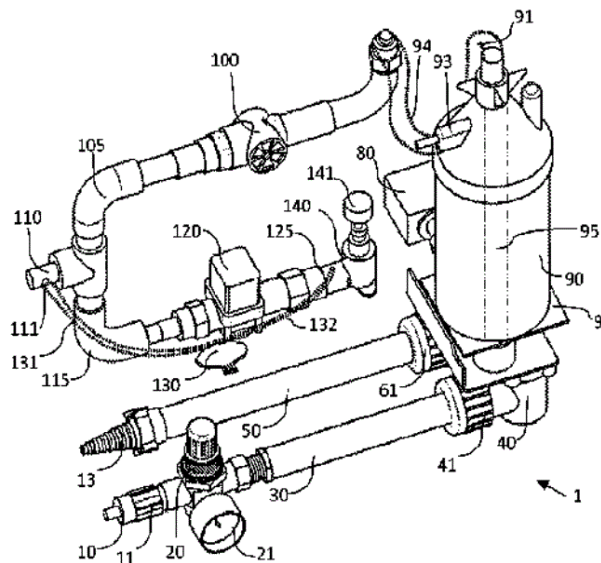
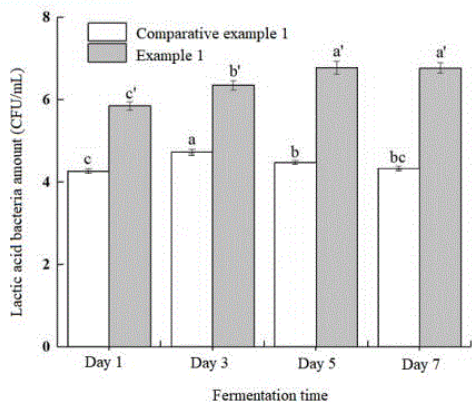
21: 2023/06341. 22: 2023/06/19. 43: 2024/01/09
 51: A23B; A23L; C12P
 71: HUANGSHAN UNIVERSITY

72: WU, Yongxiang, CHEN, Xiangyang, ZHOU, Xun,
 YANG, Liu, HU, Changyu, SUN, Hanju, SHE,
 Xinsong, ZHU, Rujin, DONG, Xinyu, LIU, Gang
 33: CN 31: 202111140005.0 32: 2021-09-28

**54: BIOLOGICAL PRESERVATION SOLUTION
 FOR STINKY MANDARIN FISH AND METHOD
 FOR PRODUCING LOW-SALT STINKY
 MANDARIN FISH**

00: -
 Disclosed is a method for preparing a biological preservation solution for a stinky mandarin fish. Fish scales produced during the production of a stinky mandarin fish are subjected to pretreatment, decalcification, impurity removal, enzymolysis, ultra-high pressure treatment, purification, a Maillard peptide reaction and preparation to obtain the biological preservation solution for refrigerating the stinky mandarin fish. Further disclosed is a method for producing a low-salt stinky mandarin fish. A mandarin fish is subjected to cleaning, soaking in a combined antibacterial plant liquid, ultra-high pressure sterilization, pickling, inoculation with dominant lactic acid bacteria isolated from the stinky

mandarin fish, fermentation and preservation using the biological preservation solution of the stinky mandarin fish prepared by the above-mentioned method for preparing the biological preservation solution of the stinky mandarin fish, and the low-salt stinky mandarin fish is obtained.



21: 2023/06342. 22: 2023/06/19. 43: 2024/01/09
 51: A61M
 71: IQANTUM PATENT FACTORY SA DE CV
 72: Julio Alberto Rosano Garcia
 33: MX 31: Mx/a/2020/008822 32: 2020-08-19
54: ASSISTED BREATHING APPARATUS AND METHOD
 00: -

The present invention refers to a respiratory assistance device that provides respiratory support to patients when they are unable to do it on their own or have difficulties in doing so, where it is made up of a series of electronic, mechanical and control arrangements to execute such actions, providing a constant flow of air/oxygen to the patient.

21: 2023/06349. 22: 2023/06/19. 43: 2024/01/09
 51: C08L

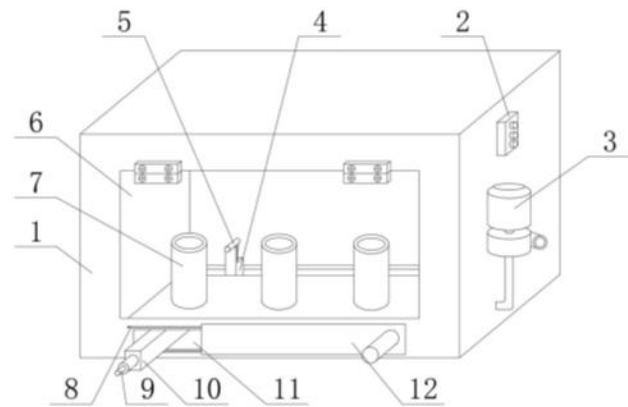
71: Hainan Tropical Ocean University
 72: Hu Yaqin, Huang Jiayin, Hu Zhiheng, Hu Lingping, Li Gaoshang, Liu Jialin
 33: CN 31: 202210020559.5 32: 2022-01-10
54: ROSELLE DEGRADABLE FRESH-KEEPING COMPOSITE FILM, PREPARATION PROCESS AND ITS APPLICATION

00: -
 The invention discloses roselle degradable fresh-keeping composite film, preparation process and its application, which relates to the technical field of food packaging materials. The fresh-keeping composite film is prepared from 4g of film-forming substrate, 100mL of distilled water and 0.12-0.24g of fresh-keeping agent, wherein the film-forming substrate is composed of polyvinyl alcohol and hydroxypropyl methylcellulose, and the fresh-keeping agent is rosette. The composite film of the invention can prolong the shelf life of food and improve the safety of food.

21: 2023/06350. 22: 2023/06/19. 43: 2024/01/17
 51: A01G
 71: INSTITUTE OF INDUSTRIAL CROPS, HENAN ACADEMY OF AGRICULTURAL SCIENCES
 72: ZANG, Xiuwang, ZHANG, Jun, HAO, Xi, ZHANG, Man, ZHANG, Penglei, ZHANG, Yang, LIU, Mengya
 33: CN 31: 202210702156.9 32: 2022-06-20
54: METHOD FOR SCREENING PEANUT VARIETY WITH HIGH NITROGEN ABSORPTION

EFFICIENCY AND CULTURE OBSERVATION APPARATUS THEREFOR

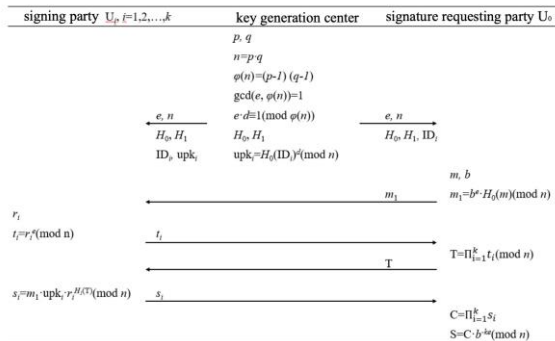
00: -
 The present invention belongs to the technical field of crop identification and screening, and discloses a method for screening a peanut variety with high nitrogen absorption efficiency and a culture observation apparatus therefor. In the present invention, after 12-15 days of hydroponic culture or 20-25 days of culture in a medium at specific total nitrogen content, root development is detected; and a root development coefficient S is calculated according to total root lengths under culture at different nitrogen contents, and then a nitrogen absorption capacity of a peanut variety is judged. The present invention further discloses an apparatus for cultivation observation of a peanut. The present invention achieves rapid batch detection on the peanut variety, and ensures the accuracy of identification.



21: 2023/06359. 22: 2023/06/19. 43: 2024/01/17
 51: H04L
 71: INSPUR SOFTWARE TECHNOLOGY CO., LTD.
 72: ZHANG, Feng, LIN, Yiwei, LI, Zhaochuan, ZHU, Jiabing, LIN, Jie, WANG, Guanjun
 33: CN 31: 202310443386.2 32: 2023-04-24
54: IDENTITY-BASED RSA MULTIPLE BLIND-SIGNING METHOD AND DEVICE

00: -
 In the present invention, an identity-based RSA multiple blind-signing method and a related device are provided, which belong to the technical field of information security. The technical problem to be solved in the present invention is how to design a blinding mechanism for the information to be signed. The technical solution to be used is: S1. initialization stage: a key generation center generating a pair of

RSA public and private keys according to the RSA algorithm, generating an identity-based private key for each corresponding signing party and sending the private key to the corresponding signing party; S2. blinding stage: a signature requesting party randomly selecting a blind element b, using the blind element to blind information to be signed, and sending the blinded information to the signing parties; S3. signing stage: the signing parties generating their own random secret values and sending them to the signature requesting party; the signature requesting party performing aggregation, broadcasting to the signing parties, collecting personal signing results of the signing parties, and performing aggregation signing; and S4. de-blinding and verification stage: the signature requesting party de-blinding a blind-signing result.



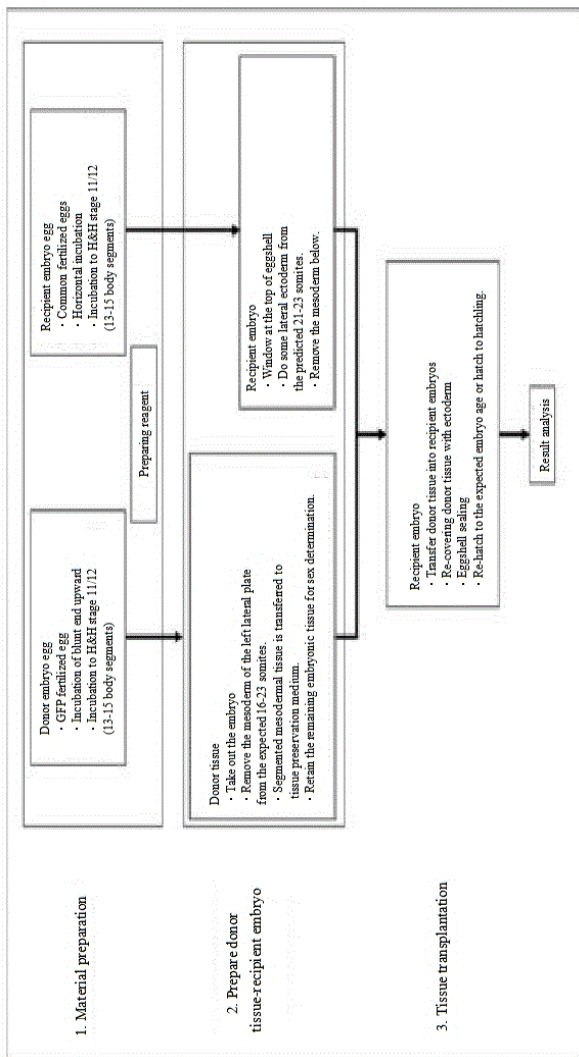
21: 2023/06375. 22: 2023/06/20. 43: 2024/01/09
 51: A01K

71: Jiangsu Institute of Poultry Sciences
 72: FAN Yanfeng, LIU Long, TANG Xiujun, JIA Xiaoxu, LU Junxian, ZHANG Jingxin, ZHAO Minmeng, Debiao ZHAO, Micheal CLINTON

54: TECHNIQUE FOR EFFICIENT CONSTRUCTION OF CHIMERIC GONADAL CHICKEN EMBRYOS BY EMBRYO TRANSFER

00: -
 In order to solve the technical problems in the prior art that the operation efficiency of embryo transfer and the success rate of obtaining chimeric gonadal chicken embryos after transplantation are relatively low, the invention provides a technology for efficiently constructing chimeric gonadal chicken embryos through embryo transfer, which is divided into four steps: material preparation, donor tissue separation, recipient embryo preparation and donor tissue transplantation. By genotyping donor and

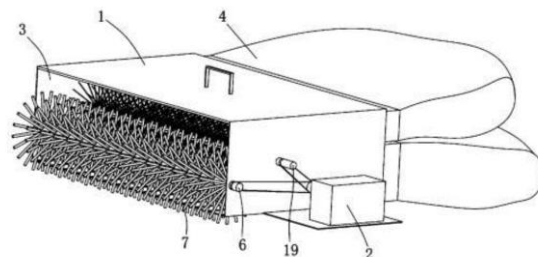
recipient tissues, the sex of donor and recipient can be determined, so as to obtain cross-sex chimeric gonadal chicken embryos. The operation efficiency and the success rate of obtaining chimeric gonadal chicken embryos after transplantation were significantly improved. Using this chimeric gonad chicken embryo as a model, we can study the expression of related genes in gonads of different sexes, so as to further study the sex determination and gonad development mechanism of chickens.



21: 2023/06376. 22: 2023/06/20. 43: 2024/01/09
 51: A01D
 71: CHONGQING ACADEMY OF AGRICULTURAL SCIENCES
 72: ZHANG Ying, WANG Jie, XU Ze, WU Xihong, CHEN Zhengming, ZHONG Yingfu, YUAN Linying, YANG Haibin, WU Quan

54: TEA PICKING ASSEMBLY AND TEA PICKER
 00: -

The invention relates to the technical field of tea picking, in particular to an extrusion type picking assembly and a tea picker which are convenient to ensure good tea picking varieties. The extrusion type picking assembly comprises an extrusion part and a first rotating shaft, where the extrusion part and the first rotating shaft are connected with a driving part; a plurality of extrusion arms are arranged on the first rotating shaft; the extrusion arms comprise a connecting section connected with the first rotating shaft and an extrusion section used for exerting upward pulling force on fresh tea leaves in cooperation with the extrusion part; and the pulling force is used to break the bud stem of fresh tea leaves. According to the extrusion type picking assembly, the bud stem is pulled off by the pulling force, and the bud stem is not fractured due to excessive pressure, so that the problem that the fracture of tea leaves is brownish red when drinking and the problem that too much slurry is dissolved in water are avoided, the appearance of tea leaves and the taste of tea soup are ensured, the tea yield quality of tea trees in the next year is also ensured, and the collection amount of branches is greatly reduced, and the difficulty of subsequent screening is reduced.



21: 2023/06377. 22: 2023/06/20. 43: 2024/01/09
 51: E21C; E21D

71: China University of Mining and Technology, Beijing

72: Dongdong CHEN, Shengrong XIE

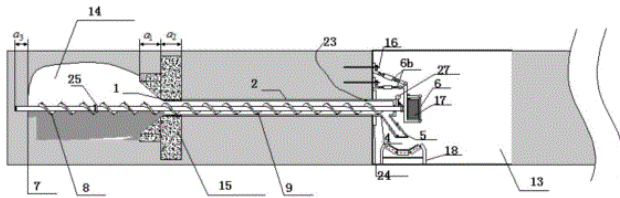
33: CN 31: 2023101828367 32: 2023-03-01

54: CONTINUOUS PRESSURE RELIEF SYSTEM AND METHOD FOR THE INSIDE OF SURROUNDING ROCK OF CONTINUOUS LARGE DEFORMATION ROADWAYS

00: -

The invention discloses a A continuous pressure relief system and method for the inside of

surrounding rock of continuous large deformation roadways, which belongs to the field of surrounding rock support technology, and the pressure relief system includes: a power component; a screw rod without cutting teeth, one end of the screw rod without cutting teeth is connected with the power component, and the other end is in threaded connection with a screw rod with cutting teeth; a drilling bit, which is in a threaded connection with the screw rod with cutting teeth at one end; a position-limit supporting component, the screw rod with cutting teeth is placed in the position-limit supporting component; a pressure measuring ring bag, which is fixed in the middle part of the screw rod with cutting teeth; the invention solves the problem that the method of making large pressure relief caves by traditional equipment is difficult to meet the requirements for making multiple pressure relief caves at the same time, a solidified zone with high bearing capacity is formed on one side of the pressure relief cave due to the injection of solidified material, the solidified zone and the solid protecting pipe form an anchoring entirety, and the pull-out zone is formed through the blocking pipe tray. which can effectively prevent the pressure relief cave from destroying and developing to the anchoring zone, and realize the stability of the surrounding rock in the anchoring zone, it has a very wide and important application value.



21: 2023/06378. 22: 2023/06/20. 43: 2024/01/09
51: E21D

71: China University of Mining and Technology, Beijing

72: Dongdong CHEN, Fulian HE

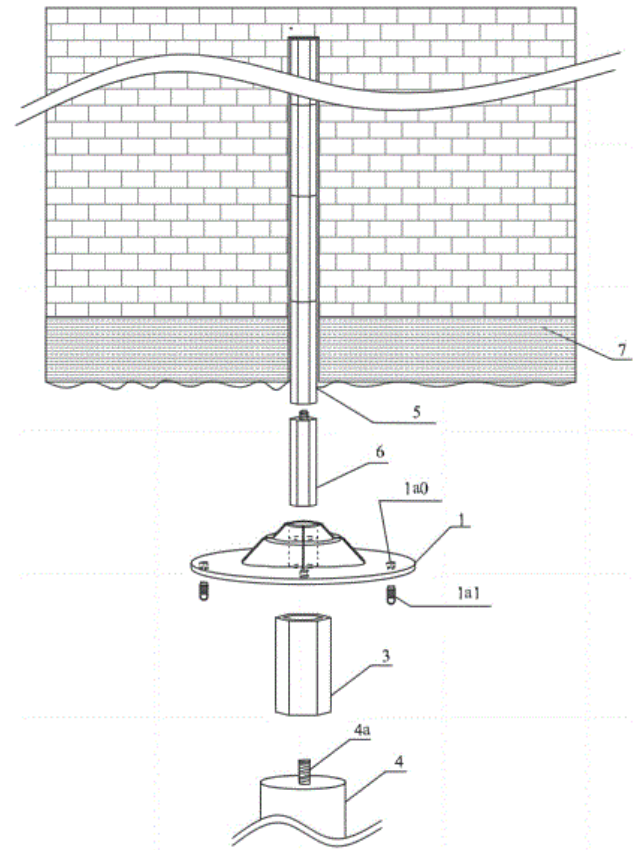
33: CN 31: 2023100333437 32: 2023-01-10

54: LOCAL BUILT-IN SURROUNDING ROCK SELF-LOCKING TRAY AND ITS USE METHOD

00: -

The invention relates to the field of surrounding rock support technology in mining engineering, and provides a local built-in surrounding rock self-locking tray and its use method is provided, including a local reaming drill bit, a built-in surrounding rock self-

locking tray, a sleeve and grinding teeth, the local reaming drill bit is a variable-diameter drill bit, and the tray is a variable-diameter tray, the tray and the reaming area formed by the local reaming drill bit can be seamlessly and tightly connected; the using method is that when drilling to the last section of the drill pipe, the local reaming drill bit and casing are sleeved on the last section of the drill pipe in turn, after drilling to the specified position, it stops drilling until the uneven surface of the surrounding rock becomes smooth by the grinding teeth, finally, the tray and anchor cable are installed, and additional anchors are not required to be installed in the method of the invention, it has good mechanical performance and strong overall bearing capacity by adopting the multi-stage variable-diameter, the tray support system is stable and reliable and is not affected by repeated support such as supports, it has strong adaptability, and the integration of drilling and reaming is convenient and quick, which has a very wide and important application value.



21: 2023/06383. 22: 2023/06/20. 43: 2024/01/09
51: G01N

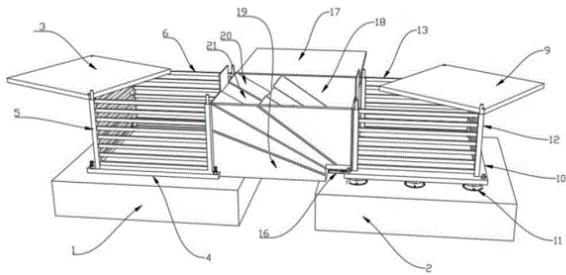
71: Fuzhou University, Fuzhou Zuohai Holding Group Co., Ltd.

72: CHEN, Yongfeng, GU, Yin, WANG, Hao

54: EXPERIMENTAL DEVICE FOR SIMULATING FAULT-CROSSING TUNNEL

00: -

Disclosed is an experimental device for simulating a fault-crossing tunnel, including a first shaking table, a second shaking table, a fixed shear box, a movable shear box, a fault simulation area, an hourglass unloading device and an electric lifting platform. The device may simulate dynamic responses of a cross-fault tunnel, and the influence of different burial depths on the tunnel and the influence of faults with different tilt angles on the tunnel under the action of dislocation. The dynamic responses of the tunnel under different actions of vibration may be simulated by debugging the shaking tables, the dynamic response of surrounding rock sinking under a seismic action may be simulated through the hourglass unloading device, and the responses of the tunnel under the actions of fault dislocation and vibration may be simulated by simultaneously using the two parts.



21: 2023/06406. 22: 2023/06/20. 43: 2024/01/17

51: A01K

71: FOURNIER, Nicolas

72: FOURNIER, Nicolas

33: FR 31: 2012900 32: 2020-12-09

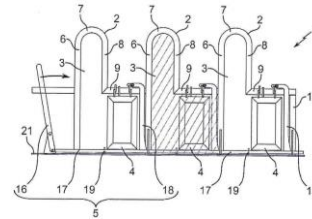
33: FR 31: 2110211 32: 2021-09-28

54: FEED BARRIER

00: -

The present invention relates to a feed barrier (1) remarkable in that it comprises: - a plurality of vertical flat gantries (2) arranged to be arranged in a row next to each other along a trough (A) of a stable, each gantry (2) determining, with the ground and said adjacent gantry (2) or end post (10), an internal L-shaped space (3), - a trap door (4) associated with each portal (2) and movable with respect to the latter

in order to close or not close at least the lower side portion of said space (3), and - exclusively mechanical locking means (5) for switching the feed barrier (1) from its "access" position to its "locked" position, and vice versa.



21: 2023/06413. 22: 2023/06/21. 43: 2024/01/09

51: E02D

71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY

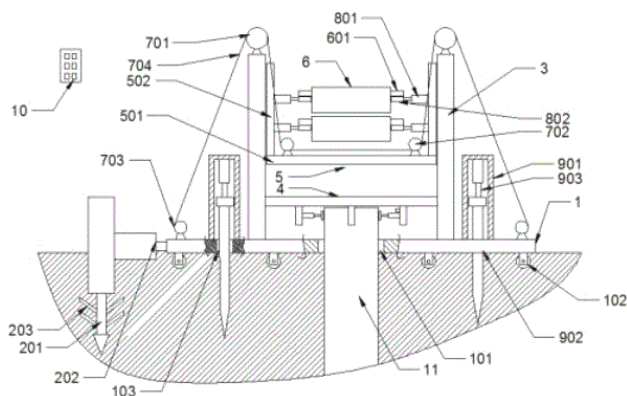
72: LI Xingzhen, CHENG Cheng, LI Kuo, LIU Nianru, LIU Liwei

54: BEARING CAPACITY DETECTION DEVICE CAPABLE OF ALIGNING CENTROID OF CONCRETE PILE FOUNDATION

00: -

The invention discloses a bearing capacity detection device capable of aligning the centroid of a concrete pile foundation, which comprises a base, wherein a central hole is formed on the base, and a moving wheel is arranged at the bottom of the base; the position adjusting assembly comprises two anchor rods arranged on two adjacent sides of the base, and the anchor rods are connected with the base through a first hydraulic telescopic rod; two supporting plates; two ends of the bearing plate are respectively connected with the two supporting plates in a sliding way, four positioning plates are uniformly arranged along the circumferential direction of the center of the bottom surface, each positioning plate is provided with a displacement sensor, and the two positioning plates and the telescopic end of the first hydraulic telescopic rod are located in the same straight line; the bearing frame is positioned above the bearing plate and the center line of the bearing frame coincides with the center line of the bearing plate; a plurality of counterweights are respectively arranged in the bearing frame, and the center lines of the counterweights are respectively coincident with the center lines of the bearing frame. The invention solves the problem that it is difficult to align the

center of the falling heavy hammer with the centroid of the cross section of the concrete pile foundation in the process of detecting the bearing capacity of the concrete pile foundation in high strain dynamic testing.



21: 2023/06415. 22: 2023/06/21. 43: 2024/01/09
 51: G01N
 71: Gansu Analysis and Research Center
 72: ZHANG, Rui, LIU, Yu, YANG, Jing
54: PRETREATMENT METHOD FOR DETECTING NIGERICIN IN CHICKEN

00: -
 The present invention provides a pretreatment method for detecting nigericin in chicken, and belongs to the technical field of analysis and detection. In the pretreatment method, a chicken sample is extracted using a nitrile solvent and then the extracting solution is purified by a graphitized carbon black solid-phase extraction column; the extraction rate of nigericin is greatly improved, and the pretreatment process is simple. Moreover, the solid-liquid ratio of the chicken sample to the nitrile solvent is 0.15-0.3 g : 1 mL, the usage amount of the nitrile solvent is small, the detection cost is low, and environmental pollution is also reduced. As shown in the test results of the embodiments, the pretreatment method has a high extraction rate of 95.71 percent for nigericin in chicken, the sensitivity and accuracy of subsequent HPLC-MS/MS detection are improved, and the requirements of relevant domestic and foreign laws and regulations can be satisfied.

21: 2023/06420. 22: 2023/06/21. 43: 2024/01/09
 51: G01N
 71: Dermatology Hospital, Southern Medical University (Guangdong Provincial Dermatology

Hospital, Guangdong Provincial Center for STI & Skin Diseases Control and Prevention, China Leprosy Control and Prevention Research Center)
 72: Wujian Ke, Wenjia Weng, Xinying Leng, Leiwen Fu, Luoyao Yang, Lixia Huang, Jiabin Wu
 33: CN 31: 202310611112.X 32: 2023-05-26

54: CLINICAL DIAGNOSIS SYSTEM OF NEUROSYPHILIS BASED ON MACHINE LEARNING FOR NON-DIAGNOSTIC PURPOSES

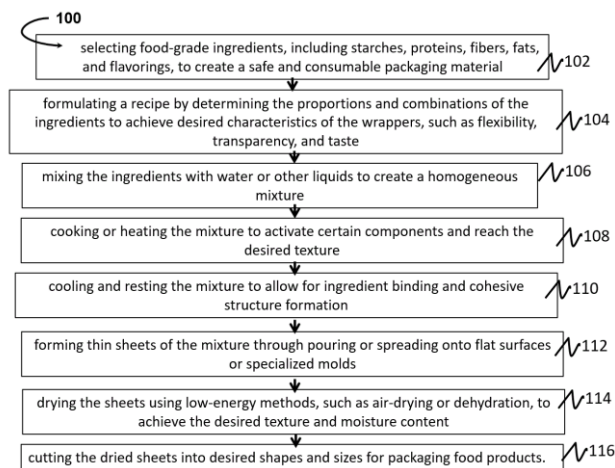
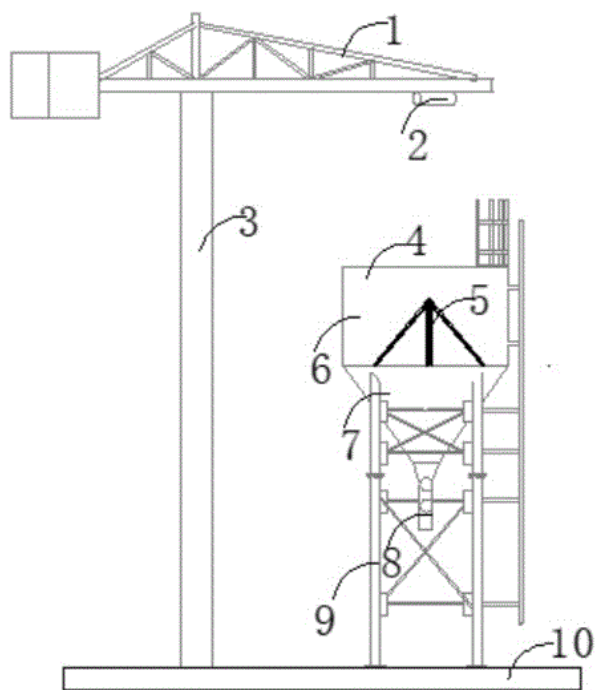
00: -
 The invention relates to the field of machine learning technology, in particular to a clinical diagnosis system for neurosyphilis based on machine learning for non-diagnosis and treatment purposes. It consists of coding module, prediction module, verification module, modeling module and evaluation module. The beneficial effects of the invention are as follows: the machine learn-based neurosyphilis clinical diagnosis system for non-diagnostic purposes of the invention has high accuracy and stability, which enables clinicians to plan more personalized management for syphilis patients and safely avoid excessive medical treatment. We apply machine learning techniques to help simplify the diagnosis of neurosyphilis, which can improve generality and facilitate translation into real-world clinical practice.

21: 2023/06421. 22: 2023/06/21. 43: 2024/01/11
 51: B65G
 71: China Railway Seventh Bureau Group Nanjing Engineering Co., Ltd.
 72: Lu Yongping, Zhang Jianhua, Li Meng, Li Haifeng, Ma Zichao, Li Yongkang, Zhang Lei, Yao Jianrong, Song Zhichao, Cui Wenshuang
54: COMBINATION EQUIPMENT FOR CONTAMINATED SOIL REMEDIATION

00: -
 The utility model discloses a combination equipment for contamination remediation, including a crane, the bottom of the crane is provided with a prop, the end part of the crane is provided with a lifting end, the bottom of the lifting end is provided with a medicine inlet, the bottom of the medicine inlet is provided with a medicine reagent tank, the center of the medicine reagent tank is provided with a bale breaker, the bottom of the bale breaker is provided with a blanking hopper, the blanking hopper is provided with a medicine outlet, the perimeter of the blanking hopper is provided with a bracket, the bottom of the bracket is provided with a soil area.

The combination equipment system of this kind of contaminated soil remediation is simple in structure, convenient in construction, and effectively reduces the cost of remediation, it can effectively prevent the dust generation, avoid secondary pollution, it is safe and clean, which has obvious environmental benefits, wide range of application scope and strong applicability, it can provide a large-scale and high-quality environment for remediation of contaminated soil, which has strong mobility, high flexibility, high degree of automation, and it can significantly improve the efficiency of remediation.

The plant-based components are combined with water and other all-natural additives in the manufacturing process to produce a thick solution. The resulting thin, flexible sheets are then spread out on specialized molds. To lessen the production's carbon footprint, the sheets are dried using low-energy techniques such as air drying or dehydration. The manufactured edible wrappers are flexible, transparent, and have neutral taste. Furthermore, the wrapper is biodegradable and environment friendly.



21: 2023/06422. 22: 2023/06/21. 43: 2024/01/17
51: B65D

71: Dr. Nikhlesh Kumar Mishra, Dr. Kamal Kishor Upadhyay

72: Dr. Nikhlesh Kumar Mishra, Dr. Kamal Kishor Upadhyay

54: A METHOD FOR MANUFACTURING EDIBLE WRAPPERS FOR PROVIDING SUSTAINABLE FOOD PACKAGING SOLUTION

00: -

The present disclosure relates to a method for manufacturing edible wrappers for providing sustainable food packaging solution. The plant-based ingredients used to make the edible wrappers, including carbohydrates, proteins, and fibers, are derived from sustainable and regenerative

21: 2023/06423. 22: 2023/06/21. 43: 2024/01/11

51: G08B

71: Henan University of Urban Construction

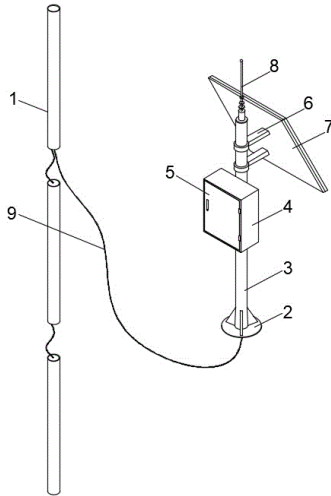
72: Gao Ning, Gao Caiyun, Song Ziyang, Zhao Miaoxing, Liu Zhan, Zheng Chongqi

54: A NEW TYPE OF LANDSLIDE MONITOR

00: -

The invention relates to the field of landslide monitoring devices, and discloses a novel landslide monitor which comprises a monitoring tube and a base, wherein the upper end surface of the base is fixedly connected with a mounting column, the outer end of the mounting column is fixedly provided with a control box close to the middle part, the outer end of the mounting column is fixedly connected with a connecting frame close to the upper end, and the monitoring tube is composed of a plurality of tube bodies. The inner bottom of the pipe body is fixedly provided with a liquid pressure sensor, and the plurality of liquid pressure sensors in the pipe body are connected with each other through an auxiliary connecting line. According to the novel mountain landslide monitor provided by the invention, the mountain landslide is monitored by adopting the

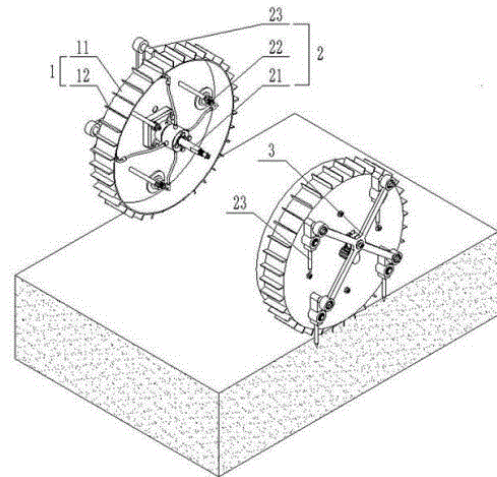
change of the liquid pressure, and the greater the change of the value of the hydraulic pressure is, the higher the degree of the mountain landslide is, so that the monitor is sensitive in response; and meanwhile, data can be transmitted to a remote control end through a wireless communication module, so that remote monitoring is facilitated.



21: 2023/06432. 22: 2023/06/21. 43: 2024/01/09
 51: A01B
 71: INTELLIGENT EQUIPMENT RESEARCH CENTER, BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES
 72: ZHAI, Changyuan, LI, Si, LV, Chunling, WANG, Xiu, ZOU, Wei, DOU, Hanjie, GU, Chenchen, LI, Cuiling, FAN, Pengfei
 33: CN 31: 202211471039.2 32: 2022-11-23
54: SOIL DISINFECTION DEVICE AND SOIL DISINFECTION SYSTEM

00: -
 The present disclosure relates to the technical field of equipment manufacturing, and provides a soil disinfection device and a soil disinfection system. The soil disinfection device includes a wheel disc, a pesticide injection mechanism, a transmission assembly and a connecting rod assembly. A liquid inlet assembly is movably connected to a center of the wheel disc and provided with a liquid inlet channel, a liquid guide assembly is fixedly disposed on the wheel disc and provided with a liquid guide channel, a liquid outlet assembly is rotationally connected to the liquid guide assembly, a rotating axis of the liquid outlet assembly is parallel to a central axis of the wheel disc, and the liquid outlet assembly is provided with a liquid outlet channel; a

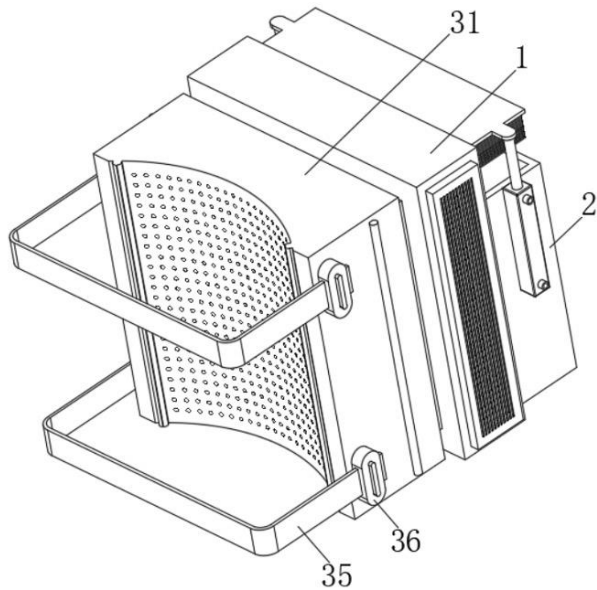
driving end of the transmission assembly is fixedly connected to the wheel disc.



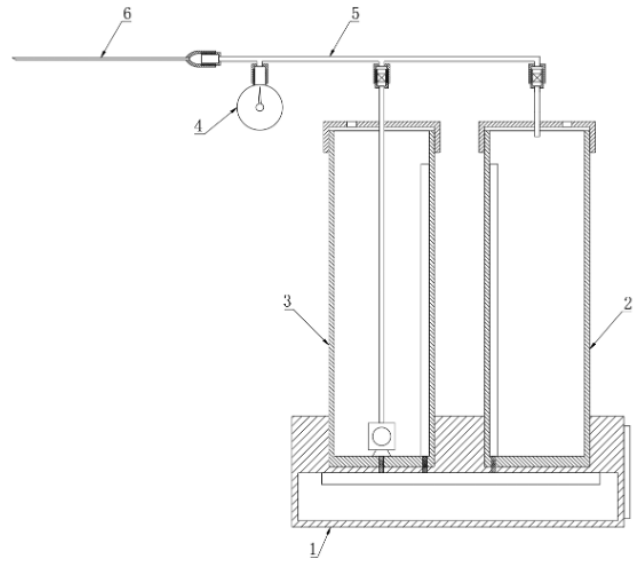
21: 2023/06434. 22: 2023/06/21. 43: 2024/01/17
 51: A61F
 71: XIANGYA HOSPITAL CENTRAL SOUTH UNIVERSITY
 72: LI, Mingqing
 33: CN 31: 202211006460.6 32: 2022-08-22
54: COLD COMPRESS DEVICE FOR ORTHOPEDIC TRAUMA

00: -
 The present invention relates to the technical field of orthopedic trauma, and discloses a cold compress device for orthopedic trauma, comprising a shell, an insulation box for storing ice is fixedly connected to outer part of the shell, an electric lifting rod for controlling the opening and closing of the insulation box is fixedly connected to outer part of the insulation box, a cover plate for sealing the insulation box is fixedly connected to outer part of the electric lifting rod. A U-shaped copper rod for conducting low temperature is fixedly connected to inner side of the insulation box. Inhale external air through an air pump heat exchange plate, and filter and absorb air moisture through silica gel in inner part of a drying plate, which prevents the U-shaped copper rod from contacting with the air during cold compress process to generate liquid water through heat exchange, and increases comfort of cold compress for orthopedic trauma limb. Cold air flows into a spray rubber box and is evenly sprayed onto surface of the trauma limb through an air hole under support of a cushion strip, then a restriction plate can easily adjust a flow rate of the cold air through

the air hole, which increases an application scenario of the cold compress for the orthopedic trauma.



connected to end of the needle tube, the second connecting head and the first connecting head are fitted each other. A process of cerebrospinal fluid replacement in the present invention is automatically proceeded, fluid release injection efficiency is high, and leakage is not prone to occurring, which can better protect patients, and is safer and more reliable.



21: 2023/06435. 22: 2023/06/21. 43: 2024/01/17
51: A61M

71: XIANGYA HOSPITAL CENTRAL SOUTH UNIVERSITY

72: YOU, Jia

33: CN 31: 202210171579.2 32: 2022-02-24

54: MANOMETRIC FLUID RELEASE INJECTION DEVICE FOR CEREBROSPINAL FLUID REPLACEMENT

00: -

The present invention discloses a manometric fluid release injection device for cerebrospinal fluid replacement, which relates to the field of medical devices, comprising a console, a fluid release device, an injection device, a connecting tube and a puncture needle; the fluid release device comprises a cerebrospinal fluid storage tank, top of the cerebrospinal fluid storage tank is provided with a first tank cover fitted with it; the injection device comprises a saline storage tank, top of the saline storage tank is provided with a second tank cover fitted with it; a pump is provided in bottom of the saline storage tank; a first connecting head is fixedly connected to head end of the connecting tube, the connecting tube is also fixedly connected with three connecting cannulas separately through three branch tubes; the puncture needle comprises a needle tube and a second connecting head fixedly

21: 2023/06436. 22: 2023/06/21. 43: 2024/01/09
51: F17C

71: SINOMA SCIENCE AND TECHNOLOGY (SUZHOU) CO., LTD, CHINA NATIONAL BUILDING MATERIAL GROUP CO., LTD.

72: LI, Ming, GUO, Yongzhi, HUANG, Min, KUANG, Huan, YUAN, Zhuowei, JI, Zengxiang

33: CN 31: 202310348358.2 32: 2023-04-03

54: EFFICIENTLY SEALED HIGH-PRESSURE IV-TYPE CYLINDER SEALING STRUCTURE AND PREPARATION PROCESS THEREOF

00: -

Disclosed are an efficiently sealed high-pressure IV-type cylinder sealing structure and a preparation process thereof, where the structure includes a liner, a cylinder valve seat, an end plug and a sealing ring; plane sealing and radial sealing are performed to effectively achieve high-pressure sealing; in consideration of the fluidity of glue, holes are opened on the reinforcing ring to ensure that the glue can flow into a target position; the reinforcing ring is designed and added for the cylinder valve seat to ensure that the plastic at a plane sealing position is not deformed; the requirements only for the flatness and roughness of a plane need to be

met to achieve efficient sealing; for other sealing structures, other requirements for concentricity and the like need to be satisfied; and compared to other sealing structures, the structure of the present invention is simpler and easier to implement.

21: 2023/06463. 22: 2023/06/22. 43: 2024/01/12

51: B01J

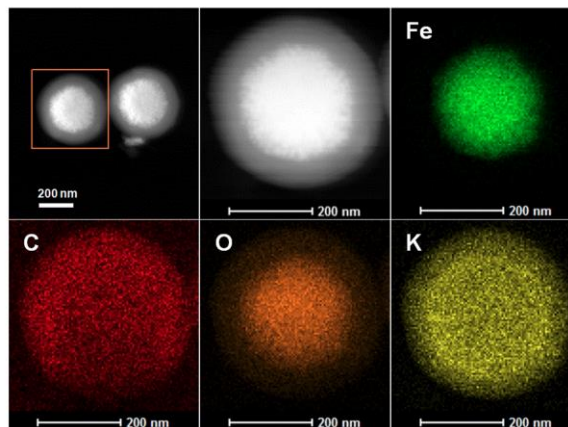
71: XUZHOU VOCATIONAL COLLEGE OF INDUSTRIAL TECHNOLOGY

72: LI Tiantian

54: MAGNETIC SOLID STRONG BASE CATALYST BASED ON POROUS CARBON SHELL LAYER, PREPARATION THEREFOR AND USE THEREOF

00: -

The present invention discloses a magnetic solid strong base catalyst based on a porous carbon shell layer, a preparation therefor and use thereof. The magnetic solid strong base catalyst based on the porous carbon shell layer consists of a magnetic core, the porous carbon shell layer, and a strongly basic active site. The catalyst has a magnetic saturation susceptibility of 1000-150000 e, and the catalyst has a superparamagnetism that can ensure that the catalyst can be quickly separated under the action of an external magnetic field after the catalysis is finished, so that the separation and the regeneration are very convenient. The strongly basic species is introduced from a base precursor, and the mass ratio of the strongly basic species to a support is 0.05-0.02:1. Meanwhile, the coated porous carbon shell layer has a thickness of 50-150 nm, and the coated porous carbon shell layer can be used as a support to avoid the corrosion of strongly basic species to the support and the damage to a pore channel structure. The catalyst can catalyze the reaction of synthesizing dimethyl carbonate by transesterification under mild conditions.



21: 2023/06464. 22: 2023/06/22. 43: 2024/01/12

51: E04B

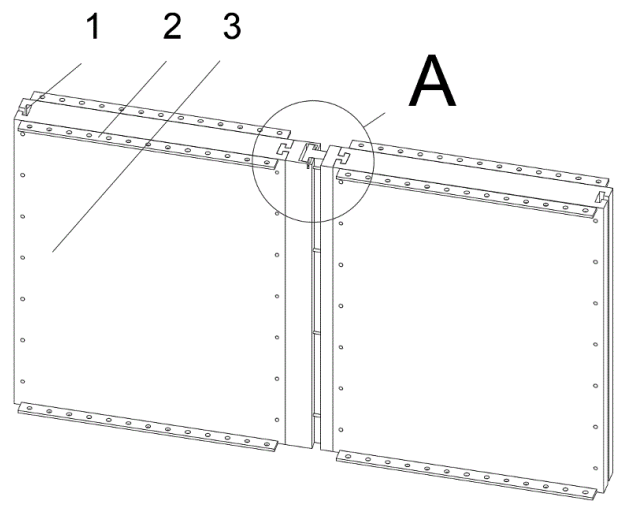
71: CHINA CONSTRUCTION FIFTH DIVISION SOUTHERN CONSTRUCTION SUBSIDIARY CORP., LTD

72: LIU, Yanghua, HUANG, Liang, Wang, Qianhong, LU, Hao, WU, Jianan, WANG, Lei, ZHAO, Jiehong, CHEN, Yingqiang, LIU, Wei, CHEN, Dexiong, CHEN, Long, FAN, Lixiong

54: A BUILDING ENERGY-SAVING WALL

00: -

The present invention discloses a building energy-saving wall, which relates to the technical field of construction engineering and comprises a wall module; wherein, the upper and lower ends of the wall module are provided with an end fixing plate, a plurality of mounting holes are provided in said end fixing plate, the end fixing plate at the middle bottom part of the upper wall module is matched with the end fixing plate at the middle top part of the lower wall module and they cooperate mutually through the mounting holes; The two sides of the said wall module are provided with an embedding assembly, the adjacent wall modules at the same layer are connected through the embedding assembly. Through the setting of the present invention, a building energy-saving wall that is easy to disassemble and assemble, saves traditional construction materials and can be recycled is proposed.



21: 2023/06465. 22: 2023/06/22. 43: 2024/01/12
51: A61K

71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY

72: LIU, Lianxin, LIU, Yu, CHEN, Jing, LIU, Xuan, DONG, Limin, HE, Yan, SHI, Guangxia

54: PREPARATION METHOD FOR TIPIRACIL HYDROCHLORIDE

00: -

The present invention belongs to the technical field of pharmaceutical synthesis, and discloses a preparation method for tipiracil hydrochloride. The preparation method of the present invention comprises the following steps: mixing a raw material 1, dichloromethane, pyridine and thionyl chloride, and performing chlorination reaction to obtain a compound 1; mixing the compound 1, anhydrous methanol, a raw material 2 and DBU, and performing reflux reaction to obtain a compound 2; mixing the compound 2 with hydrochloric acid and filtering, adding hydrochloric acid, and crystallizing and filtering to obtain a crude product; and mixing the crude product with water and filtering, adding hydrochloric acid, and crystallizing and filter the mixture to obtain the tipiracil hydrochloride. The above preparation method greatly improves the preparation efficiency of the tipiracil hydrochloride.

21: 2023/06466. 22: 2023/06/22. 43: 2024/01/12
51: A61B

71: FUZHOU UNIVERSITY, FUJIAN MEDICAL UNIVERSITY UNION HOSPITAL

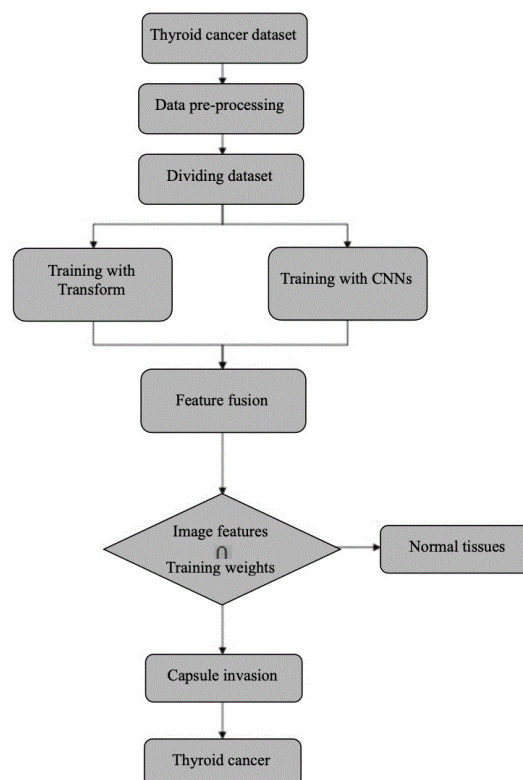
72: TONG, Tong

33: CN 31: 202310554269.3 32: 2023-05-17

54: A METHOD FOR INTELLIGENT ASSISTED INTERPRETATION OF THYROID CAPSULE INVASION

00: -

The invention relates to a method for intelligent assisted interpretation of thyroid capsule invasion. This method mainly uses a biomedical image segmentation method that provides efficient local-global fusion with Transformer and CNN parallel networks, as proposed in this research. The model put forward in this research is easy to use. If the thyroid ultrasound image is input, an image with location and segmentation of suspected thyroid nodule can be output and preliminary interpretation results can be obtained automatically, all of which can greatly reduce the reading time and diagnosis difficulties of doctors, improving the work efficiency. This plays a positive role in judging the prognosis of patients with thyroid nodules and improving the treatment, and also has very important significance and vast prospects.



21: 2023/06469. 22: 2023/06/22. 43: 2024/01/12
51: A01G

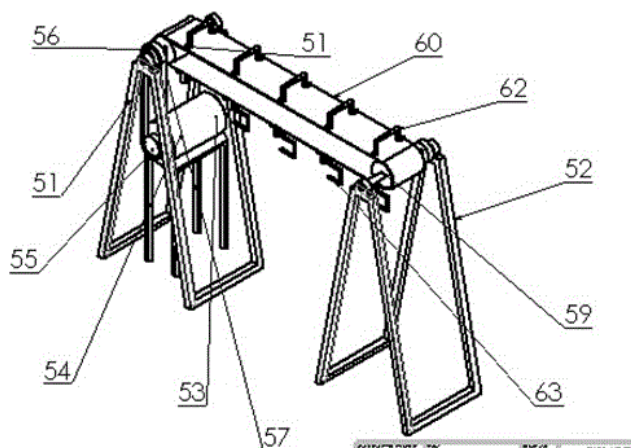
71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

72: DINESH Sundaresan, KARANPRASATH Saravanan, MOHAMED IBRAHIM Settu, AATHITHYAN Sivanandham, DEEPAK Dhanapal

54: BANANA BUNCH TRANSPORTER

00: -

The present invention discloses a banana bunch transporter (50) for carrying the banana bunch from the agricultural land to roadsides by means of a conveyor system. The banana bunch transporter comprises an electric motor for providing the rotary motion. The conveyor (60) is having two ends which configured to transport the banana bunch from the agricultural field to destination point. The plurality of hooks (63) configured to attach the banana bunch over the clamps by inserting the sharp edge inside the bunch to hang over the clamp. The triangular shaped frames (51 & 52) are configured to adjust the ground clearance by changing the position manually. The present invention (50) will help to transport the banana bunch from the agricultural field to roadways in an effective manner.



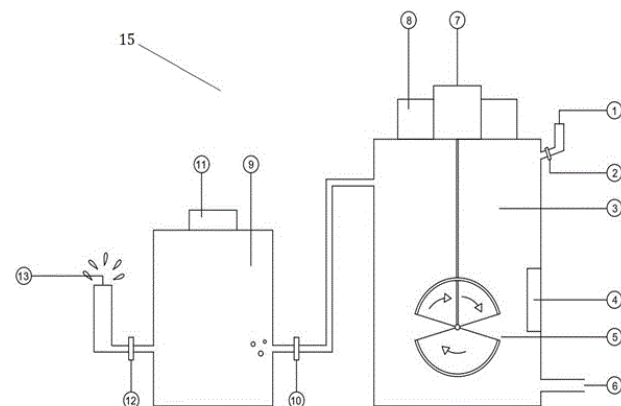
21: 2023/06470. 22: 2023/06/22. 43: 2024/01/12
 51: C02F
 71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
 72: Dr SREELAL Gurusamy Pandian, SAYEED ANWAR Mohamed Tajudeen, ARUL SIDHARTH Tamilarasan, FLORENCE GLAUDIA Jeyaraj, SANJITH PRANAV Rajendran, SUDHARSHAN Venkatesh Kumar, DHINESH RAJA Paul Raj, VARUNIKKA Ravi, JEMINA Irudhayaraj, Dr Sujatha Sivarethinamohan

54: A SYSTEM FOR CONVERTING THE AGRICULTURAL WASTES INTO BIOGAS

00: -

The present invention discloses a system for production of bio gas and fertilizers form the

agricultural wastes. The system (15) converts the organic waste into biogas and organic fertilizer through conversion process. The system comprises an inlet pipe (1) to provide agro waste, a stopper (2) in the inlet pipe to stop the flow of oxygen and make the chamber anaerobic, a cylindrical vessel (3), a temperature sensor (4) to maintain a constant temperature, an agitator (5) to rotate the waste, a sludge outlet pipe (6) to remove sediments, a motor (7) to prevent the waste from settling, a vessel cap (8) to close openings and make it anaerobic, a storage cylinder (9) to store the biogas, a stopper in the outlet pipe (10) to stop the flow of gas, a storage cylinder cap (11) to prevent leakage of biogas, a storage cylinder's stopper (12) to stop the flow of gas from cylinder to outlet port, and a biogas outlet port (13) to take out the biogas. The present invention will increase the utilization of agricultural waste in an effective manner.



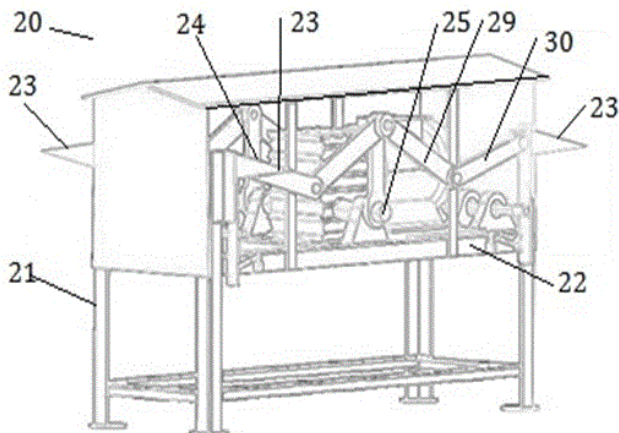
21: 2023/06471. 22: 2023/06/22. 43: 2024/01/12
 51: A23N
 71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING

54: SEMI-AUTOMATED COCONUT HUSK PEELER MACHINE

00: -

The present invention discloses a semi-automated coconut husk peeler machine. The machine comprises a bed (21) with four legs (21), an electric motor (26) driven drive shaft (25), fixed knives (23) and reciprocating knives (24) for peeling, and a spring (28) loaded Plummer blocks (27) that guides the reciprocating knife (24) horizontally. The

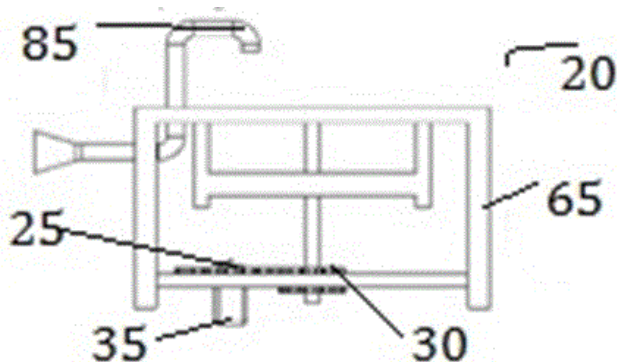
reciprocating motion of the knife is synchronized with the rotation of the drive axle (25) for optimum performance. The reciprocating movement of the knives are peeling the husk of coconuts while placing the coconuts manually. The Semi-Automatic Coconut peeler machine (20) is designed to efficiently and consistently peel coconut husks for the small and medium-sized coconut processing industries.



21: 2023/06472. 22: 2023/06/22. 43: 2024/01/12
 51: B67C
 71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
 72: RAM KUMAR RAJAGOPAL, SAKTHIVEL VELMANI, SAKTHIVEL MURUGAN, SANTHOSH KUMAR AYALRAJ, SREERAMAN THANGARAJ
54: PORTABLE LIQUID FILLING MACHINE

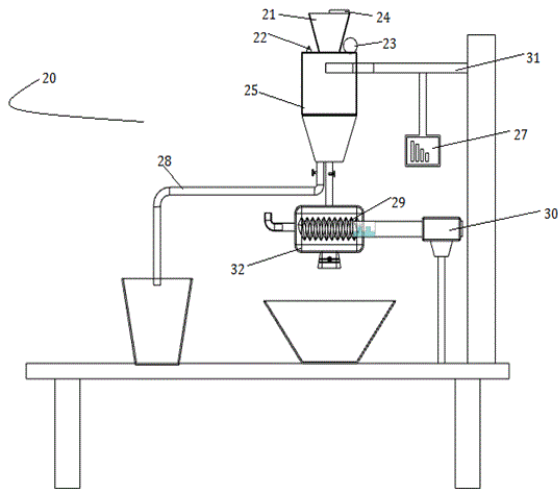
00: -
 The present invention discloses a portable machine (20) for filling the liquid in a container/glass at a predefined level automatically. The portable liquid filling machine comprises a frame, disc, sensor unit, dispenser unit and a control unit. The disc (50) is rotatably connected to a motor for positioning the glasses and to receive the liquid from the delivery head. The sensor unit (70) detects the presence of the container by means of an ultrasonic sensor. The dispenser unit comprises a delivery head (85) configured to dispense the liquid on the containers in a controlled manner using the submersible motor. The control unit (80) includes an arduino (40) configured to deliver the liquid through the delivery head to container by means of predefined instructions at the regular intervals. The present invention (20) will fill the fluid automatically in a

hygienic controlled manner without wasting the liquid.



21: 2023/06473. 22: 2023/06/22. 43: 2024/01/12
 51: B01J
 71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
 72: SANTHOSH KUMAR Marimuthu, BHARATH Gnanavel, Dr AVUDAIAPPAN Tharmiah, DEENA ROSE Devasahayam, MURUGAVALLI Sanglimuthu, ARAVIND PRASAD Baskaran
54: A CHEMICAL MIXING MACHINE FOR PREVENTING THE FIRE ACCIDENTS IN CRACKER INDUSTRY

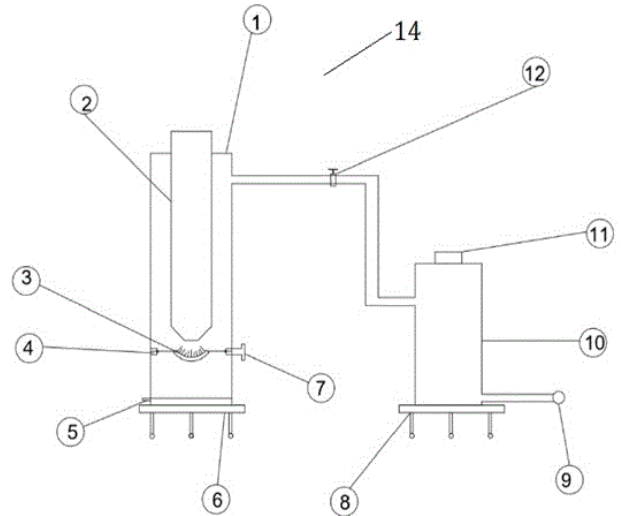
00: -
 The present invention discloses a chemical mixing machine (20) for preventing the fire accidents in cracker industries due to improper mixing of chemicals. The machine comprises a container, sensing unit, an arduino, mixing unit and an outlet port. The container (25) configured to store the chemicals for measuring the temperature, quantity and odour levels by means of the sensor unit's temperature sensor (24), level sensor (23) and odour sensor (22). The sensors detect the deviated values to alert the workers through the arduino instruction. The proper quantity of chemical are mixed inside the mixing unit (32) to produce the quality crackers with the help of water pipe. The present invention will reduce the accidents due to improper mixing of chemicals in the cracker and chemical industries in an effective manner.



21: 2023/06474. 22: 2023/06/22. 43: 2024/01/12
 51: C08J
 71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
 72: Dr SREELAL Gurusamy Pandian, SAYEED ANWAR Mohamed Tajudeen, ARUL SIDHARTH Tamilarasan, FLORENCE GLAUDIA Jeyaraj, SANJITH PRANAV Rajendran, SUDHARSHAN Venkatesh Kumar, DHINESH RAJA Paul Raj, MIRUDHULA Mohan, PON SWEATHA Srinivasan, SHIVANI Sureshkumar

54: SYSTEM FOR GENERATING CARBON MONOXIDE GAS FROM SANITARY NAPKINS

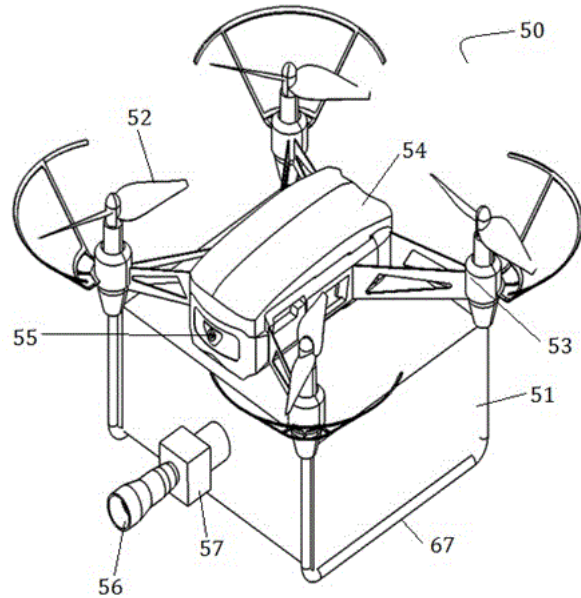
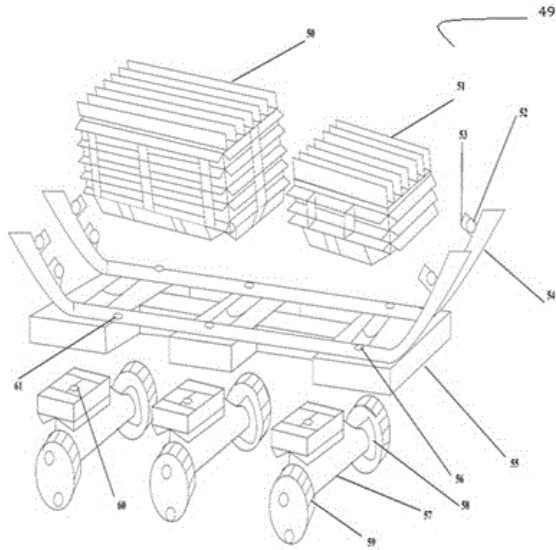
00: -
 The present invention discloses a system for generating carbon monoxide gas using sanitary napkins. The system (14) comprises a gas chamber (1), feeder chamber (2), shaker assembly (3), purifying chamber (10) and a storage unit. The gas chamber (1) is configured to collect the gas produced by the feeder chamber (2). The system produces carbon monoxide due to the partial combustion of sanitary napkins. The shaker chamber comprises a fixed shaker assembly holder which is provided to collect the wastes from the feed chamber as well as shake the feed chamber by means of moveable shaker assembly holder. An ash tray (5) is configured to collect the waste produced from the feeder chamber while producing the carbon monoxide gas due to partial combustion. The storage unit (13) comprises a purifying chamber configured to purify the produced gas from the feeder chamber for removing the tar content to reduce the pollution.



21: 2023/06475. 22: 2023/06/22. 43: 2024/01/12
 51: B62D
 71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING
 72: SUSWIN GANESH Ramesh, RAJAGOAPALAN Sankaranarayanan, GABRIEL SANTHOSH KUMAR Immanuel Gunaseelan, Dr TITUS Sigamani

54: AN EXTERNAL DRIVE SYSTEM FOR TWO WHEELER VEHICLE

00: -
 The present invention discloses an external drive system for two wheeler vehicle (49). The system comprises a chassis (54) with clamps for detachably mounting between the wheels of the vehicle. The system further comprises at least three sets of electric wheels, a suspension unit (65), heat sink (50), a switching unit (66), a charging unit (67) and a power control unit (68). The system (49) can operate in different modes such as fuel-powered, battery-powered and regenerative battery-powered. The vehicle's speed can be controlled by the user via a handle bar knob, and the power control unit (68) speed and driving mode. The system (49) is easy to install and remove from the vehicle. The present invention reduces the pollution by the external drive of fuel-powered two-wheeled vehicles and increases their energy efficiency through regenerative battery operation.



21: 2023/06476. 22: 2023/06/22. 43: 2024/01/12
 51: G06F
 71: K.RAMAKRISHNAN COLLEGE OF ENGINEERING

72: SABRESHWAR Subramanian, RAVEENDHRAN Mahendran, PRAKASH Balachandran

54: VIRTUAL REALITY BASED DRONE DRIVEN PAINTING AND INSPECTION SYSTEM

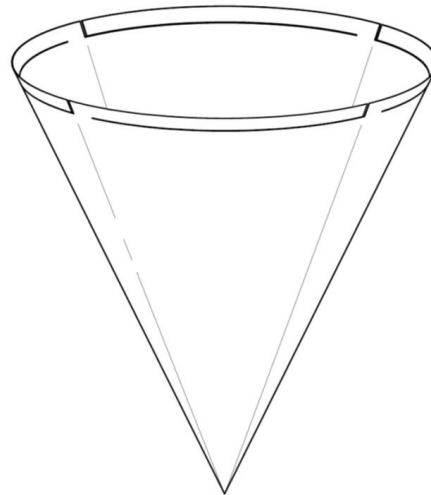
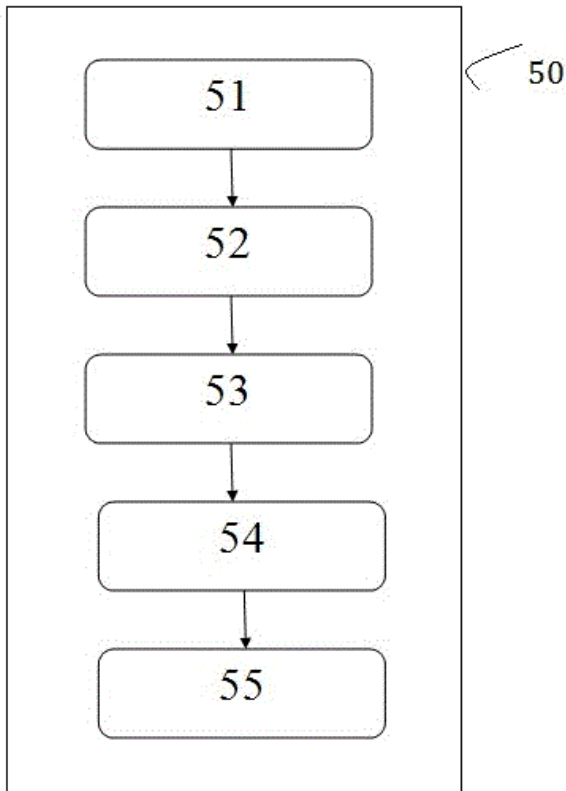
00: -
 The present invention discloses a virtual reality based drone driven system (50) for painting and inspection of wall/turbine blades using the remote control or autonomous mode. The system comprises a microcontroller, drone, virtual reality head mount, painting unit, inspection unit and a control unit. The drone (51) includes plurality of wings which is operable by the brushless motor (53) to propel the system. The virtual reality head mount (54) is configured to detect the information using the camera and transfers the information to goggle (62) with VR headset (70) by means of transmitter and receiver. The painting unit is provided for spraying the paint at high velocity using the nozzle and compressor. The inspection unit (73) is identifying the walls/turbine blades information using the camera view and microcontroller instruction. The control unit (72) is operating the system by means of speed controller and motion tracking system. The virtual reality based system (50) will spray the paint and inspect the instructed part in an effective manner.

21: 2023/06477. 22: 2023/06/22. 43: 2024/01/12
 51: G05B
 71: K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY

72: Dr Kavitha Maruthai, Devisri Balasubramanian, Anju Anil Jalaja

54: SYSTEM FOR CHILD MONITORING AND METHOD THEREOF

00: -
 The present invention discloses a system and method for monitoring the child from the abnormal positions. The system (50) comprises a plurality of cameras (51) configured to capture the videos continuously in the desired locations. The conversion unit (52) is converting the videos from the camera to frame points for detecting the one or more positional parameters. The processing unit (53) is configured to generate the key point of skeleton from the frame points for identifying the current position of the infant/child. The comparison unit (54) is comparing the predefined skeleton model with the frame points to identify the deviation using a processor instruction. The Internet of Things module (55) is configured to send the abnormal position of the child to one or more users for alerting to safeguard the infant/child. The present invention will help to prevent the abnormal position of the child/infant in the hospitals/bedrooms in an effective manner.



21: 2023/06478. 22: 2023/06/22. 43: 2024/01/17
 51: A47J
 71: THORNE, LIONEL WAYNE BRITTANICUS
 72: THORNE, LIONEL WAYNE BRITTANICUS
54: NOVEL FILTER DESIGN FOR USE IN COFFEE MACHINES AND FRYING OIL FILTRATION
 00: -
 The present invention discloses a novel filter design applicable to both coffee machines and frying oil filtration systems. The filter comprises a conical-shaped filter body with one or more cutouts or strips at the top section, allowing for secure fastening to a housing structure. The design provides enhanced stability, prevents collapse or deformation, and improves filtration efficiency in both applications. The filter system is versatile, accommodating various filter materials suitable for coffee filtration or frying oil filtration. Additionally, a retrofitting method is provided to modify existing filters and incorporate the novel design, offering cost-effective solutions for filter improvement.

21: 2023/06502. 22: 2023/06/23. 43: 2024/01/12
 51: B05B
 71: NORAM ENGINEERING AND CONSTRUCTORS LTD.

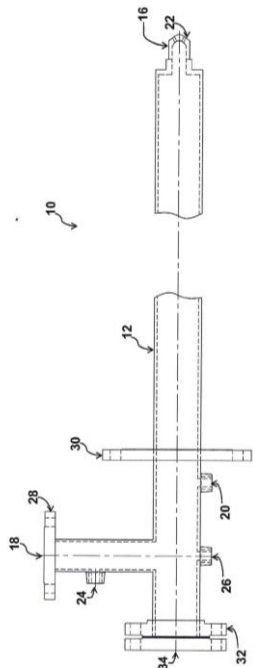
72: VANMUYEN, Arie, LONDRY, Neal, CRANE, Robert

33: US 31: 18/203544 32: 2023-05-30

54: SPRAY GUN WITH ADJUSTABLE ATOMIZER AND REMOVABLE NOZZLE BODY

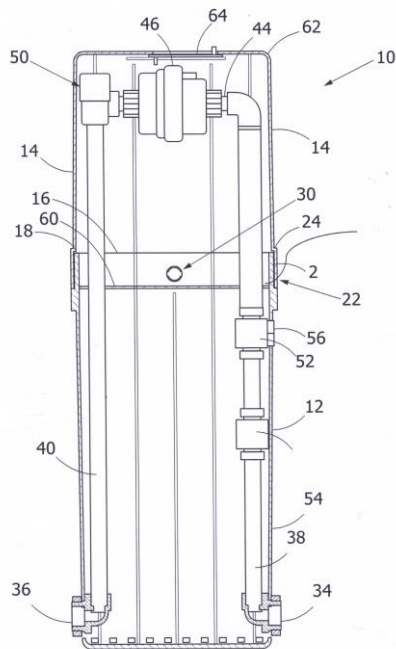
00: -

A spray gun assembly for atomizing a liquid by directing flows of the liquid and a pressurized atomizing gas into an internal mixing chamber. The atomizing fluid is driven through narrow passages in a nozzle body, increasing the fluid's velocity before entering a mixing chamber in the nozzle body, where it breaks up the liquid into fine droplets before the mixture is discharged from a nozzle tip as a fine mist spray. Temperature control is done by feeding a heat transfer fluid such as steam into a flow passage between the passages for the liquid and atomizing fluid, running along the length of the assembly lance. The device is used for atomizing a liquid into finely dispersed droplets, for example as a sulfur gun for the generation of sulfur dioxide in a sulfur combustion furnace.



21: 2023/06506. 22: 2023/06/23. 43: 2024/01/12
 51: E03B
 71: WET WATER DISTRIBUTION CC
 72: MUTHUSAMY, Loganathan
 33: ZA 31: 2022/08767 32: 2022-08-05
54: WATER MANAGEMENT SYSTEM
 00: -

An above-ground box, which includes an integral lower body, an inlet to the body and an outlet from the body at a lower end of the body which is connected to a water meter for use in a water management system.



21: 2023/06544. 22: 2023/06/26. 43: 2024/01/12
 51: A23K
 71: Guangxi Aoguyuan Ecological Agricultural Technology Co., Ltd.
 72: ZHAN, Yonggong, GAO, Jianjun
54: FEED ADDITIVE FOR POULTRY AND APPLICATION THEREOF
 00: -

The present disclosure provides a feed additive for poultry and applications thereof, and relates to the field of poultry breeding. The present disclosure provides a feed additive for poultry. By using the feed additive provided herein, the use of antibiotics can be reduced, the activity of SOD can be increased, the disease resistance and survival rate of poultry can be enhanced, and the probability of disease can be reduced.

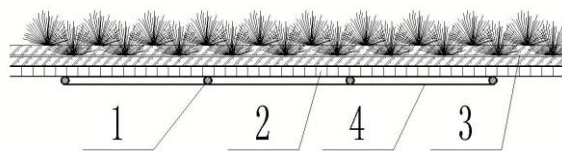
21: 2023/06545. 22: 2023/06/26. 43: 2024/01/12
 51: C12N
 71: Hunan Ogu Biotechnology Co., Ltd.
 72: ZHAN, Yonggong, GAO, Jianjun
54: METHOD FOR EXTRACTING SUPEROXIDE DISMUTASE FROM PLANTS
 00: -

The present disclosure relates to a method for extracting superoxide dismutase from plants. The method specifically comprises: mixing plant slurry with NaCl solution containing metal ions, adjusting the pH to 8.5-9, heating the obtained mixed solution

and cooling to obtain heat-denatured plant slurry; carrying out solid liquid separation of the heat-denatured plant slurry, and freezing the clear liquid obtained after separation to become a frozen solid; washing the frozen solid to obtain a washed solution, i.e. a concentrated solution of superoxide dismutase; adding the concentrated solution to the chloroform-alcohol mixed solution, then adding acetone, and then separating a precipitate, and freeze-drying the precipitate to obtain a dry powder of superoxide dismutase. The method of the present disclosure not only reduces the steps of solid-liquid separation and reduces the cost, but also improves the efficiency of extraction and separation; and the activity retention rate of the superoxide dismutase is also high.

21: 2023/06546. 22: 2023/06/26. 43: 2024/01/12
 51: E02D
 71: Institute of Geological Hazards Prevention, Gansu Academy of Sciences
 72: ZHOU Ziqiang, LIU Tao, ZHANG Guoxin, JIA Xuemei, TANG Jiakai, BAI Xiaohua, WANG Yunxing
 33: CN 31: 2023106336829 32: 2023-05-31
54: ECOLOGICAL RESTORATION UNIT, RESTORATION SYSTEM AND CONSTRUCTION METHOD FOR HIGH-STEEP ROCK SLOPES
 00: -

The invention discloses an ecological restoration unit, a restoration system and a construction method of high-steep rock slopes, which comprises a support part transversely arranged on a slope surface, wherein the support part comprises a plurality of anchor rods which are arranged on the slope surface at intervals, and one end of each anchor rod is obliquely fixed in the slope surface; the other end of the anchor rod is exposed from the slope to form a receiving groove, the bottom of the receiving groove is provided with a plurality of receiving pieces, and a plurality of bamboo frame plates are arranged in the receiving groove, and the bamboo frame plates are bound on the anchor rod, and a plurality of planting bags are arranged on the bamboo frame plates. The restoration system consists of a plurality of restoration units arranged vertically at intervals along the slope. The invention can overcome the shortcomings of the prior art and enhance the ecological restoration effect of the bare rock slope with high slope and high slope height.



21: 2023/06547. 22: 2023/06/26. 43: 2024/01/12
 51: C12N
 71: SHANDONG BUSINESS INSTITUTE
 72: LI Guixia, HUANG Congcong, ZHAO Qiang, ZHOU Yi, YI Xiaoli, ZHANG Yuqi

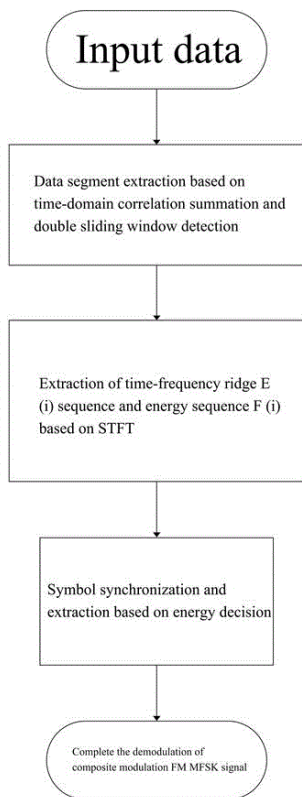
54: LOW-TEMPERATURE LIPASE AND PRODUCTION METHOD THEREOF

00: -
 The invention discloses a low-temperature lipase and a production method thereof, and belonging to the technical field of microbial fermentation. The invention comprises the following steps: inoculating activated Trichosporon budding yeast to an enzyme-producing culture medium for fermentation, centrifuging the obtained fermentation liquid after fermentation, and taking supernatant to obtain low-temperature lipase; the enzyme production culture medium is made of plant starch and molasses as carbon sources and yeast extract as nitrogen source. The low-temperature lipase obtained by the production method of the invention has a wide range of pH and temperature tolerance, can also maintain 60% of enzyme activity at low temperature for 1 day, has good low-temperature preservation resistance activity, can be widely used in low-temperature industrial production, significantly expands the industrial application range of lipase, and improves the application value of lipase.

21: 2023/06548. 22: 2023/06/26. 43: 2024/01/12
 51: H04L
 71: Jiaxing Vocational & Technical College
 72: Chunfang Gao, Xiaoji Wei, Weifeng Meng, Shengyu Xie, Xinjie Fu, Yun Pan
54: A BLIND DEMODULATION METHOD OF SHORT-TIME BURST FM-MFSK COMPOSITE MODULATION SIGNAL BASED ON STFT
 00: -

The invention discloses a blind demodulation method of short-time burst FM-MFSK composite modulation signal based on STFT. It mainly solves the problem of high bit error rate (BER) in the demodulation of FM-MFSK signals with short bursts

and low signal-to-noise ratio (SNR), and it is very difficult to determine the data symbol. The method comprises the following steps: 1) extracting a data segment using a detection algorithm for short-time burst signal based on correlation sum $s'(k)$; 2) extracting a time-frequency ridge sequence $F(i)$ and an energy sequence $E(i)$ based on STFT; 3) synchronizing and extracting a code element based on energy decision for acquiring a time-frequency ridge sequence $F(i)$ and an energy sequence $E(i)$; and 4) completing demodulation of a short-time burst composite modulation FM-MFSK signal. On the premise of low SNR and open-loop demodulation, the invention realizes the demodulation work of FM-MFSK type signal of short-time burst composite modulation, effectively reduces the error rate, provides a strong guarantee for the smooth development of the subsequent decoding and decoding work, and can be used in the integrated communication reconnaissance system.



21: 2023/06549. 22: 2023/06/26. 43: 2024/01/18
 51: A01C; C05F
 71: SMARTROOTS (PTY) LTD

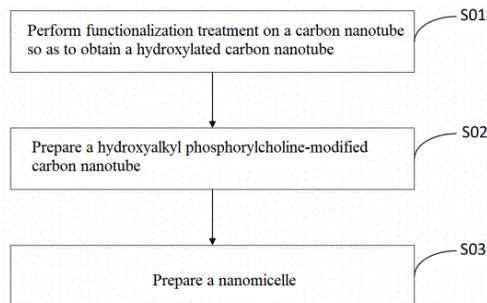
72: NGQINAMBI, Nkululeko
 33: ZA 31: 2022/07072 32: 2022-06-27
54: MYCORRHIZAE-BASED BIO-FERTILISERS
 00: -

Granular bio-fertiliser products of arbuscular mycorrhizal fungi (AMF) are prepared by adsorbing the AMF into capillaries in activated carbon. The bio-fertiliser products are manufactured by forming an aqueous solution of AMF, wetting fine granular activated carbon with the solution to impregnate capillaries of the carbon, and granulating the wet carbon to form granules.

21: 2023/06550. 22: 2023/06/26. 43: 2024/01/12
 51: A61K

71: Hebei Chemical and Pharmaceutical College
 72: WANG, Bingbing
54: TUMOR-TARGETED NANOMICELLE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF AS DRUG CARRIER
 00: -

Disclosed in the present invention are a tumor-targeted nanomicelle, a preparation method therefor, and application thereof as a drug carrier. The nanomicelle takes a carbon nanotube as a basic skeleton, and a surface of the carbon nanotube is modified by hydroxyalkyl phosphorylcholine. According to the present invention, the biocompatibility and stability of the nanomicelle can be improved, and adsorption of the nanomicelle to plasma proteins can be reduced. Since distribution of phospholipid substances in vivo is usually concentrated on tumor tissue, the tumor-targeted nanomicelle can better target tumor cells, drug carrying capacity and a drug release effect of drugs are improved, and therefore, a therapeutic effect is improved.



21: 2023/06551. 22: 2023/06/26. 43: 2024/01/12
 51: H04N

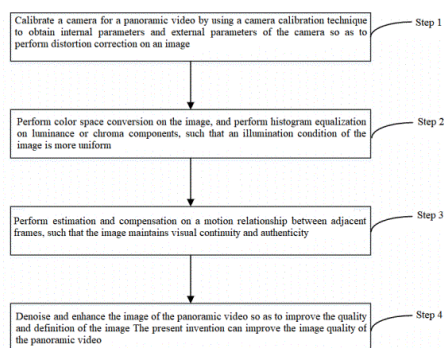
71: Hebei Chemical and Pharmaceutical College

72: ZHANG, Fan

54: IMAGE PROCESSING METHOD FOR PANORAMIC VIDEO

00: -

Disclosed in the present invention is an image processing method for a panoramic video. The method includes: step 1: calibrating a camera for the panoramic video by using a camera calibration technique to obtain internal parameters and external parameters of the camera so as to perform distortion correction on an image; step 2: performing color space conversion on the image, and performing histogram equalization on luminance or chroma components, such that an illumination condition of the image is more uniform; step 3: performing estimation and compensation on a motion relationship between adjacent frames, such that the image maintains visual continuity and authenticity; and step 4: denoising and enhancing the image of the panoramic video so as to improve the quality and definition of the image. The present invention can improve the image quality of the panoramic video.



21: 2023/06552. 22: 2023/06/26. 43: 2024/01/12

51: B01D

71: Qingdao Huicheng Environmental Protection Technology Group Co., Ltd.

72: LIU Tiantian, WANG Guogang, LIN Han, ZHANG Xingong, WANG Zhennan, GUO Ming, ZHANG Jinqing, ZHANG Xiaojia, ZHAO Jie

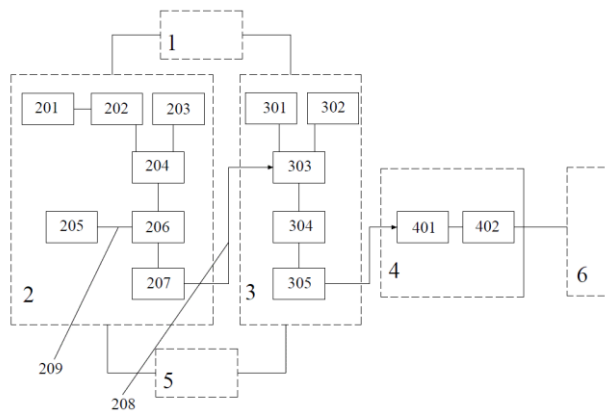
33: CN 31: 2022115898286 32: 2022-12-12

54: INDUSTRIAL FLUE GAS DENITRIFICATION DEVICE BASED ON PNEUMATIC CONVEYING

00: -

The present invention relates to an industrial flue gas denitrification device based on pneumatic conveying, which includes a gas supply system, a dosing system, a spray system, a spray pipeline, and a PLC process control system. The gas supply

system provides dry and stable compressed gas for the entire device. The dosing system is connected to the spray system, and the spray system is connected to the spray pipeline. Compressed gas is injected into the dosing system and the spray system. The denitration agent particles are conveyed and stored in the denitration agent storage tank through the dosing system, and then conveyed and stored in the spray system through pneumatic conveying. They are sprayed into the denitration waiting flue through the spray pipeline. The PLC process control system is programmed, processes switch and analog signals, and issues control signals to keep the device in normal working condition. The present invention achieves the goal of spraying trace amounts of denitration agent particles into the flue after long-distance conveying for denitration, and can achieve continuous dosing and spraying, with adjustable spraying amount and uniform discharge from each spray gun.



21: 2023/06553. 22: 2023/06/26. 43: 2024/01/12

51: D03D

71: Yancheng Polytechnic College

72: ZHOU Hongtao, SONG Qiuxia, WANG Ke, WU Yinfei, ZHOU Bin, FAN Lishan

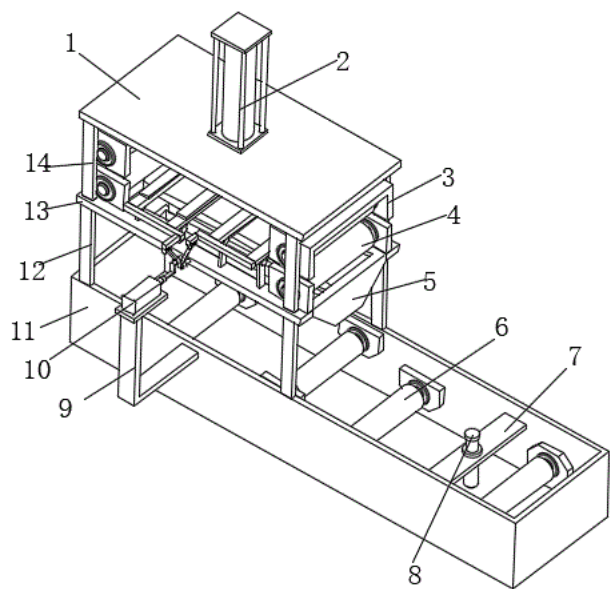
33: CN 31: 202310027285.7 32: 2023-01-09

54: METHOD AND DEVICE FOR MANUFACTURING FLAME-RETARDANT AND ANTIBACTERIAL TEXTILES

00: -

The invention relates to the technical field of textile manufacturing, in particular to a device for manufacturing flame-retardant and antibacterial textiles, which comprises a flame-retardant and antibacterial coating storage box, wherein two support plates arranged in parallel are arranged above the flame-retardant and antibacterial coating

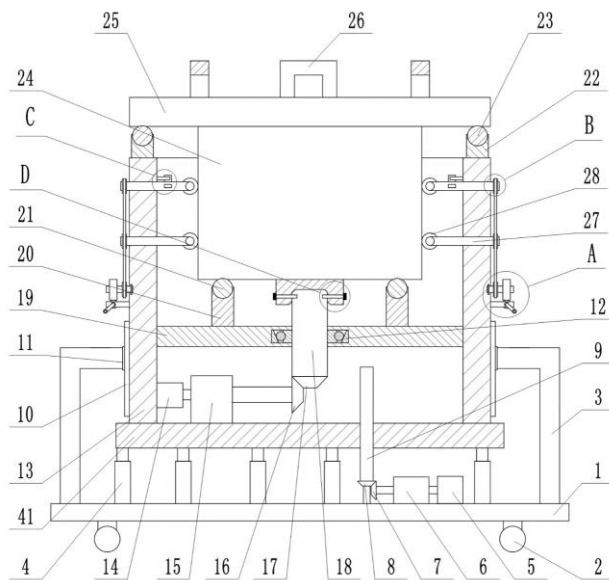
storage box; a plurality of first support rods are installed between the bottoms of the two support plates and the flame-retardant and antibacterial coating storage box through screws; a plurality of first beating plates and a plurality of second beating plates are arranged above the two support plates, and the first beating plates are located below the second beating plates. In this scheme, the flame-retardant and antibacterial coating is poured into the flame-retardant and antibacterial coating storage box, and as the textile is pulled by the winding mechanism in the prior art, the textile will be immersed in the flame-retardant and antibacterial coating and move. Compared with the way of coating one side of the textile in the prior art, the scheme simultaneously coats both sides of the textile, thus improving the efficiency of textile coating.



21: 2023/06554. 22: 2023/06/26. 43: 2024/01/12
 51: C30B
 71: Henan University of Urban Construction
 72: XU Longyun, ZHANG Xiaoting, ZHANG Zhiyuan, LIU Conghe, XU Kaidong, WANG Jina, LI Zhixin, LI Qingxiao, XUE Kaiwang, ZHANG Hongchi
54: TRANSMISSION DEVICE OF CRUCIBLE FOR CRYSTAL GROWTH

00: -
 The invention disclose a transmission device of crucible for crystal growth, which comprises a second bottom plate, wherein a shell is fixedly installed at that top end of the second bottom plate;

a rotating mechanism is arranged in the shell; a crucible is detachably mounted on the rotating mechanism; a top cover is detachably installed at the top end of the crucible; a plurality of groups of limiting mechanisms are installed on the side wall of the shell along the circumferential direction; the limiting mechanism is in sliding fit with the side wall of the crucible; the limiting mechanism is located above the rotating mechanism; a first bottom plate is arranged below the second bottom plate; the top end of the first bottom plate is provided with a lifting mechanism; the lifting mechanism is in sliding fit with the shell, and the lifting mechanism is in threaded fit with the second bottom plate; the invention can conveniently realize the rotation and lifting of the crucible and reduce the labor cost.



21: 2023/06567. 22: 2023/06/26. 43: 2024/01/18
 51: C12N; C12R
 71: BIOBAB R&D, S.L.
 72: GUTIERREZ ALBANCHEZ, Enrique, HORCHE TRUEBA, Ignacio, LUCAS GARCA, Jose Antonio, RAMOS SOLANO, Beatriz, GUTIERREZ MAÑERO, Francisco Javier
 33: ES 31: P202031185 32: 2020-11-26
54: PSEUDOMONAS PALMENSIS BBB001 STIMULATOR OF PLANT ADAPTIVE METABOLISM AGAINST ABIOTIC STRESS AND ENHANCER OF MINERAL NUTRITION
 00: -
 Bacterial strain Pseudomonas palmensis BBB001, microorganism of the gram-negative group of bacteria, genus Pseudomonas, stimulator of plant

adaptive metabolism against abiotic stress and enhancer of plant nutrition in iron and other nutrients. This strain, isolated from the rhizosphere of *Nicotiana glauca*, has been characterised from a morphological, biochemical and genetic standpoint by whole-genome sequencing, being identified as a new species, reduces oxidative stress in plants, inducing higher production and improved adaptation to abiotic stress conditions; for example, due to lack of water or high salinity, such that it can be used, alone or in combination with other strains, to increase plant fitness in plant species of agronomic food interest. Furthermore, since it is capable of enhancing iron, phosphorus and potassium nutrition, it can also be used as a biofertiliser, both in organic and conventional agriculture.

21: 2023/06578. 22: 2023/06/26. 43: 2024/01/18
51: A61M

71: HOLLIDAY, Daniel Mark

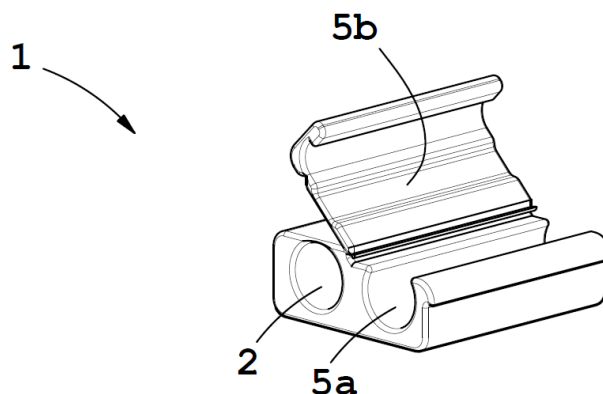
72: HOLLIDAY, Daniel Mark

33: ZA 31: 2020/07368 32: 2020-11-26

54: INTRAVENOUS INFUSION SET AND ACCESSORY THEREFOR

00: -

This invention relates to an intravenous infusion set and accessory for an intravenous infusion. There is provided an accessory for securing an intravenous infusion set to at least part of a user's forearm arm including primary engagement means (2) for engaging the accessory to a portion of a main intravenous line (3) and secondary engagement means 5 for simultaneously engaging the intravenous line (3) to another portion along the line (3). The primary engagement means (2) is displaceable along the line 3 such the position of the accessory (1) may be adjusted along the length of the line (3) and encloses the periphery of the line (3). The primary (2) and secondary (5) engagement means are proximate such that, operatively, when the secondary engagement means (5) engages the line (3), the line (3) forms a loop (6) which may be positioned to engage at least part of the user's forearm.



21: 2023/06584. 22: 2023/06/27. 43: 2024/01/12
51: C04B

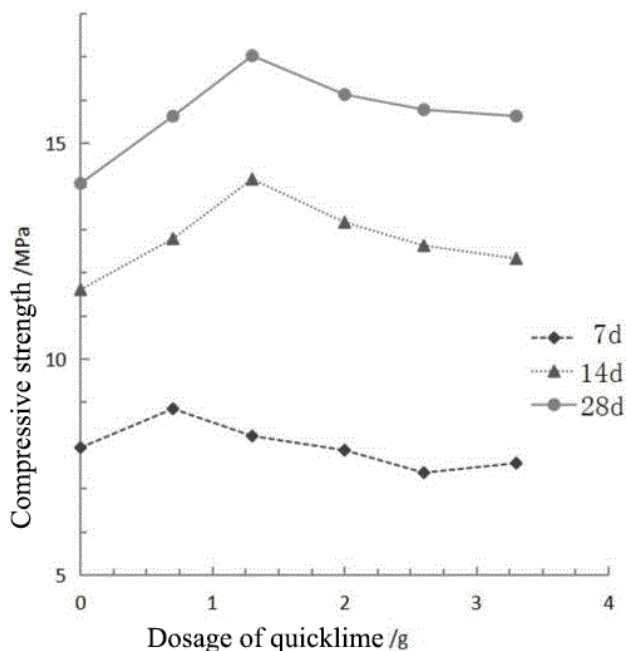
71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY

72: LI Xingzhen, CHENG Cheng, LI Kuo, LIU Nianru, LIU Liwei

54: LIGHTWEIGHT HIGH-STRENGTH GYPSUM-BASED SPRAYING MORTAR AND PREPARATION METHOD THEREOF

00: -

The invention provides a lightweight high-strength gypsum-based spraying mortar and a preparation method thereof, which comprises the following raw materials in parts by weight: 60-70 parts of phosphogypsum, 0.8-1.2 parts of quicklime, 6-15 parts of sepiolite/fly ash composite modified material, 6-15 parts of portland cement, 0.8-1.5 parts of aluminum dihydrogen phosphate, 1-5 parts of quartz sand and 0.1-0.2 part of sodium citrate, 3-9 parts of polycarboxylic acid water reducer and 6-15 parts of Welan gum. In the invention, the surface of phosphogypsum is modified by quicklime to improve the waterproof performance; it can also prolong the setting time and mechanical properties of the matrix material to meet the construction requirements. By adding sepiolite/fly ash composite modified material, portland cement, aluminum dihydrogen phosphate and sodium citrate, the activity is stimulated in the process of hydration reaction to form a cementitious material and improve the later strength.



21: 2023/06585. 22: 2023/06/27. 43: 2024/01/12
 51: C12N
 71: Anhui Polytechnic University
 72: LIU Yan, WU Jing, HU Liuxiu, XUE Zhenglian, HUANG Junbao, HUANG Xilin, GAO Xuli, LUO Yani, JIA Mengyu

54: METHOD FOR REGULATING THE BIOFILM FORMATION ABILITY OF BACILLUS SUBTILIS

00: -
 The present invention discloses a method for regulating the biofilm formation ability of *Bacillus subtilis*. This method alters the self-agglutination ability and membrane characteristics of *Bacillus subtilis* by overexpression of expression level of the men series genes, thereby altering the biofilm formation ability of *Bacillus subtilis*. As a model microorganism for studying biofilm, it can regulate the biofilm formation ability of *Bacillus subtilis*, which provides a new idea for regulating the formation of Gram-positive bacteria biofilm and weakening the antibiotic tolerance of pathogenic microorganisms. It has great practical significance and broad application prospects in the fields of biological prevention and health care.

21: 2023/06587. 22: 2023/06/27. 43: 2024/01/18
 51: A01G
 71: XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES

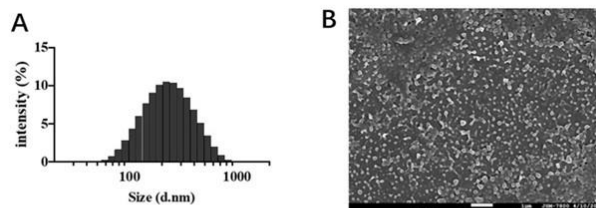
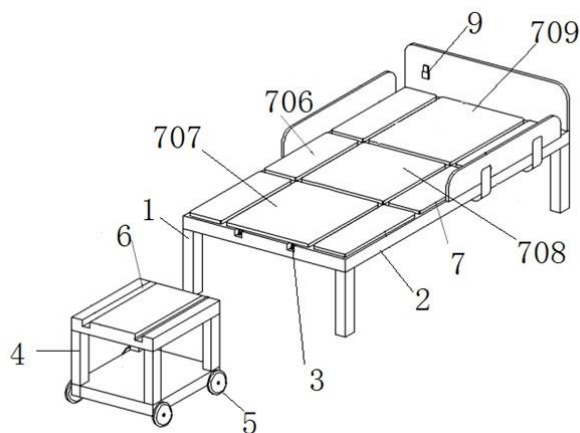
72: CHEN, Yapeng, PAN, Tingting, ZHU, Chenggang, CHEN, Yaning
54: IRRIGATION METHOD FOR PREVENTING WATER AND SOIL LOSS OF RANKER OF NEWLY CULTIVATED STEEP SLOPE

00: -
 The present invention discloses an irrigation method for preventing water and soil loss of a ranker of a newly cultivated steep slope, and relates to the technical field of agriculture. The irrigation method includes: performing spring ploughing, and ploughing soils over; applying farm manure per mu before sowing, and directly ploughing the farm manure under the soils; applying a base fertilizer; performing planting with spot sowing; and performing irrigation, and applying a fertilizer with the water on time. The present invention adopts trickle furrow irrigation with water supply by a hose, which greatly improves the irrigation uniformity of the soil in a sandy ranker in a newly cultivated area, ensures irrigation quality and makes deep seepage and water and soil loss less.

21: 2023/06588. 22: 2023/06/27. 43: 2024/01/18
 51: A61G
 71: THE FIFTH AFFILIATED HOSPITAL OF ZHENGZHOU UNIVERSITY
 72: YIN, Shanshan, ZHANG, Qiujun, WANG, Lili, ZHANG, Hongjuan, LI, Juan

54: NURSING DEVICE CONVENIENT FOR BED AND CHAIR CONVERSION

00: -
 The invention is a versatile nursing device for converting between a bed and a chair. It includes a bed frame with troughs, wherein the bottom of the chair frame is provided with roller and a chute which is connected with the troughs, and a bed and chair conversion unit that can be flat or bent. The conversion unit slides into the troughs and chute to form either a bed or a wheelchair structure. A pushing mechanism, located near the bed head, can be detached and adjusted to change its position on the bed or chair frame. A controller connects to the conversion unit and pushing mechanism, controlling their respective functions through electric signals. This compact device offers convenient bed and chair conversion with adjustable features.



Nanoparticle Type	size (nm)	PDI	Drug loading rate
No-load nanoparticle	161.6 ± 3.1	0.038 ± 0.002	---
Melittin-astaxanthin nanoparticle	243.9 ± 2.95	0.028 ± 0.02	85%

21: 2023/06589. 22: 2023/06/27. 43: 2024/01/18
51: A61K

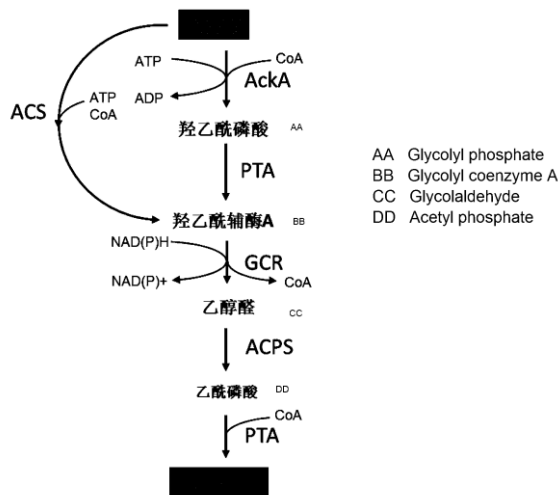
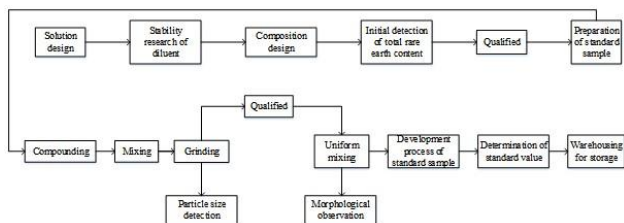
71: GUANGDONG XIN NATURE BIOTECHNOLOGY DEVELOPMENT CO., LTD
72: JIN, Hua, ZHU, Li, HU, Tianye, ZHAO, Yue
33: CN 31: 2023105617261 32: 2023-05-18
54: PLGA NANOPARTICLE LOADED WITH MELITTIN AND ASTAXANTHIN SIMULTANEOUSLY AND APPLICATION THEREOF

00: -
The present invention discloses a PLGA nanoparticle loaded with melittin and astaxanthin simultaneously and application thereof, and belongs to the technical field of nano drug loading. The PLGA nanoparticle of the present invention comprises the following components in parts by mass: 10 parts of melittin, 100 parts of polylactic acid-glycolic acid copolymer, 450 parts of polyvinyl alcohol, 500 parts of chitosan and 30 parts of astaxanthin. Compared with the prior art, the present invention obtains the beneficial effects: (1) the melittin has extremely strong allergenicity, such as hemolytic activity which is obviously reduced after nano-crystallized wrapping. (2) The astaxanthin is difficult to be dissolved in water and unstable in air, and has a fishy smell. Through nano-carrier wrapping, water solubility and cell compatibility can be greatly improved.

21: 2023/06591. 22: 2023/06/26. 43: 2024/01/11
51: G01N

71: BGRIMM MTC TECHNOLOGY CO., LTD.
72: LI, Huachang, WANG, Dongjie, SHI, Yehong, FENG, Xianjin, TANG, Shufang, YANG, Fei, SUN, Jiali, XU, Bicong
33: CN 31: 202210913531.4 32: 2022-08-01
54: RARE EARTH OXIDE STANDARD SAMPLE AND PREPARATION METHOD THEREOF
00: -

The invention relates to the technical field of standard sample preparation, in particular to a rare earth oxide standard sample and a preparation method thereof. The rare earth oxide standard sample comprises a uniform mixture of rare earth oxide and sodium chloride, the rare earth oxides in the rare earth oxide standard sample are 28-42% in percentage by mass, and the rare earth oxides comprise lanthanum oxide, cerium oxide, praseodymium oxide and neodymium oxide; the content of the lanthanum oxide is 0.1%-15%, the content of the cerium oxide is 0.2%-28%, the content of the praseodymium oxide is 0.1%-8%, and the content of the neodymium oxide is 0.5%-32%. Sodium chloride is used as a diluent, so that the total concentration of rare earth can be effectively reduced, the content range of a standard value is accurately controlled, the standard value of a standard sample is consistent with the total content of rare earth of an actual product (rare earth carbonate and rare earth chloride), and the product quality is further accurately controlled; and the standard sample has relatively high uniformity and stability.



21: 2023/06592. 22: 2023/06/27. 43: 2023/12/12

51: C12N; C12P

71: TIANJIN INSTITUTE OF INDUSTRIAL BIOTECHNOLOGY, CHINESE ACADEMY OF SCIENCES

72: JIANG, Huifeng, LU, Xiaoyun, LU, Lina

33: CN 31: 202011382345.X 32: 2020-12-01

54: METHOD FOR PRODUCING TARGET PRODUCT FROM GLYCOLIC ACID UNDER ACTION OF ENZYME

00: -

Disclosed is a method for producing at least one target product from glycolic acid under the action of an enzyme. In order to solve the key problem of losing 25% fixed organic carbon during the recycling process of natural glycolic acid in C3 plants, the present application designs a glycolic acid metabolic pathway comprising an acetate kinase, a phosphoacetyl transferase, a glycolyl coenzyme A reductase and an acetyl phosphate synthase; or the pathway comprises a glycolyl coenzyme A synthase, a glycolyl coenzyme A reductase, an acetyl phosphate synthase and a phosphoacetyl transferase. A new glycolic acid metabolic pathway reduces the loss of organic carbon caused by the recycling process of glycolic acid, and converts 100% of the byproduct glycolic acid generated by photosynthesis into acetyl coenzyme A, thereby providing a new idea for improving the photosynthesis of plants. The pathway also provides a method for preparing glycolaldehyde or acetyl coenzyme A by using glycolic acid as a raw material.

21: 2023/06594. 22: 2023/06/27. 43: 2024/01/18

51: E04B

71: RODRÍGUEZ, Osvaldo Néstor, BRIE, Sebastián José, BRIE, Miguel Díaz

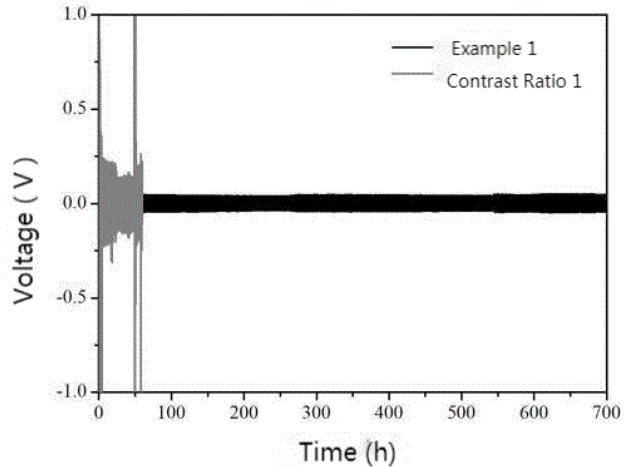
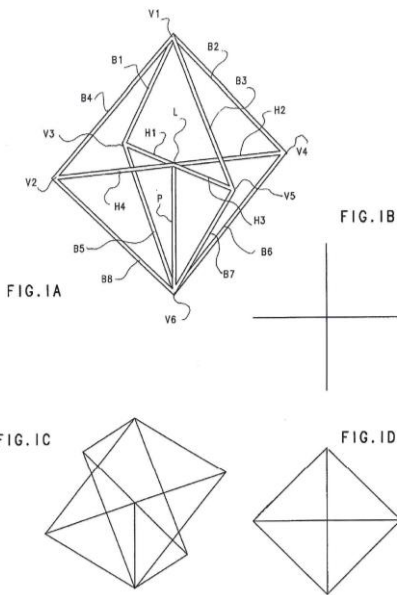
72: RODRÍGUEZ, Osvaldo Néstor

33: AR 31: 20200103382 32: 2020-12-03

54: OCTAHEDRAL RETICULATED STEREO MODULE FOR THE CONSTRUCTION OF BUILDINGS

00: -

The invention relates to a reticulated stereo module for the construction of buildings, of the type using elements such as reticulated stereo octahedrons and quadrangular panels for the construction of walls, floors and ceilings, comprising four upper diagonal bars (B1 - B4), four lower diagonal bars (B5 - B8), four horizontal bars at the centre forming a cross (H1 - H4), and a strut bar (P) located between the lower vertex (V6) and the central node (L) and/or a tension bar located between the upper vertex (V1) and the central node (L).



21: 2023/06626. 22: 2023/06/28. 43: 2024/01/18
 51: H01M
 71: Guangdong Polytechnic of Industry and Commerce

72: Meihong HUANG, Feng WANG, Meng LYU, Zhiyong LIANG, Mengyao PAN, Yuling ZHONG, Shaowei CHEN, Liangyu LI, Peihong HUANG, Jiahao LU

54: COMPLEX TYPE ADDITIVE ELECTROLYTE FOR AQUEOUS ZINC ION BATTERY AND ITS PREPARATION METHOD

00: -
 The present invention discloses a complex type additive electrolyte for aqueous zinc ion battery and its preparation method, the composition of the electrolyte includes benzylideneacetone, alkylphenol ethoxylates, and matrix electrolyte, the matrix electrolyte is dissolved and prepared by a water-soluble zinc salt; the concentration of water-soluble zinc salt in the matrix electrolyte is 0.1 ~ 5 mol / L. The present invention adopts the above-mentioned complex type additive electrolyte for aqueous zinc ion battery and its preparation method, the electrolyte is added with an additive that can improve the surface flatness and fine crystallization of the zinc coating, which can induce the uniform nucleation of zinc ions on the surface of the zinc anode, inhibit the growth of zinc dendrites, and solve the problems of short circuit of zinc ion battery and poor reversibility of zinc anode.

21: 2023/06627. 22: 2023/06/28. 43: 2024/01/18
 51: E02D; G01B

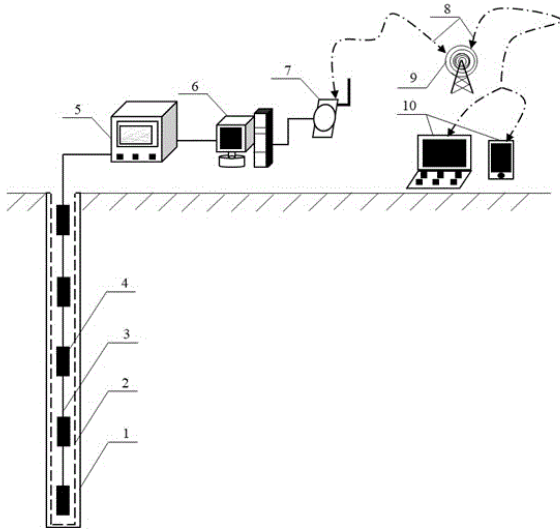
71: HEFEI UNIVERSITY

72: LIU Xiangyang, ZHU Lei, LIU Wenlin, CHENG Gan, XU Xueqing, HE Hongbo

54: AUTOMATIC MONITORING SYSTEM AND METHOD FOR INCLINOMETRY AND SEEPAGE MEASUREMENT OF RETAINING STRUCTURE OF FOUNDATION PIT ENGINEERING

00: -
 The invention discloses an automatic monitoring system and method for inclinometry and seepage measurement of retaining structure of foundation pit engineering, which includes a data acquisition module for acquiring monitoring data; the data processing module is connected with the data acquisition module and used for processing the monitoring data to generate a visual displacement field and seepage field nephogram; and the remote automatic monitoring module is connected with the data processing module and used for automatically monitoring the leakage point and the deformation position of the retaining structure of the foundation pit engineering based on the three-dimensional visual displacement field and seepage field nephogram. The invention scientifically and effectively improves the overall deformation and permeability judgment of the foundation pit retaining structure, and has high accuracy and efficiency, thus providing a reliable basis for the subsequent foundation pit engineering construction. Compared with manual field measurement, the invention uses modern information acquisition technology, data processing conversion technology and network transmission technology to solve the monitoring problem, and synchronously carries out structural

deformation monitoring and groundwater seepage detection, thus shortening the time and improving the working efficiency.



21: 2023/06628. 22: 2023/06/28. 43: 2024/01/18
 51: C12Q
 71: FOSHAN UNIVERSITY
 72: FENG, Zheng, SONG, Jia, WANG, Jifeng, ZHANG, Shumeng, WANG, Wenjing, YAN, Wenhao, PEI, Yangli

54: MOLECULAR MARKER RELATED TO PORK QUALITY TRAITS AND APPLICATION

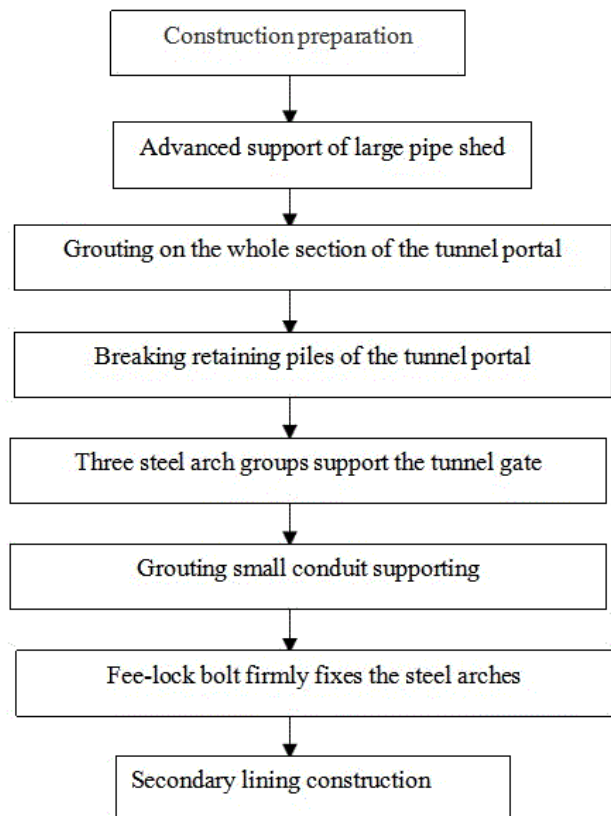
00: -
 The present invention belongs to the technical field of animal molecular marker preparation, in particular to cloning of a porcine BTG2 gene fragment and application as a molecular marker. The nucleotide sequence of the molecular marker is shown in SEQ ID NO: 1 in a sequence listing; and there is a C191-T191 base mutation at site 191 of the sequence listing, which causes Mval-RFLP polymorphism. The present invention further discloses a method for preparing the molecular marker.

21: 2023/06629. 22: 2023/06/28. 43: 2024/01/18
 51: E21D
 71: HEFEI UNIVERSITY
 72: ZHU Lei, LIU Xiangyang, CHENG Gan, XU Xueqing, HE Hongbo, WU Ling

54: SUPPORTING METHOD FOR ENTRANCE OF SHALLOW-BURIED UNDERGROUND TUNNEL OF URBAN SUBWAY

00: -
 The invention discloses a supporting method for entrance of a shallow-buried underground tunnel of

an urban subway, which includes the following steps: taking a hole on a retaining pile based on an excavation section as a guide hole, supporting a pipe shed in advance along the guide hole, and cleaning and grouting the pipe shed; reinforcing the soil in the preset range of the tunnel portal by backward grouting, the retaining piles broken, and the end of the pipe shed at the tunnel portal is supported by three steel arch groups under the retaining piles. After passing through the retaining pile, the tunnel body is supported by a single steel arch, and holes are punched on the single steel arch to be used as grouting small conduits, and then the single steel arch is connected with the feet-lock bolt for secondary lining to complete the support. The invention can ensure the smooth progress of tunnel entry construction, and at the same time avoid a large number of land acquisition, demolition and resettlement work, and has a wide application prospect.



21: 2023/06630. 22: 2023/06/28. 43: 2024/01/18
 51: A61K

71: INSTITUTE OF CHINESE MATERIA MEDICA
CHINA ACADEMY OF CHINESE MEDICAL
SCIENCES

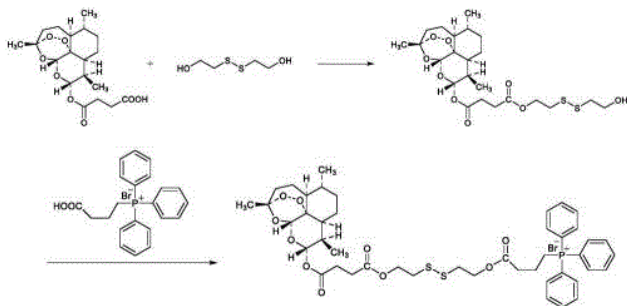
72: SHEN Shuo, GU Liwei, WANG Jigang, LIU
Shuzhi, DU Maobo, GUO Qiuyan, XIA Fei, LIU
Dandan, ZHANG Junzhe

33: CN 31: 2022107927145 32: 2022-07-05

**54: PREPARATION METHOD AND APPLICATION
OF NOVEL ARTEMISININ DERIVATIVES AND
LIPOSOMES**

00: -

The invention discloses a preparation method and application of the novel artemisinin derivative and its liposomes. The method comprises the following steps: firstly, synthesizing artemisinin derivative (TPP-SS-ATS) which is sensitive to glutathione (GSH) and has mitochondrial targeting function; then the novel artemisinin derivative liposomes (TPP-SS-ATS-LS) were prepared by film dispersion method. The novel artemisinin derivative liposomes (TPP-SS-ATS-LS) prepared by the invention can realize dual-target drug delivery to tumor tissues and tumor cell mitochondria, and remarkably improve the anti-tumor efficacy of artemisinin drugs.



21: 2023/06631. 22: 2023/06/28. 43: 2024/01/18
51: B23Q

71: Ningxia Tiandi Northwest Coal Machine Limited
Company, National Energy Group Ningxia Coal
Industry Co., Ltd.

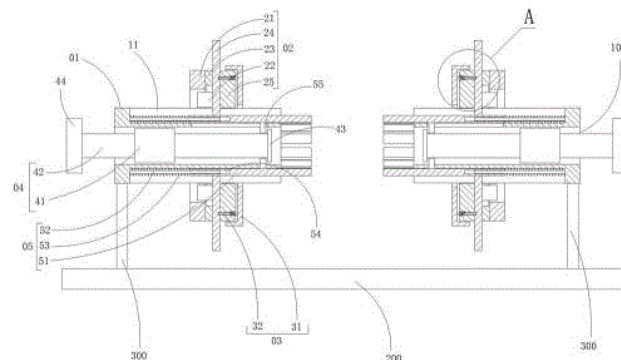
72: YANG Jie, HAN Fangcheng, FENG Baozhong,
LI Juan, MA Guocong, JIN Feng, ZHANG Cheng,
MA Yue, HE Yongfeng, ZHANG Yuhan, YU Tao,
WANG Zhanguai, WANG Ning, LAN Chunsen, YANG
Hai

54: SPECIAL-SHAPED PART CLAMPING DEVICE

00: -

A special-shaped part clamping device comprises a clamping device, a base and a support frame, wherein the support frame is symmetrically fixed on the base, and the clamping devices are respectively oppositely fixed at the upper ends of the support

frame. The clamping device comprises a mounting pipe, a jacking component, a locking component, an adjusting component and an elastic clamping component. According to the invention, the backstop wedge is fixedly clamped between two elastic clamping components by using the elastic clamping component, so that the end of the elastic clamping component is in contact with the irregular surface of the backstop wedge, the jacking component is rotated, the jacking component is abutted against the elastic clamping component, and the jacking component is locked by the locking component, so that the jacking component does not displace, so that the end of the elastic clamping component can be closely contacted with the irregular surface of the backstop wedge, and the backstop wedge is firmly clamped. When in use, the backstop wedges with different shapes and diameters can be clamped and fixed, which reduces the frequency of replacing clamping fixture, improves the production efficiency and reduces the input cost.



21: 2023/06632. 22: 2023/06/28. 43: 2024/01/18
51: F28D

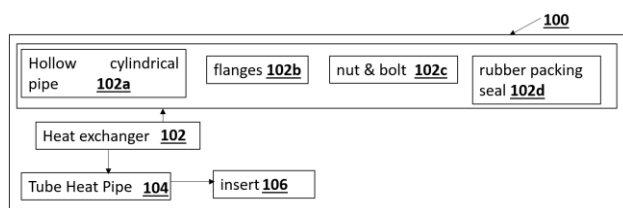
71: Shivasheesh Kaushik, Dr. Satyendra Singh,
Puneet Singh, Shailesh Ranjan Kumar, Dr. Sandeep
Kumar, Dr. Abhishek Pathak, Dr. Maneesh Tewari,
Dr. Shobhit Gupta, Dr. Ajay Suryavanshi, Dr. Umesh
Vishwakarma, Dr. Navin Kumar Jha, Arvind Patidar,
Dr. Devaki Nandan, Ashwani Kumar, Anil Kumar
Chhotu, Ashutosh Kumar, Dr. Saba Sabir, Dr. Nisha
Mehra, Dr. Sameena Mehtab, Priyanka Gupta,
Satish Kumar, Ashwarya Raj Paul, Ritu Kumari,
Manish Kumar, Avnish Verma, Abhishek Bhandari,
Shaily Chauhan, Shikha Tailwal

72: Dr. Satyendra Singh, Puneet Singh, Shailesh
Ranjan Kumar, Shivasheesh Kaushik, Dr. Sandeep
Kumar, Dr. Abhishek Pathak, Dr. Maneesh Tewari,
Dr. Shobhit Gupta, Dr. Ajay Suryavanshi, Dr. Umesh
Vishwakarma, Dr. Navin Kumar Jha, Arvind Patidar,

Dr. Devaki Nandan, Ashwani Kumar, Anil Kumar Chhotu, Ashutosh Kumar, Dr. Saba Sabir, Dr. Nisha Mehra, Priyanka Gupta, Dr. Sameena Mehtab, Satish Kumar, Ashwarya Raj Paul, Ritu Kumari, Manish Kumar, Avnish Verma, Abhishek Bhandari, Shaily Chauhan, Shikha Tailwal

54: A CONCENTRIC TUBE HEAT PIPE DEVICE WITH SEMI HOLLOW CYLINDRICAL MACRO INSERT

00: -
A Concentric Tube Heat Pipe Device (100) with Semi Hollow Cylindrical Macro Insert, wherein the device (100) comprises of: a heat exchanger (102) comprising of a hollow cylindrical pipe (102a), and a Concentric Tube Heat Pipe (104); and a plurality of semi hollow cylindrical macro insert (106) attached on a surface of the heat pipe (104) in such a way that the inserts (106) are perpendicular to each other and assembled in horizontal direction inside the hollow cylindrical outer pipe (102a), wherein the plurality of inserts (106) is attached in each row on the surface of heat pipe tube (104), such that an angular orientation gap between a consecutive row is 45o.



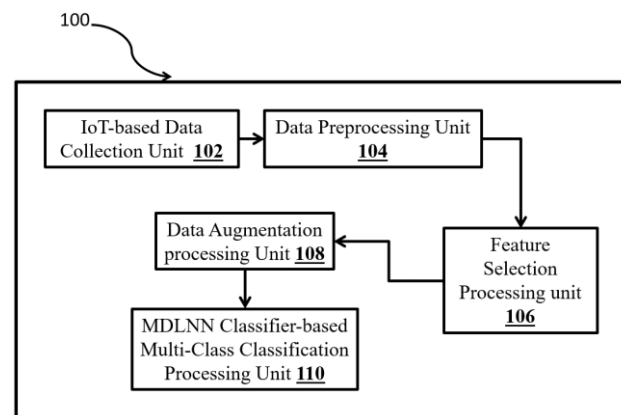
21: 2023/06633. 22: 2023/06/28. 43: 2024/01/18
51: G06F

71: Dr. Bhushankumar Pitambar Nemade, Dr. Vinayak Ashok Bharadi, Dr. Sujata S. Alegavi, Dr. Bijith Marakarkandy, Dr. Vikas kaul, Dr. Ketan Shah
72: Dr. Bhushankumar Pitambar Nemade, Dr. Vinayak Ashok Bharadi, Dr. Sujata S. Alegavi, Dr. Bijith Marakarkandy, Dr. Vikas kaul, Dr. Ketan Shah

54: AN EFFICIENT IOT-BASED PREDICTION SYSTEM TO PREDICT THE SUITABILITY OF WATER USAGE AND THE METHOD THEREOF

00: -
This disclosure presents an efficient IoT-based prediction system for water classification, specifically designed for assessing water quality according to the recommended best use by the Ministry of Hydrology and Water Resources Information Department in India. The system utilizes a Modified Deep Learning Neural Network (MDLNN) classifier and a novel adaptive incremental learning

framework. It consists of six components: real-time data collection through sensor devices, data cleaning to remove outliers and missing values, feature selection using forward feature selection method, handling of imbalanced data with an improved data augmentation technique and G-SMOTE, and water quality classification using the MDLNN classifier. Additionally, an adaptive incremental learning framework is employed to handle unseen data. Experimental results demonstrated an impressive accuracy of 99.34% and validation loss of 0.0415, addressing the challenge of imbalanced water quality classes. Overall, this approach effectively utilizes multi-class classification for water quality assessment.



21: 2023/06634. 22: 2023/06/28. 43: 2024/01/18
51: A61K

71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY
72: LIU, Yu, LIU, Xuan, LIU, Lianxin, CHEN, Jing, DONG, Limin, SHI, Guangxia, HE, Yan

54: PREPARATION METHOD FOR TRIFLURIDINE

00: -
The present invention belongs to the technical field of pharmaceutical synthesis, and discloses a preparation method for trifluridine. The preparation method of the present invention comprises the following steps: mixing a raw material 1, hexamethyldisilazane and ammonium sulfate, performing carbonyl protection reaction, and concentrating under reduced pressure to obtain a compound 1; mixing the compound 1, dichloromethane, 4-nitrophenol and the raw material 2, performing condensation reaction, and filtering to obtain a compound 2; and mixing the compound 2, anhydrous methanol and sodium methoxide in

methanol solution, performing deprotection reaction, filtering, and refining to obtain the trifluridine. The method for synthesizing trifluridine provided by the present invention is beneficial to research the synthesis mechanism of the trifluridine and provides certain help for improving the yield of the trifluridine.

21: 2023/06635. 22: 2023/06/28. 43: 2024/01/18
51: F21S

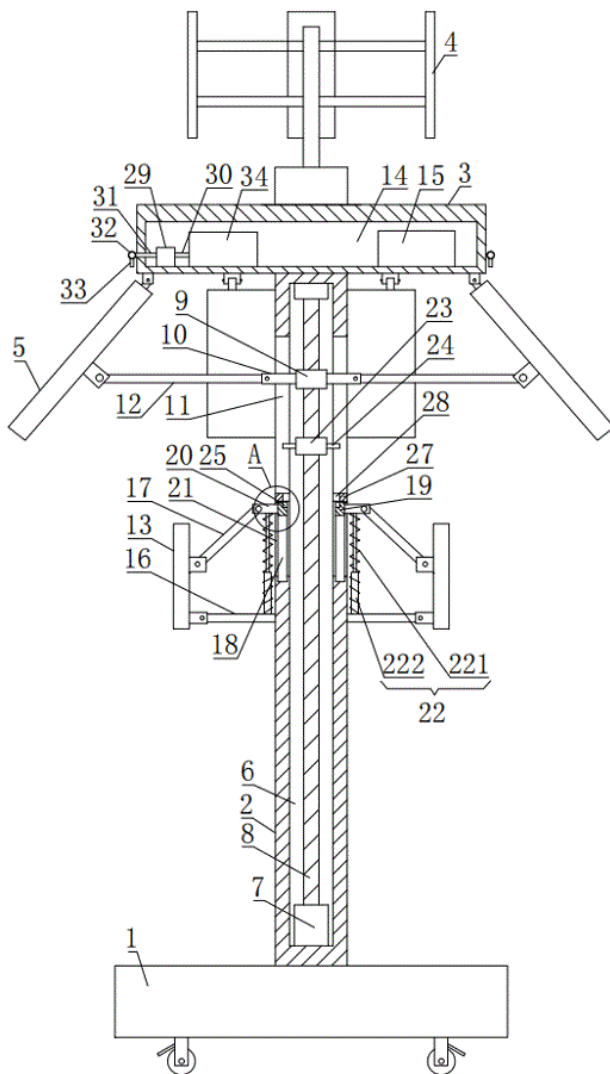
71: CHINA CONSTRUCTION FIFTH ENGINEERING BUREAU CO., LTD.

72: JIN, Hemaο, ZHOU, Yugui, WANG, Qianhong, SHI, Tai, YUE, Yuxi, HUANG, Qibang, XU, Jiawen, CHEN, Hongjun

54: AN ENERGY-SAVING LIGHTING DEVICE FOR A CONSTRUCTION SITE

00: -

The present invention discloses an energy-saving lighting device for construction sites, which comprises a base; wherein, the top of the base is provided with a column; the top of the column is provided with a footstock; the top of the footstock is provided with a wind power generation device; the bottom of the footstock is hinged with a solar panel; the column is internally provided with a working chamber; a motor is provided on the bottom wall in the working chamber; the output end of the motor is connected with a threaded rod; the threaded rod is connected with a first threaded sleeve by threads; the outer wall of the first threaded sleeve is provided with a first slide bar; a first slideway is provided in the column; the first slide bar is hinged with a first connecting rod; and the other end of the first connecting rod is hinged to the solar panel. The present invention can adjust the angle of the solar panel, so that the solar panel can be rotated to a position under the footstock in case of bad weather, and the risk of damage is reduced; at the same time, the solar panel and the wind power generation device can convert solar and wind energy into electricity, energy supply in multiple ways is achieved, and the applicability of the device is improved.



21: 2023/06636. 22: 2023/06/28. 43: 2024/01/12
51: C01D

71: Anhui Weida Environmental Protection Technology Co., Ltd

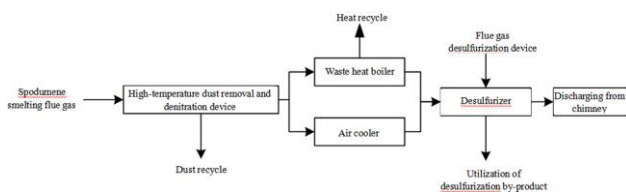
72: Huang Naijin, Xie Bin, Zhou Haoran, Wang Gaohui, Chen Shihui, Ren Caitao

54: HIGH-TEMPERATURE DUST REMOVAL AND DENITRATION COLLABORATIVE DESULFURIZATION SYSTEM FOR SPODUMENE SMELTING FLUE GAS

00: -

The invention discloses a high-temperature dust removal and denitration collaborative desulfurization system for spodumene smelting flue gas, wherein the high-temperature dust removal and denitration collaborative desulfurization system for spodumene smelting flue gas includes a high-temperature dust removal and denitration device, a waste heat boiler or an air cooler, a flue gas desulfurization device and

a chimney which are sequentially arranged; the high-temperature dust removal and denitration device consists of a dust collector with (metal filter bag) and an SCR denitration device; the flue gas desulfurization device is one of wet desulfurization, dry desulfurization and semi-dry desulfurization processes; the high-temperature flue gas is subjected to high-temperature dust removal first, so that the spodumene material is recovered, the reaction difficulty caused by low denitration temperature is avoided, and at the same time, the situation that the catalyst is blocked, deactivated or even "poisoned" due to the deposition of dust impurities and other heavy metals on the surface of the catalyst is avoided; high-temperature dust removal and denitration device can effectively save space and avoid energy waste, and at the same time, collaborative desulfurization can make spodumene smelting flue gas deeply purified.



21: 2023/06637. 22: 2023/06/28. 43: 2024/01/12
51: H04L

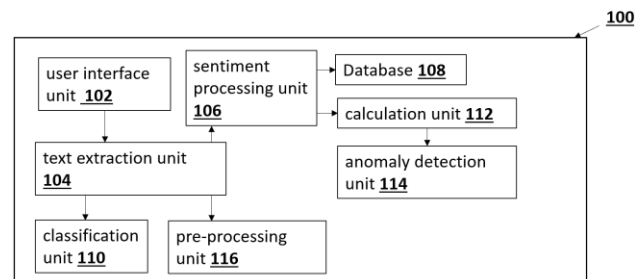
71: Finolex Academy of Management and Technology, Dr. Vinayak Bharadi, Dr. Kaushal Prasad, Shashank Tolye, Janhavi Lele, Antara Phadnis, Aakanksha Birje, Asawari Sawant, Pravin Jangid, Dr. Sujata Alegavi, Dr. Bhushankumar Nemade

72: Dr. Vinayak Bharadi, Dr. Kaushal Prasad, Shashank Tolye, Janhavi Lele, Antara Phadnis, Aakanksha Birje, Asawari Sawant, Dr. Sujata Alegavi, Dr. Bhushankumar Nemade, Pravin Jangid

54: A SYSTEM AND METHOD FOR ANOMALY DETECTION BASED ON DIFFERENTIAL OF SENTIMENT SCORE

00: -
A System (100) and a method (200) for anomaly detection based on differential of sentiment score, comprises of: a user interface unit (102) for accessing a social media account upon successful authentication of a user and selecting a specific topic for anomaly detection; a text extraction unit (104) for collecting a plurality of data to extract text content from each of the collected plurality of data; a sentiment processing unit (106) for processing the

collected data to calculate a sentiment score of each feed based on a plurality of parameters and stored in a database (108); a classification unit (110) for classifying the processed data into positive, negative and neutral percentage of posts; a calculation unit (112) for calculating a differential of sentiment score based on historical data stored in the database; and an anomaly detection unit (114) for detecting anomaly in the differential of the sentiment score.



21: 2023/06638. 22: 2023/06/28. 43: 2024/01/18
51: A61P

71: YELLOW SEA FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCE

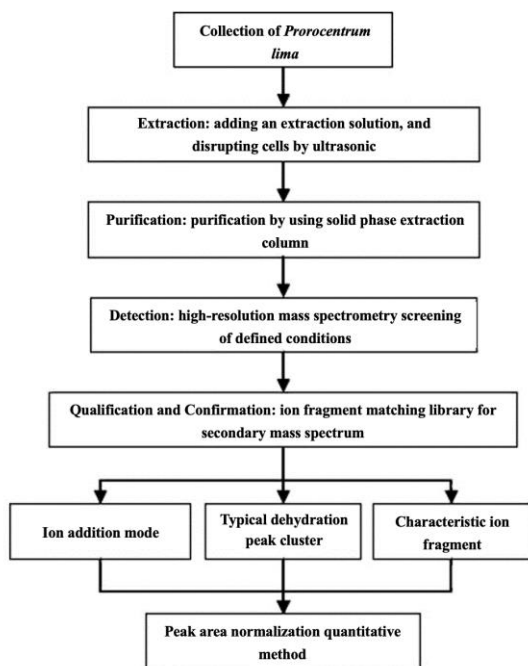
72: WU, Haiyan, PENG, Jixing, TAN, Zhijun, ZHAO, Yanfang, GUO, Mengmeng, ZHENG, Guanchao, ZHAO, Xinnan

54: SYSTEMATIC DETECTION METHOD FOR DIARRHETIC SHELLFISH POISONING TOXIN AND ESTERIFIED TOXIN THEREOF

00: -
The present invention discloses a systematic detection method for a diarrhetic shellfish poisoning toxin and an esterified toxin thereof, which comprises the following steps: (1) toxin extraction, (2) toxin purification, (3) measurement by using a combined quadrupole Orbitrap high-resolution liquid chromatography-mass spectrometry, and (4) quantitative analysis and qualitative confirmation.

The present invention solves the systematic detection problem of a diarrhetic shellfish poisoning toxin and an esterified toxin thereof. With the optimized pretreatment method, the multi-parameter high-efficiency extraction can be achieved, and the extraction rate is a necessary condition for ensuring the screening effectiveness. The systematic instrument screening method is applied to maximize the ion passing rate and the acquisition of secondary fragments, and at the same time achieves the purpose of high-throughput screening and precise qualitative detection. The screening work performed

by applying this method can maximize the quality and safety screening requirements of the diarrhetic shellfish poisoning toxin and the esterified toxin thereof of a product, and guarantee the quality and safety of consumers' food.



21: 2023/06642. 22: 2023/06/28. 43: 2024/01/12
51: B22F

71: Jiangsu Wulong Knitting Co., Ltd.

72: Qingjun Zhang, Ao Zhang, Min Zhang

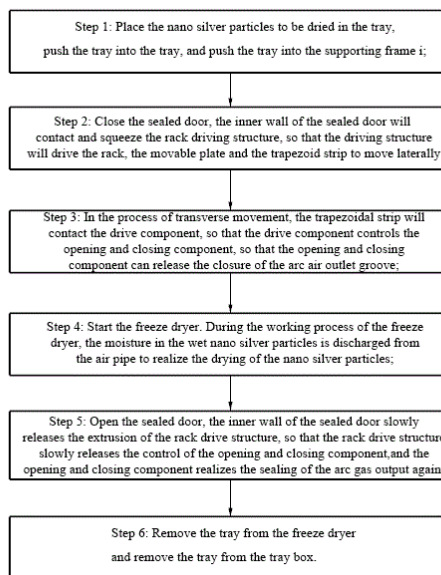
33: CN 31: 202310470013.4 32: 2023-04-26

54: A NANO SILVER PARTICLE PREPARATION DEVICE AND A PREPARATION METHOD THEREOF

00: -

The invention relates to the technical field of nano silver particle preparation, in particular to a nano silver particle preparation device and a preparation method thereof, including a freeze dryer. The freeze dryer is provided with a drying chamber, and the inner wall of the drying chamber is provided with a supporting frame i, and the two supporting frames i are inserted into a tray box, and the tray box is inserted into a tray. The upper surface of the tray box is penetrated with a plurality of air pipes, the top face of the plurality of air pipes is provided with a curved air outlet groove, and the upper end of the plurality of air pipes are provided with an opening and closing component. The opening and closing

component is used to realize the sealing and unsealing of the curved air outlet groove. The invention provides an opening and closing component, and the gear ring rotates under the drive of the driving component. In the process of rotation of the gear ring, the gear ring drives the gear i to rotate, which makes the gear i drive the plugging strip to rotate, which makes the plugging strip realize the sealing and unplugging of the curved air outlet groove.



21: 2023/06644. 22: 2023/06/28. 43: 2024/01/18
51: A61K; A61P

71: SHEDE SPIRITS CO., LTD., DALIAN MEDICAL UNIVERSITY

72: PU, Jizhou, RAO, Jiaquan, YUAN, Jieli, LI, Ming, WANG, Xiaoping, ZOU, Yongfang, WEN, Jing

33: CN 31: 202210668701.7 32: 2022-06-14

54: APPLICATION OF CHINESE LIQUOR IN THE PREPARATION OF MEDICINES FOR IMPROVING INTESTINAL BARRIER FUNCTIONS AND GUT MICROBIOTA

00: -

The present disclosure provides an application of Chinese liquor in the preparation of medicines for improving intestinal barrier functions and gut microbiota, and belongs to the technical field of medicine and health care. In the present disclosure, the evaluation on the effect of 52 percent vol Shede liquor on intestinal barrier functions and gut microbiota of rats shows that moderate consumption of 52 percent vol Shede liquor has a certain

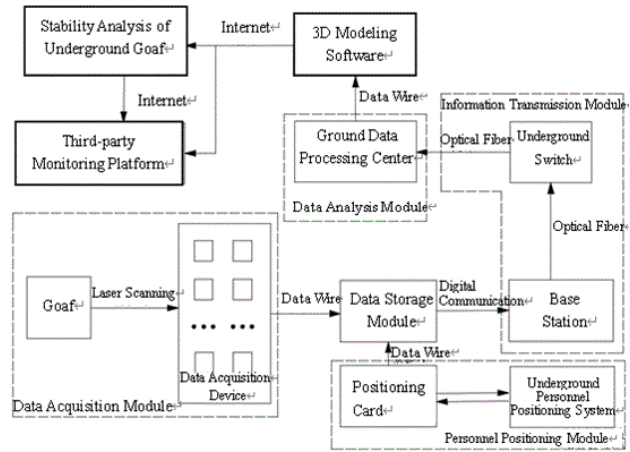
protective effect on the intestinal barrier, and can alleviate inflammation and regulate gut microbiota, providing a reference for the benefits of moderate consumption of 52 percent vol Shede liquor in humans.

21: 2023/06649. 22: 2023/06/28. 43: 2024/01/18
51: E21F

71: SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, Anhui Magang Luohe Mining Co., LTD, Huawei National Engineering Research Center for Efficient Recycling of Metallic Mineral Resources Co., LTD
72: SUN Lijun, LI Pengcheng, DAI Bibo, WANG Hongxi, SUN Guoquan, PENG Jun, LIU Hailin, YANG Jiamian, LU Yugen, NIE Wen, GAO Yijun, LIU Yanjun, JIA Wei, YUAN Jinfeng, LIU Kang, ZHU Zongjie

33: CN 31: 2022108362787 32: 2022-07-15
54: REAL-TIME MONITORING SYSTEM AND MODELING METHOD FOR THE SHAPE OF GOAF IN MINES

00: -
The present invention discloses a real-time monitoring system and modeling method for the shape of goaf in mines, belonging to the field of mining goaf detection technology. The present invention includes a data acquisition module, a personnel positioning module, an information transmission module, and a data analysis module. A laser probe, a digital compass, and a tilt sensor are embedded in a miner's lamp, and then installed on a safety helmet; the data acquisition interval time is set, and the goaf is randomly scanned by underground workers at different positions or perspectives; then, the real coordinates of the scanning points in the goaf are calculated using the underground personnel positioning system and program, and data units and "conical" solid elements are established, and the constructed solid elements are gradually merged until the detection accuracy requirements for the goaf are met. The present invention is easy to operate, highly informationized, has small measurement errors, and with timely updated data. It can accurately monitor the shape changes of goaf during the mining process, quickly update the digital model of goaf, and provide data support for numerical analysis of goaf stability.

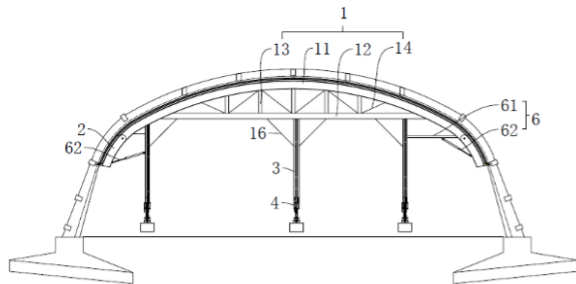


21: 2023/06668. 22: 2023/06/28. 43: 2024/01/18
51: E01F

71: CHINA RAILWAY SIXTH GROUP CO., LTD. BEIJING RAILWAY CONSTRUCTION COMPANY, CHINA RAILWAY SIXTH GROUP CO., LTD.
72: REN, Xiaosen, SUN, Aitian, YU, Guangtao, BI, Zongwei, ZHAO, Yang, ZHANG, Chun, LIU, Lin, WANG, Kun, WANG, Zhiyu, FU, Qiang
33: CN 31: 202011600599.4 32: 2020-12-30
54: CONSTRUCTION METHOD FOR LARGE-SPAN THIN-WALL CONCRETE SOUND BARRIER POURING TROLLEY

00: -
The present application relates to a construction method for a large-span thin-wall concrete sound barrier pouring trolley. The construction method comprises the following steps: step 1, constructing foundations on two sides of an existing line, and mounting steel rails on the foundations; step 2, hoisting a pre-assembled traveling system; step 3, mounting a truss system, that is, transporting machined arch frames to a construction site, hoisting the arch frames, and connecting upright posts to connecting beams; and adjusting a jack and a hydro-cylinder, adjusting the arch frames and overturning sections to designed elevations, mounting the subsequent arch frames in sequence, and connecting connecting rods between the adjacent arch frames after the arch frames are mounted and adjusted; and step 4, mounting a bottom form on a top arch, binding steel bars, mounting side forms, performing concrete pouring, reducing the height of the arch frames by means of the jack and the hydro-cylinder after the designed strength of concrete is achieved, removing the bottom form, adjusting the height of the jack to make traveling wheels come

into contact with the steel rails, and moving a trolley. The present application is convenient for moving and constructing, and does not affect the passage of an existing line while meeting construction requirements.



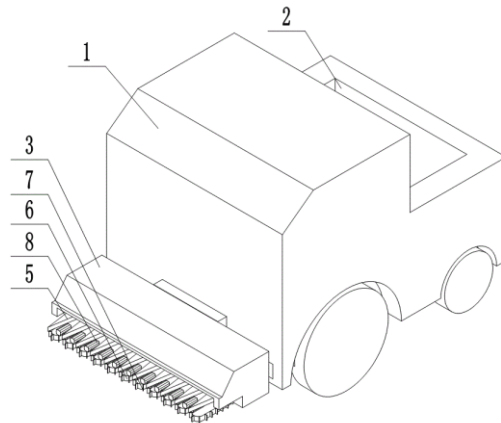
21: 2023/06670. 22: 2023/06/29. 43: 2024/01/17
51: A01D
71: Heilongjiang Agricultural Machinery Engineering Science Research Institute, Institute of Plant Protection of Heilongjiang Academy of Agricultural Sciences

72: LIU Xingbo, YE Tong, LAN Haitao, YANG Jinzhuan, NIE Meiling, CHANG Jianguo, SUN Shiming, LIN Juntang, LI Jiafeng, XING Lulu, LI Zhibo, ZHANG Xin, ZHAO Wei, WANG Haiyang, ZHANG Fanliang, SU Yadi

54: FRESH CORN HARVESTER

00: -
The invention discloses a fresh corn harvester, which comprises a harvesting vehicle, wherein the front end of the harvesting vehicle is provided with a lifting harvesting part, and the harvesting part is communicated with a storage bin at the rear part of the harvesting vehicle; the harvesting part comprises a frame fixedly installed at the front end of the harvesting vehicle, a separating mechanism is arranged in the frame, the separating mechanism is communicated with the storage bin through a communication mechanism, and the communication mechanism is located in the harvesting vehicle; the separating mechanism comprises a guide component and a separating component fixedly connected to the front end of the frame, and the separating component is correspondingly arranged and communicated with the communication mechanism; the separating component comprises a plurality of harvesting plate groups arranged side by side, a feeding belt group corresponding to the

harvesting plate groups is arranged below the harvesting plate groups, a conveying roller group is arranged at the bottom end of the feeding belt group, and a cutting knife is arranged below the conveying roller group. The invention can effectively improve the harvesting efficiency of fresh corn, reduce the loss caused by mechanical damage in the harvesting process, and improve the benefit of fresh corn.



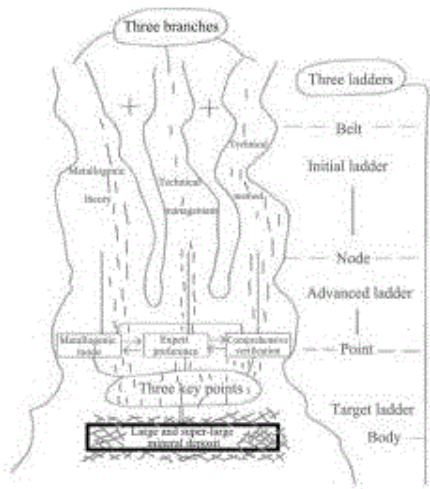
21: 2023/06671. 22: 2023/06/29. 43: 2024/01/17
51: E21C

71: Geological Survey Institute of Jiangxi Province
72: XIONG, Qinghua, ZHONG, Chungeng, GAO, Yuan, ZHANG, Fushen, LOU, Fasheng, XIONG, Fangliang, ZHU, Aiming, XU, Zhe, GONG, Liangxin, DU, Changfa, CAO, Shenghua, LIU, Gaofeng

54: METHOD FOR PROSPECTING AND EXPLORING LARGE AND SUPER-LARGE GOLD-URANIUM-TUNGSTEN-TIN-MOLYBDENUM-BISMUTH -COPPER-LEAD-ZINC-LITHIUM-RUBIDIUM-CESIUM-NIOBIUM-TANTALUM MINERAL DEPOSITS

00: -
The present invention belongs to the technical field of metallic mineral deposit prospecting and exploration, and more particularly relates to a method for prospecting and exploring large and super-large gold-uranium-tungsten-tin-molybdenum-bismuth-copper-lead-zinc-lithium-rubidium-cesium-niobium-tantalum mineral deposits. Guided by modern metallogenic theories and practices, the geological background of metallogenic belts, metallogenic characteristics, and secondary development of "geophysical prospecting, geochemical prospecting, and remote sensing" of multiple abnormal information are thoroughly studied

in the present invention by making full use of previous information and practical experience, favorable areas for prospecting or potential spatial locations of ore bodies are delineated from large to small and from surface to a point, and finally, the ore bodies such as gold, uranium, tungsten, and copper are discovered, thus realizing a breakthrough in prospecting large and super-large mineral deposits of gold, uranium, tungsten, copper, and nonferrous and rare metals.



corresponding ground below each row of shelf-type material beds and on the surfaces of each layer of Stropharia rugosoannulata cultivation beds, with the laying thickness of 10-15 cm. When the Stropharia rugosoannulata cultivation substrate is laid to a thickness of 2/3, inoculating strains, and then covering the rest Stropharia rugosoannulata cultivation substrate. The method of the invention can realize the annual production of Stropharia rugosoannulata, and the Stropharia rugosoannulata produced by the cultivation method of the invention has the characteristics of high yield and good quality.



21: 2023/06672. 22: 2023/06/29. 43: 2024/01/17
 51: A01G
 71: JIAXING VOCATIONAL & TECHNICAL COLLEGE
 72: YU Chenyan, JIN Xinyi, PAN Ding, WANG Jinyi, XIE Yingzhen, WANG Xiaoyu, ZHANG Yaowen, TAO Hengchao

54: THREE-DIMENSIONAL SHELF-TYPE CULTIVATION METHOD OF STROPHARIA RUGOSOANNULATA

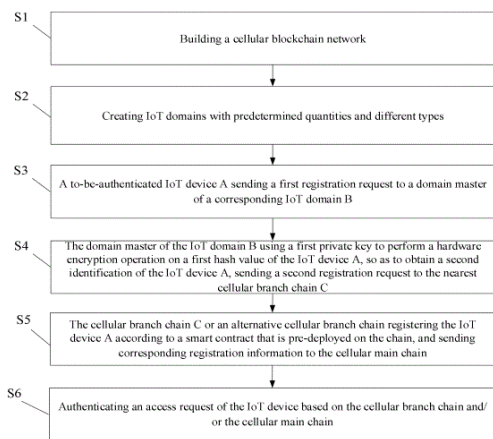
00: -
 The invention relates to the technical field of mushroom cultivation, in particular to a three-dimensional shelf-type cultivation method of Stropharia rugosoannulata. The method comprises the following steps: building a greenhouse; erecting a plurality of rows of shelf-type material beds in the greenhouse; each row of shelf-type material beds is paved with four layers of Stropharia rugosoannulata cultivation beds, and the height of the lowest layer of Stropharia rugosoannulata cultivation beds is 80-100 cm from the ground; laying Stropharia rugosoannulata cultivation substrates on the

21: 2023/06674. 22: 2023/06/29. 43: 2024/01/17
 51: H04L
 71: Southwest Forestry University
 72: QIN, Mingming, LIANG, Zhihong, HUANG, Yuxiang

54: AUTHENTICATION AND AUTHORIZATION METHOD FOR IOT DEVICE BASED ON CELLULAR DOUBLE-CHAIN

00: -
 Provided is an authentication and authorization method for an IoT (Internet of Things) device based on cellular double-chain. The method includes:

building a cellular blockchain network; creating IoT domains with predetermined quantities and different types; a to-be-authenticated IoT device sending a first registration request to a domain master of the corresponding IoT domain; the domain master of the IoT domain using a first private key to perform a hardware encryption operation on a first hash value of the IoT device, so as to obtain a second identification of the IoT device, and sending a second registration request to the nearest cellular branch chain; the cellular branch chain or an alternative cellular branch chain registering the IoT device according to a smart contract, and sending registration information to the cellular main chain; authenticating an access request of the IoT device based on the cellular branch chain and/or the cellular main chain.



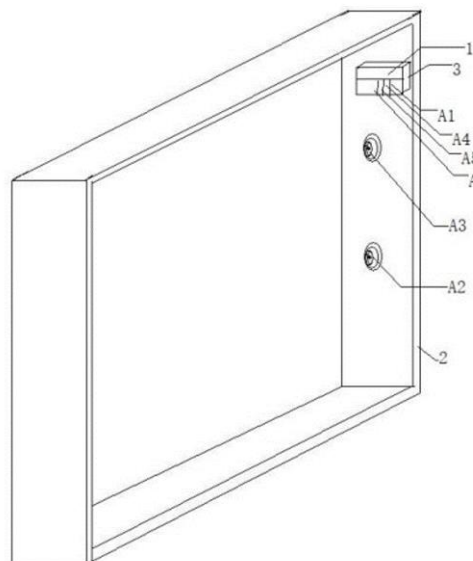
21: 2023/06675. 22: 2023/06/29. 43: 2024/01/18
51: G06Q

71: Xinping ZENG
72: Xinping ZENG

54: STORE CUSTOMER NUMBER, AGE AND GENDER STATISTIC DEVICE

00: -
A store customer number, age and gender statistic device, comprising a power supply module, counters, a GPRS module and photoelectric switches, and further comprising a control circuit; wherein the device is provided with at least two photoelectric switches, and the two photoelectric switches are installed on one side of a door frame at an entrance of a store and separated at upper and lower parts; the power supply module, the counters, the GPRS module and the control circuit are installed in an element box and electrically

connected. In the utility model, when somebody enters the store through the entrance, a signal can be output to a corresponding counter by the two photoelectric switches after detection respectively according to whether a person entering is a valid customer or an invalid customer, and a statistics of customer number output by the counter is transmitted remotely through a wireless mobile network. With the support of the existing mature Internet of Things data transceiving and receiving display technology, a store operator or superior manager can know the specific numbers of valid and invalid customers entering a corresponding store in a period of time through a smart phone or PC.



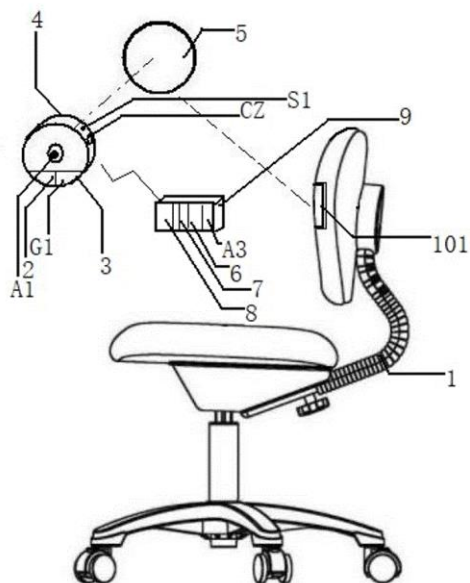
21: 2023/06676. 22: 2023/06/29. 43: 2024/01/18
51: G06Q

71: Xinping ZENG
72: Xinping ZENG

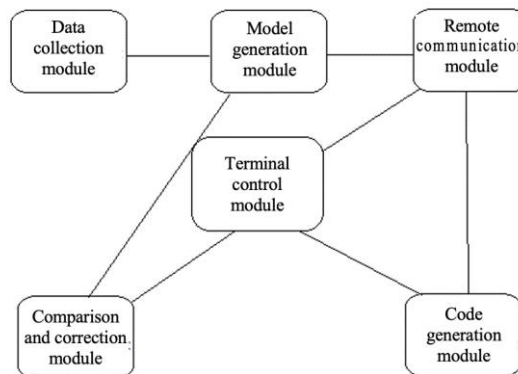
54: DEVICE FOR COUNTING NUMBER OF DINERS AND TIME OF DINING IN RESTAURANT

00: -
A device for counting number of diners and time of dining in a restaurant, comprising a dining chair, and further comprising a detecting mechanism and a receiving mechanism; wherein the detecting mechanism comprises a storage battery, a photoelectric switch and a delay detection circuit; the storage battery, the photoelectric switch and the delay detection circuit are installed in an element box and electrically connected, the front end of a chair back of the dining chair has a hole, and the

element box is installed in the hole of the chair back; the receiving mechanism comprises a power supply module, a wireless receiving circuit, a data sending circuit and a time control circuit; the power supply module, the wireless receiving circuit, the data sending circuit and the time control circuit are installed in a shell and electrically connected. With the utility model, a restaurant operator or superior manager can know the number of diners and table turnover rate of a corresponding restaurant in a period of time in real time.



parameter information for check and coarse adjustment; and acquiring a virtual check code based on a preset virtual code rule, and comparing the virtual check code with an actual check code acquired by an inspection and check apparatus in the smart meter through calculation for fine adjustment. The present invention uses a remote communication mode to perform inspection and check control on the smart meter, and realizes precise prediction and calculation on a check range of the smart meter by combining a digital twin technology and a random forest algorithm. In addition, the present invention reduces problems of inconsistent manual inspection standards, high cost and low efficiency in the prior art, and achieves high efficiency by less calculation.



21: 2023/06677. 22: 2023/06/29. 43: 2024/01/18
 51: H04L
 71: WAN'AN YUGAO ELECTRONIC TECHNOLOGY CO., LTD.
 72: LI, Zhenwen, LI, Feng
 33: CN 31: 2022107682824 32: 2022-07-01
54: REMOTE CHECKING METHOD AND SYSTEM FOR SMART METER

00: -
 The present invention discloses a remote check method and system for a smart meter, which are used to remotely control the check of the smart meter, wherein the remote check method comprises the following steps: collecting parameter information of the smart meter; performing signal connection with a service master station through a communication apparatus carried in the smart meter; establishing a virtual simulation model of the smart meter in the service master station based on the

21: 2023/06686. 22: 2023/06/29. 43: 2024/01/18
 51: A61K; C07K; C12N; A61P
 71: SHANGHAI HENLIUS BIOTECH, INC.;
 72: WANG, Jiin-Tarng, TSENG, Chi-Ling, JIANG, Wei-Dong, CHEN, Bin, XU, Yao, GAO, Jie
 33: WO 31: PCT/CN2020/133398 32: 2020-12-02
54: ANTI-GARP/TGFβ ANTIBODIES AND METHODS OF USE

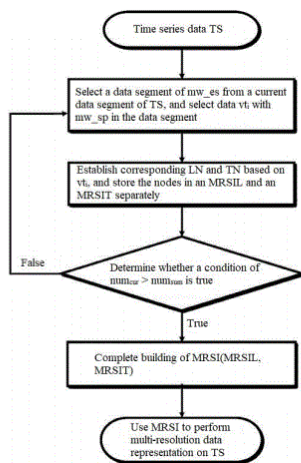
00: -
 Provided are antibodies and antibody derivatives that bind to GARP (also known as LRRC32 and CPPRDD) and/or GARP/TGFβ complex and methods of using the same. In certain embodiments, an anti-GARP/TGFβ antibody or antibody derivative provided herein can inhibit a TGFβ signal pathway in a target cell.

21: 2023/06712. 22: 2023/06/30. 43: 2024/01/17

51: G06F
 71: Lingnan Normal University
 72: LIU, Yong

54: METHOD FOR DIMENSIONALITY REDUCTION AND MULTI-RESOLUTION REPRESENTATION OF TIME SERIES DATA BASED ON WEIGHT

00: -
 The present invention relates to a method for dimensionality reduction and multi-resolution representation of time series data based on weight, which belongs to the field of data analysis and data mining. The method includes: based on piecewise linear representation, combining top-down piecewise linear representation and data points with large data weight, denoising the time series data, performing data segmentation and dimensionality reduction operations on the denoised time series data, and establishing a multi-resolution data representation index for corresponding data points according to different weights thereof in an operation process. On the basis of data dimensionality reduction, the present invention not only ensures accuracy of data expression, but also satisfies diverse requirements of different users for simplified data expression and data display in a multi-resolution display way.

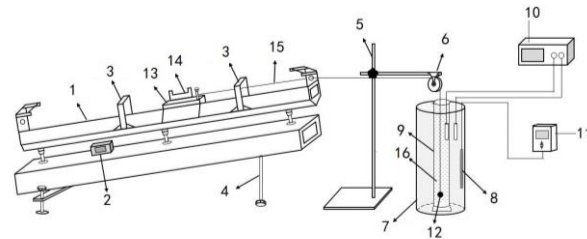


21: 2023/06713. 22: 2023/06/30. 43: 2024/01/17
 51: G01N
 71: ANQING NORMAL UNIVERSITY
 72: BAI Jin, SUN Yaoshun, ZHANG Xinyu, YU Hongqing, HE Yufeng, WANG Zehong, LIU Jianqiang, SUN Chunyan

33: CN 31: 202310614780.8 32: 2023-05-24
54: DEVICE AND METHOD FOR MEASURING VISCOSITY COEFFICIENT OF TEMPERATURE

CHANGEABLE LIQUID BY USING AIR CUSHION GUIDE RAIL BALL LIFTING METHOD

00: -
 The invention relates to the technical field of physical experiment data measurement, and discloses a device and a method for measuring viscosity coefficient of temperature changeable liquid by using air cushion guide rail ball lifting method, which comprises an air cushion guide rail, an acrylic cylinder, an iron support and a temperature measuring instrument. According to the invention, the air-cushion guide rail itself can make an object move approximately in a straight line without resistance on the rail surface, so that the error caused by friction in the previous mechanical experiments is greatly reduced, and the experimental result is close to the theoretical value; on this basis, the air-cushion guide rail is modified, an adjustable nut is added at one end of the air-cushion guide rail to change the inclination angle of the air-cushion guide rail, and a magnetic level is placed on the air-cushion guide rail to record the inclination angle of the guide rail. By changing the inclination angle of the guide rail, the tension of the string connected to the slider can be changed. Accurately measuring the inclination angle of the guide rail is easy to control and distinguish the uniform motion of the ascending ball, which reduces the experimental error and improves the accuracy.



21: 2023/06714. 22: 2023/06/30. 43: 2024/01/17
 51: C04B

71: Xinyu University
 72: Ling PI, Yujie LIU, Chengyuan WANG, Juan WANG, Jie LI

54: A NICKEL SLAG CEMENT-BASED GROUTING MATERIAL FOR PREFABRICATED BUILDINGS AND ITS PREPARATION METHOD

00: -
 The present invention provides a nickel slag cement-based grouting material for prefabricated buildings and its preparation method, relating to the field of

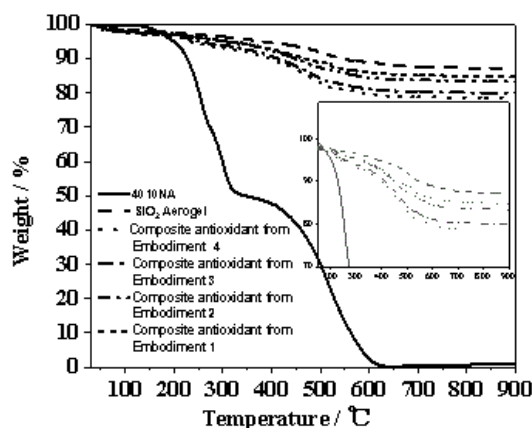
building grouting technology. The nickel slag cement-based grouting material for prefabricated buildings is composed of the following mass fractions: 30 parts of cementing material component, 55 parts of gradating material component, 5 parts of expansion material component, 5 parts of modified material component, and 15 parts of ultrafine powder component; the preparation method of nickel slag cement-based grouting material for prefabricated buildings, including the following steps: S1. preparation of raw materials; S2. cementing material mixture; S3. gradating material mixture; S4. grouting material mixture. By adding epoxy urushiol to its binder components, the overall corrosion resistance of the grouting material can be enhanced after being added to the grouting material, grouting material is mainly used in the grouting reinforcement of the gap position of the prefabricated building, the addition of epoxy urushiol can avoid the corrosion of the material caused by the water flow in the gap position, meanwhile, it can also enhance the overall fire resistance of the building and improve the overall service life and safety of the grouting material after solidification.

The form for recording of concrete bearing intension testing

Item	Corrosion resistance			Impermeability			Intensity			Grading ingredient			Expansion degree			Durability		
	1	3	7	1	3	7	1	3	7	1	3	7	1	3	7	1	3	7
Date (d)																		
Example 1	4	5	5	4	5	5	4	5	5	4	5	5	4	5	5	4	5	5
Example 2	4	4	4	4	4	4	1	1	2	4	4	5	4	5	5	4	4	5
Example 3	2	1	1	4	3	3	4	4	5	4	5	5	4	5	5	4	5	5
Example 4	1	1	1	4	4	4	3	4	5	4	4	5	3	5	5	4	5	5
Example 5	4	4	4	4	5	5	4	4	5	1	2	2	4	4	4	4	5	5
Example 6	3	4	5	3	5	5	4	5	5	3	4	5	1	1	1	4	4	4
Example 7	3	4	5	3	5	5	4	5	5	3	4	5	1	2	1	4	4	4
Example 8	4	4	5	4	5	5	3	3	3	4	4	5	4	5	5	4	5	5
Example 9	4	4	5	2	3	3	4	5	5	4	4	5	4	5	5	4	5	5
Example 10	4	4	5	4	5	5	2	3	4	4	4	5	4	5	5	4	5	5
Example 11	4	4	5	4	5	5	4	5	5	2	2	2	4	5	5	4	5	5
Example 12	4	4	5	4	5	5	4	5	5	2	1	3	4	5	5	4	5	5
Example 13	4	4	5	4	5	5	4	5	5	1	2	3	4	5	5	4	5	5
Example 14	4	4	5	4	5	5	4	5	5	2	3	3	4	5	5	4	5	5
Example 15	4	4	5	4	5	5	4	5	5	3	3	5	4	5	5	4	5	5
Example 16	4	4	5	4	5	5	4	5	5	3	4	5	4	5	5	4	5	5
Example 17	4	4	5	4	5	5	4	5	5	3	5	5	4	5	5	4	5	5
Example 18	4	4	5	4	5	5	4	5	5	4	4	5	4	5	5	4	5	5
Example 19	4	4	5	4	5	5	4	5	5	4	5	5	4	5	5	4	5	5
Example 20	4	4	5	4	5	5	4	5	5	5	5	5	4	5	5	4	5	5
Remarks	5-Excellent, 4- Good, 3-General, 2-Poor, 1-Extremely Poor																	

21: 2023/06716. 22: 2023/06/30. 43: 2024/01/17
51: C08L
71: Taiyuan University of Technology

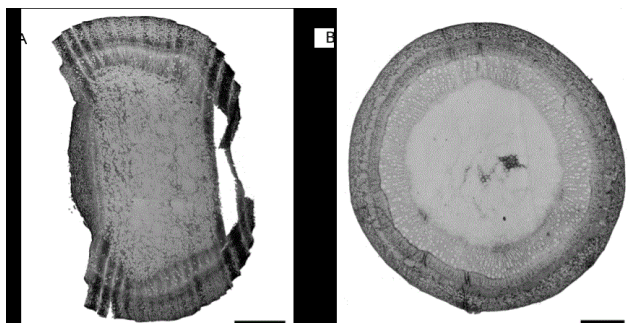
72: Fuyong LIU, Xuefei PING, Hongwei HE, Wenwen YU, Yanqin WANG, Zhiyi ZHANG, Qiang ZHENG
33: CN 31: 2022112642244 32: 2022-10-17
54: A COMPOSITE ANTIOXIDANT AND ITS PREPARATION METHOD, THERMAL-OXIDATIVE AGING RESISTANT RUBBER MATERIAL
00: -
The present invention provides a composite antioxidant and its preparation method, as well as a thermal-oxidative aging resistant rubber material, belonging to the field of rubber material. The advantage of high porosity and strong adsorption capacity of silica aerogel has been used to load the antioxidant in the pores of the silica aerogel. So that, the antioxidant can be slowly released from the pores of silica aerogel without migration and frost spraying after being compounded with rubber. Thereby the amount of antioxidant in rubber can be highly increased resulting in improving the thermal-oxidative aging resistance capacity of rubber materials. In addition, the obtained composite antioxidant has both anti-aging and reinforcement functions. At the same time, the silane coupling agent coated on the surface of silica aerogel can improve the dispersion of silica aerogel in rubber. The rubber material prepared using the composite antioxidant of the present invention has good mechanical properties and thermal-oxidative aging resistant properties.



21: 2023/06722. 22: 2023/06/30. 43: 2024/01/18
51: C12N
71: HUNAN PROVINCIAL COOPERATIVE CENTER OF WATER RESOURCES RESEARCH AND DEVELOPMENT, RESEARCH INSTITUTE OF FORESTRY CHINESE ACADEMY OF FORESTRY

72: Naifu ZHOU, Junpei ZHANG, Dong PEI
54: PARAFFIN SECTIONING METHOD FOR HETEROGENEOUS PLANT TISSUE

00: -
 The present disclosure relates to the field of plants, in particular to a paraffin sectioning method for a heterogeneous plant tissue. The present method employs the current year semi lignified branches of walnut and the stem segments in the healing area of walnut rootstocks and spikes 12 days after budding. The improved fixed solution is used for treating the stem segments. Softening the stem segments successively with a hydrogen oxide glacial acetic acid mixed solution and a 70% Tert-Butyl alcohol glycerol mixed solution, using Tert-Butyl alcohol gradient dehydration and sing Tert-Butyl alcohol to replace xylene to complete the wax dipping process. Compared with the traditional paraffin sectioning process, the entire sectioning process omits the transparent process in an xylene solution, which not only shortens the sectioning process, but also effectively prevents the material from becoming brittle during the transparent process, which helps the paraffin penetrate into the tissue in the next step and avoids the toxic hazards of xylene. This method cuts out tissue slices of walnut stem segments with a thickness of 8-12 μm and the healing area of walnut bud grafting rootstocks and spikes show complete tissue and clear display of various parts, significantly enhancing the slicing and observation effect.



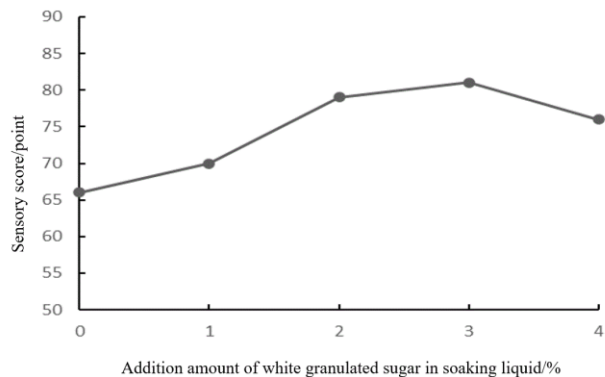
21: 2023/06723. 22: 2023/06/30. 43: 2024/01/18
 51: A61P
 71: PVP LABS PTE. LTD.
 72: KOSORUKOV, Vyacheslav Stanislavovich, ABUZAROVA, Guzal Rafailovna, GAMZELEVA, Olesya Yuryevna
 33: RU 31: 2023101017 32: 2023-01-18
54: A METHOD FOR THE TREATMENT OF PAIN AND A MEDICINAL PRODUCT FOR ADMINISTRATION DURING PAIN

00: -
 The proposed group of inventions pertains to medicine, and specifically, to methods for the treatment, control and prevention of pain using the tetrapeptide Tyrosyl-D-arginyl-phenylalanyl-glycinamide (H-Tyr-D-Arg-Phe-Gly-NH₂) and to a medicinal product on the basis of this tetrapeptide and can be used for acute or chronic pain, in particular, in cancer patients and in the early postoperative period after various surgical interventions. A method is proposed for the treatment, control and prevention of pain, which includes administering the tetrapeptide Tyrosyl-D-arginyl-phenylalanyl-glycinamide (H-Tyr-D-Arg-Phe-Gly-NH₂) at a single dose of 2 mg to 7 mg, for a daily dose not exceeding 42 mg, with a dosing interval of 4 hours or more and a duration of the pain treatment course of up to 96 days, with the possibility of repeating the course multiple times. Additionally, a medicinal product is proposed for being used in the claimed methods for the treatment and/or prevention and/or control of pain, which comprises the tetrapeptide Tyrosyl-D-arginyl-phenylalanyl-glycinamide (H-Tyr-D-Arg-Phe-Gly-NH₂) and excipients: sodium chloride, mannitol, glycine, sodium acetate trihydrate, acetic acid and water at the following ratio of the components, wt %: Tetrapeptide 0.380 – 0.420 Sodium chloride 0.475 – 0.525 Mannitol 0.475 – 0.525 Glycine 0.475 – 0.525 Sodium acetate trihydrate 0.0380 – 0.0420 Acetic acid up to pH 4.0 - 6.0 Water Up to 100.

21: 2023/06724. 22: 2023/06/30. 43: 2024/01/18
 51: A23L
 71: Leshan Normal University, Sichuan Deshunyuan Food Co., Ltd
 72: Nong Xiang, Li Yulian, Hu Ye, Su Hui
54: DEVELOPMENT PROCESS OF FREEZE-DRIED DICTYOPHORA INDUSIATA BAMBOO BIRD'S NEST. PRODUCTS

00: -
 The present disclosure provides a development process of freeze-dried Dictyophora indusiata Bamboo bird's nest. products, and relates to the technical field of food processing. The development process of the freeze-dried Dictyophora indusiata Bamboo bird's nest. products includes the following steps: S1. washing Dictyophora indusiata; S2. boiling; S3. soaking; S4. washing Bamboo bird's

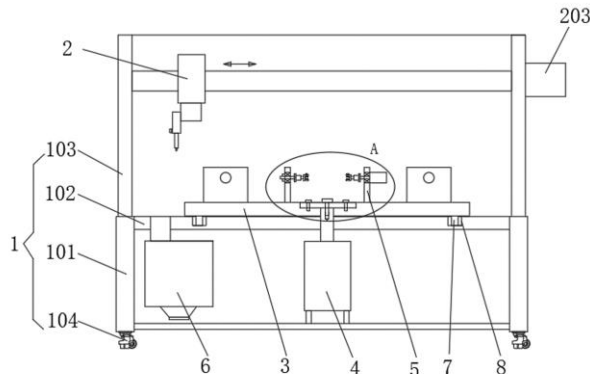
nest.; S5. pasting; and S6. freeze-drying. By putting the Bamboo bird's nest. into a Dictyophora indusiata stipe and then freeze-drying, original color and fragrance of the Dictyophora indusiata and the Bamboo bird's nest. are kept to a great extent, so as to reduce damage of heat-sensitive components of food materials and reduce a loss of nutrients and flavor substances, thus maintaining original components, taste, color and fragrance of food.



21: 2023/06725. 22: 2023/06/30. 43: 2024/01/18
 51: B23K
 71: JIANGXI YINGGAO TECHNOLOGY CO., LTD
 72: ZHAO, Yunhua, GUO, Chao
 33: CN 31: 2023100502030 32: 2023-02-01
54: PCB ELEMENT WELDING APPARATUS
 00: -

The present invention discloses a PCB element welding apparatus, and relates to the field of welding apparatuses. The PCB element welding apparatus comprises a rack, an adjustable welding mechanism, a multi-station rotary mechanism, and a first rotary motor, wherein the rack comprises a lower bracket and an upper bracket that are connected to each other, a workbench is mounted on the lower bracket, the multi-station rotary mechanism is mounted on the workbench, and the first rotary motor is connected to the multi-station rotary mechanism and drives the multi-station rotary mechanism to rotate so as to complete a station conversion; and the adjustable welding mechanism is mounted on the upper bracket, and the adjustable welding mechanism corresponds to a single station of the multi-station rotary mechanism and is adjusted to reach a position directly above a to-be-welded PCB element. The present invention has a reasonable layout and is convenient to be mounted and used. With a multi-station design, the synchronization of

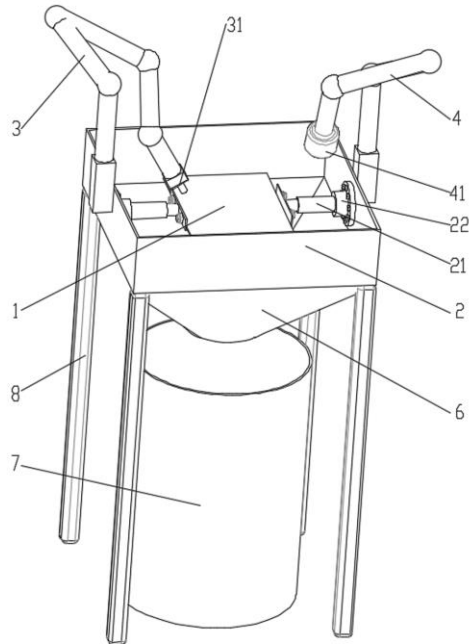
loading, unloading, and welding operations is implemented, which improves the work efficiency. A positioning component is designed into an integrally rotatable structure with telescopic and adjustable spacing and thickness, so that the clamping operation of PCB elements with different specifications is met, and double-sided welding is implemented.



21: 2023/06726. 22: 2023/06/30. 43: 2024/01/18
 51: B08B
 71: WAN AN YU WEI ELECTRONICS CO., LTD.
 72: ZHAO, Yunhua, GUO, Chao
 33: CN 31: 2023102016450 32: 2023-03-06
54: CLEANING APPARATUS AND CLEANING METHOD FOR PCB BOARD
 00: -

The present invention discloses a cleaning apparatus and a cleaning method for a PCB board, which are used to clean the PCB board. The apparatus comprises: a fixing frame, wherein clamping rods are connected to two symmetrical inner side walls of the fixing frame, and the PCB board is clamped between the two clamping rods; a first multi-degree-of-freedom mechanical arm, wherein a fixed end of the first multi-degree-of-freedom mechanical arm is connected to an outer side wall of the fixing frame, and a free end of the first multi-degree-of-freedom mechanical arm is provided with a spray head, and the spray head is in communication with a high-pressure pump through a hose; and a second multi-degree-of-freedom mechanical arm, wherein a fixed end of the second multi-degree-of-freedom mechanical arm is connected to an outer side wall of the fixing frame, and a free end of the second multi-degree-of-freedom mechanical arm is provided with a fan. The

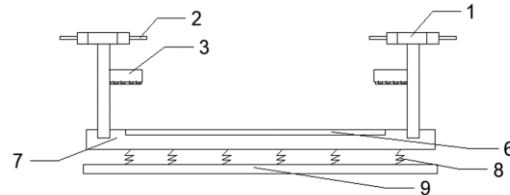
present invention can achieve the technical effects of performing multi-angle washing and cleaning on the PCB board and introducing an airflow to accelerate the drying of the PCB board.



21: 2023/06727. 22: 2023/06/30. 43: 2024/01/18
 51: G06F
 71: JIANGXI YINGGAO TECHNOLOGY CO., LTD
 72: XIE, Shunman, XIE, Shuntie
 33: CN 31: 2023102756775 32: 2023-03-21
54: FIXING APPARATUS CONVENIENT FOR PCB BOARD DETECTION

00: -
 The present invention discloses a fixing apparatus convenient for PCB board detection, and belongs to the technical field of PCB board fixing. The fixing apparatus comprises: a base plate; a PCB board detection platform, wherein the PCB board detection platform is positioned at an upper end of the base plate and connected to the base plate through a plurality of damping springs, and the PCB board detection platform is configured to place a PCB board; and a pressing assembly, wherein the pressing assembly is positioned at an upper end of the PCB board detection platform and connected to the PCB board detection platform, and the pressing assembly cooperates with the PCB board detection platform to fix the PCB board. According to the present invention, a simple structure is provided to

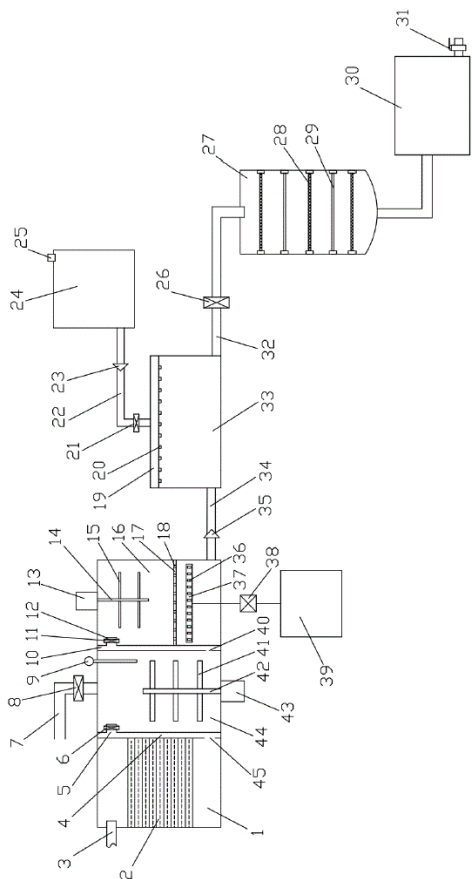
firmly clamp the PCB board, so that a workpiece does not loosen; a protective pad is provided to ensure that the clamping surfaces of the PCB board are not damaged; a pressing rod is provided, and a force arm of a pressing nut is increased, so that force application is convenient; meanwhile, a damping spring is provided to slow down the damage to the PCB board detection platform.



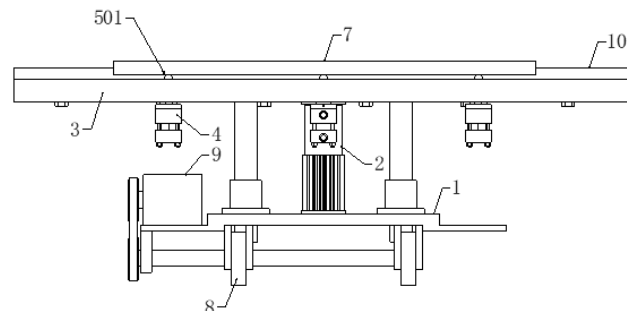
21: 2023/06728. 22: 2023/06/30. 43: 2024/01/18
 51: C02F
 71: WAN AN YU WEI ELECTRONICS CO., LTD.
 72: KANG, Zhixiong, SI, Yongshun
 33: CN 31: 2023102016376 32: 2023-03-06
54: PCB BOARD WASTEWATER RECOVERY SYSTEM

00: -
 The present invention discloses a PCB board wastewater recovery system, which belongs to the technical field of circuit board production wastewater treatment. The system comprises: a treatment tank, a flocculation tank, an electrolytic tank, and a recovery storage tank that are sequentially communicated through a pipeline along a flow direction of wastewater; the treatment tank comprises a tank body, wherein a first hollow partition plate and a second hollow partition plate are arranged in the tank body and divide the tank body into a filtering tank, an alkali washing tank, and a coagulation tank that are arranged independently along the flow direction of wastewater; a water inlet is arranged at one end of the filtering tank and that is far away from the first hollow partition plate; a flocculant adding apparatus is arranged at an upper end of the flocculation tank; and a plurality of monopolar electrode plates and a plurality of bipolar electrode plates are arranged in the electrolytic tank from top to bottom, and the monopolar electrode plates and the bipolar electrode plates are alternately arranged. According to the present invention, the treatment tank, the flocculation tank, the electrolytic tank, and the recovery storage tank

are sequentially arranged in the flowing direction of the wastewater through a pipeline, so that the treatment effect of the PCB board wastewater is improved, the structure is simple, the filtering effect is good, and no secondary treatment is needed.



connected with a universal ball arranged in a corresponding hole position on the supporting plate; when the executing rod extends, a rolling ball in the universal ball is exposed relative to the supporting plate; a movable plate is arranged on the supporting plate and is supported by the rolling ball to form a rolling friction pair; when the executing rod retracts, the rolling ball falls below the plate surface of the supporting plate, and the movable plate is supported by the supporting plate to form a sliding friction pair.



21: 2023/06738. 22: 2023/06/30. 43: 2024/01/18
51: B29C

71: YACHOO TECHNOLOGY CO., LTD
72: YIN, Hao, JIANG, Lingzhi, LIU, Huayang, XU, Xiankun

33: CN 31: 202111652213.9 32: 2021-12-30

54: SUPPORTING PLATE DEVICE FOR RUBBER TRACK VULCANIZATION PROCESS AND USE METHOD THEREOF

00: -

Disclosed is a supporting plate device and method for a rubber track vulcanization process comprising a supporting plate which is driven by a supporting plate lifting driving element to rise and fall relative to an underframe; a lower side on the supporting plate has a group of universal ball lifting driving elements each having a telescopic executing rod which is

21: 2023/06775. 22: 2023/07/03. 43: 2024/01/23
51: C10L

71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: LI, Lin, MA, Chuandong, YOU, Xiaofang, WANG, Junxiang, HE, Meng, LI, Zhisen, ZHANG, Wenqi

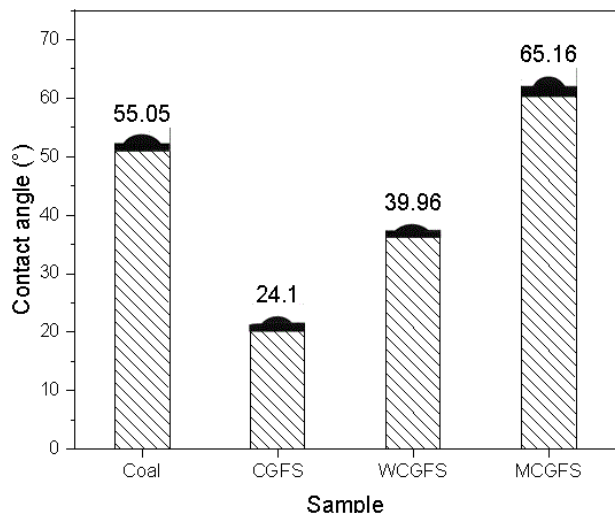
33: CN 31: 202310240562.2 32: 2023-03-13

54: METHOD OF PREPARING COAL WATER SLURRY BY UPGRADING, MODIFYING, AND MIXING COAL GASIFICATION FINE SLAG

00: -

The present invention discloses a method of preparing coal water slurry by upgrading, modifying, and mixing coal gasification fine slag, including the following steps: conducting microwave irradiation to gasify fine slag, so as to obtain upgraded coal gasification fine slag; adding waste diesel oil to the upgraded coal gasification fine slag, stirring to obtain the upgraded coal gasification fine slag modified with the waste diesel oil; mixing the upgraded coal gasification fine slag modified with the waste diesel oil and raw coal powder, dispersant, and water, shearing and stirring to prepare coal water slurry. The present disclosure uses the modified upgraded coal gasification fine slag as a mixing material for the preparation of coal water slurry, which can effectively improve the slurry performance and concentration of coal water slurry (reaching over 68wt%), thereby improving the calorific value and

gasification efficiency of coal water slurry. Moreover, the present disclosure effectively solves the problem of resource utilization of coal gasification fine slag and reduces the production cost of coal water slurry.

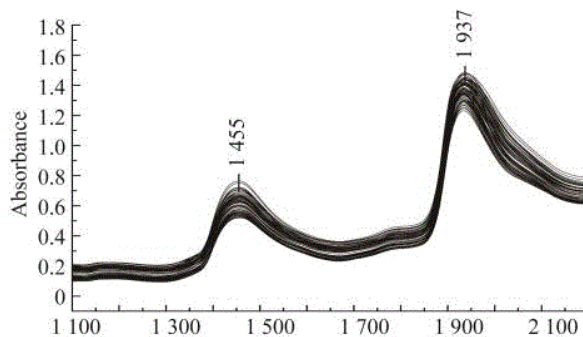


21: 2023/06779. 22: 2023/07/03. 43: 2024/01/23
 51: G01N
 71: EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY
 72: Hao Fu, Runmei Duan, Jian Hao, Hongyan Jia, Hongguo Li, Yuanyuan Zhong, Angang Ming, Yanan Wang, Baoguo Yang, Ning An, Zhongguo Li, Yunxing Li, Kun Yang

54: A METHOD FOR NONDESTRUCTIVE AND RAPID DETECTION OF SOLUBLE PROTEINS IN PLANT LEAVES

00: -
 The invention relates to the technical field of soluble protein detection in plant leaves. It discloses a method for nondestructive and rapid detection of soluble protein in plant leaves, which comprises the following steps: S1. Take seven test tubes measuring 18 multiply 200mm, given the No. 1-7, and then add 0, 0.1, 0.2, 0.4, 0.6, 0.8, and 1.0 mL standard protein solution respectively, and pour 1 mL of distilled water. The protein contents in each tube were 0, 25, 50, 100, 150, 200, and 250 microgramme per milliliter, respectively. The method for nondestructive and rapid detection of soluble protein in plant leaves has the advantages of simple operation steps and simple operation process and saves the cost of manpower and material resources required for traditional detection for enterprises; it is suitable for the rapid and efficient analysis of the main components of plant protein, and has the

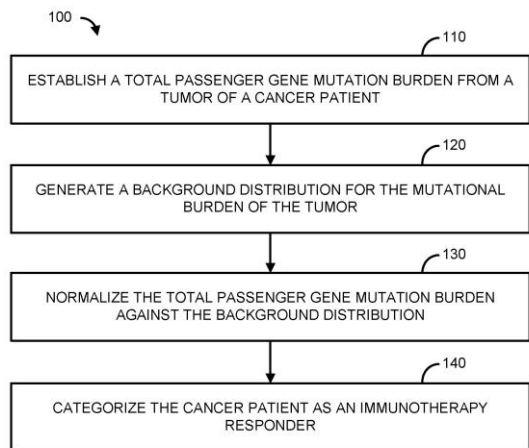
advantages of fast detection, high analysis efficiency, good stability, and reproducibility, at the same time in the detection process, can reduce the material loss, while reducing pollution, to achieve the goal of nondestructive testing.



21: 2023/06801. 22: 2023/07/04. 43: 2023/12/06
 51: C12Q
 71: REGENERON PHARMACEUTICALS, INC.
 72: LIM, Wei Keat

54: IMMUNOTHERAPY METHODS FOR PATIENTS WHOSE TUMORS CARRY A HIGH PASSENGER GENE MUTATION BURDEN

00: -
 Methods for selecting a cancer patient for immunotherapy comprise establishing a total passenger gene mutation burden from a tumor of a cancer patient, generating a background distribution for the mutational burden of the tumor, normalizing the total passenger gene mutation burden against the background distribution, and categorizing the cancer patient as an immunotherapy responder when the total passenger gene mutation burden is greater than the mean of the background distribution. When the cancer patient is an immunotherapy responder, the patient may be administered an immunotherapy regimen that comprises activation/inhibition of T cell receptors that promote T cell activation and/or prolong immune cytolytic activities.



21: 2023/06860. 22: 2023/07/06. 43: 2024/01/23
51: C01B

71: Huzhou College

72: XU, Shunjian, LUO, Yongping, ZHANG, Yuanjun, WANG, Yongya, LI, Xianchang

54: PREPARATION METHOD FOR POROUS CARBON MATERIAL

00: -

The present invention relates to a preparation technique for a carbon functional material, and in particular, to a preparation method for a porous carbon material. In the present invention, hydroquinone and terephthalaldehyde are used as starting materials, an alkaline compound is used as a catalyst to catalyze a hydroquinone and terephthalaldehyde condensation reaction to prepare a colloidal resin, and the preparation method provided in the present invention has a good repeatability. In addition, the present invention uses alkaline lignin, which has both an aldehyde group and a phenolic hydroxyl group. During the synthesis of phenol formaldehyde resins, the alkaline lignin may be used as a raw material for preparing the phenol formaldehyde resins to fully participate in the reaction. Meanwhile, the present invention uses ethylene glycol having a low boiling point as a pore forming agent to endow the carbon material with a well-developed pore channel.

21: 2023/06886. 22: 2023/07/07. 43: 2024/01/23
51: G06T

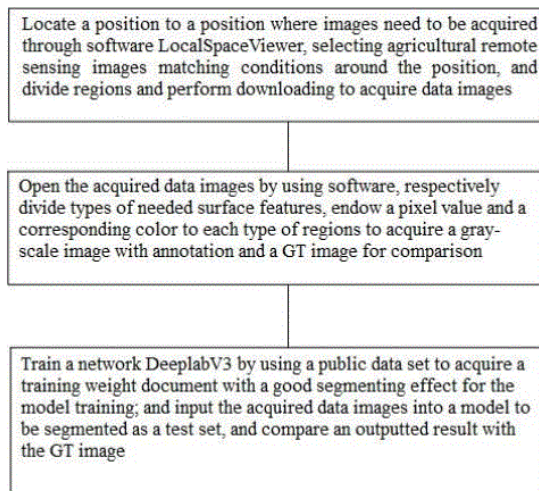
71: Henan University of Urban Construction

72: JIANG, Yongtao, DING, Leixiang, WANG, Limei, ZHANG, Caili, GAO, Songfeng, WEN, Feng, YANG, Yun, ZHOU, Yushi, CHEN, Lianjun, LU, Kun, PAN, Shangtao

54: METHOD AND SYSTEM FOR ANALYZING AGRICULTURAL REMOTE SENSING IMAGES

00: -

Disclosed are a method and system for analyzing agricultural remote sensing images. The method includes the following steps: data image acquisition: locating a position to a position where images need to be acquired through software LocalSpaceViewer, selecting agricultural remote sensing images matching conditions around the position, and dividing regions and performing downloading to acquire data images; data image processing: endowing a pixel value and a corresponding color to each category of regions to acquire a gray-scale image with annotation and a GT image for comparison; and data image analysis: inputting the acquired data images into a model to be segmented as a test set, and comparing an outputted result with the GT image. The method and system have the advantages of identifying and segmenting the images accurately, and so on.



21: 2023/06887. 22: 2023/07/07. 43: 2024/01/23
51: G06Q

71: Henan University of Urban Construction

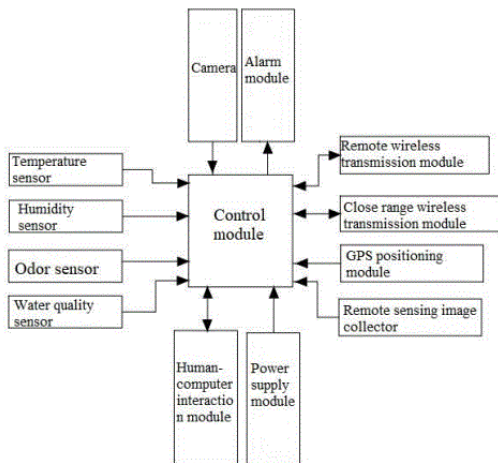
72: YANG, Yun, GUO, Huanhuan, GAO, Songfeng, ZHOU, Yushi, SONG, Ziyang, JIANG, Yongtao

54: WATER QUALITY MONITORING DEVICE BASED ON AGRICULTURAL REMOTE SENSING POSITIONING

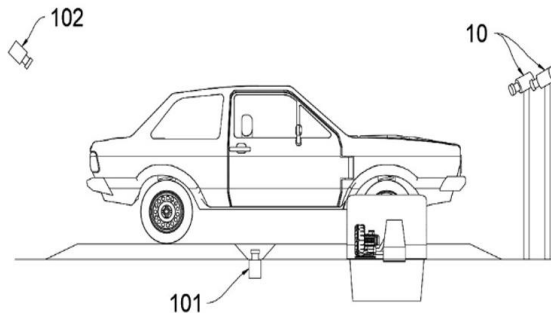
00: -

Disclosed is a water quality monitoring device based on agricultural remote sensing positioning, including a control module, an odor sensor, a water quality

sensor, a remote sensing image collector, a GPS positioning module, a remote wireless transmission module, a close-range wireless transmission module, an alarm module, a human-computer interaction module, a power supply module, a humidity sensor and a camera. The device acquires remote sensing image data through the remote sensing image collector, acquires odor information of air near a water source by using the odor sensor, acquires water quality information through the water quality sensor, performs centralized processing on the acquired information and then transmits the information to a water quality monitoring center for processing and displaying, can mater the agricultural pollution timely, and performs early warning display according to a monitored result, thereby playing an effective role of preventing and controlling agricultural pollution.



the automobile side slip inspection unit and the automobile brake inspection unit; the appearance scanning portion scans and records structures, colors, and tire statuses of a vehicle appearance, and transmits scanned information to the data analysis portion; the data analysis portion analyzes vehicle appearance data and tire statuses transmitted by the appearance scanning portion to determine whether the vehicle appearance is complete, and controls a working status of the wheel cleaning portion through analysis results; and the wheel cleaning portion cleans wheels of a vehicle to ensure that tires are in a normal working status. The appearance scanning portion cooperates with the data analysis portion to inspect a vehicle appearance, which avoids a problem of missing inspection caused by work negligence or inconsistent inspection standards in manual inspection.



21: 2023/07725. 22: 2023/08/04. 43: 2024/01/17
 51: B60S; G01D; G01M
 71: QIAN'AN FUYUN MOTOR VEHICLE TESTING CO., LTD.
 72: CHEN, Jiawei
 33: CN 31: 202310050994.7 32: 2023-02-02
54: EFFICIENT COMPREHENSIVE INSPECTION SYSTEM FOR AUTOMOBILE
 00: -

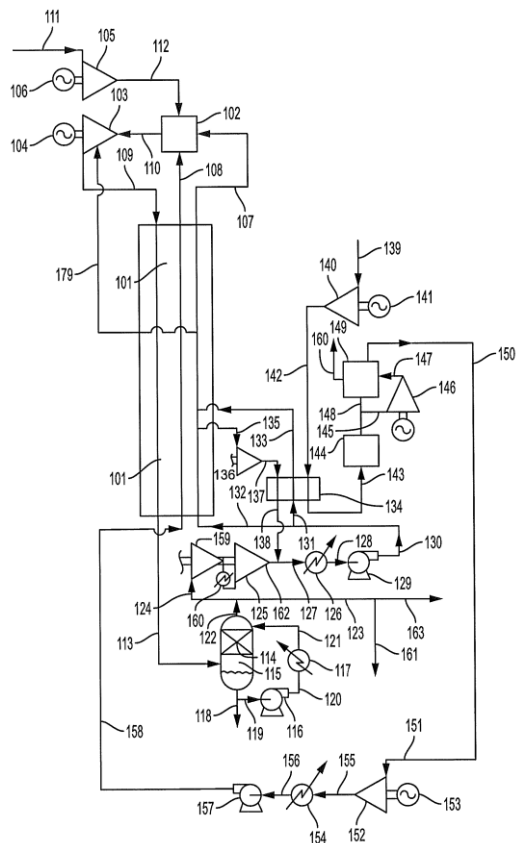
The present invention relates to an efficient comprehensive inspection system for an automobile. The system includes an automobile side slip inspection unit, an automobile brake inspection unit, an appearance scanning portion, a data analysis portion, and a wheel cleaning portion, wherein the wheel cleaning portion is arranged at upstream of

21: 2023/07819. 22: 2023/08/08. 43: 2023/12/04
 51: C10J; F01K; F02C
 71: 8 RIVERS CAPITAL, LLC
 72: ALLAM, Rodney John, RAFATI, Navid
 33: US 31: 62/419,552 32: 2016-11-09

54: SYSTEMS AND METHODS FOR POWER PRODUCTION WITH INTEGRATED PRODUCTION OF HYDROGEN

00: -
 The present disclosure relates to systems and methods useful for power production. In particular, a power production cycle, comprising a first combustor (102) and a turbine (103), utilizing CO₂ as a working fluid may be configured for simultaneous hydrogen production in an additional hydrogen production unit. Beneficially, substantially all carbon arising from combustion in power production and hydrogen production is captured in the form of carbon dioxide. Further, produced hydrogen (optionally mixed with nitrogen (160) received from an air separation unit) can be input as fuel in a gas turbine combined cycle

unit for additional power production therein without any atmospheric CO₂ discharge.



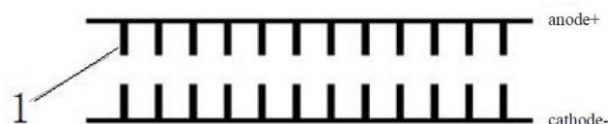
21: 2023/08363. 22: 2023/08/30. 43: 2024/01/04
 51: C04B
 71: CBMI CONSTRUCTION CO., LTD.,
 SOUTHWEST UNIVERSITY OF SCIENCE AND
 TECHNOLOGY
 72: LI, Jun, LI, Runguo, ZENG, Jisheng, HOU, Li,
 ZHANG, Chao, ZHENG, Xianming, LU, Zhongyuan,
 JIANG, Jun
 33: CN 31: 2022112016787 32: 2022-09-29
**54: PREPARATION METHOD FOR ACTIVATED
 KAOLINITE**

00: -
 The present disclosure provides a preparation method for an activated kaolinite, which adopts a thermal activation reduction method to obtain the activated kaolinite. Specifically, a prepared raw meal is dried and then thermally decomposed for activation, and after cooling, the activated kaolinite is obtained. The appearance of the activated kaolinite obtained by the present disclosure is greyish black, the activity index is greater than or equal to 90%, and the fluidity ratio of cement mortar is greater than or equal to 95%. The materials used by the present

disclosure are all nonmetallic mine tailings or washing wastes, realizing the treatment of tailings into resources and reducing environmental pollution.

21: 2023/08492. 22: 2023/09/04. 43: 2024/01/04
 51: C02F
 71: China Construction Industrial & Energy
 Engineering Group Co., Ltd.
 72: ZHU, Hao, LIU, Hanfei, GAO, Yuan, JI, Yufan,
 NI, Songbo, HUANG, Yiping
 33: CN 31: 2022114043774 32: 2022-11-10
**54: HYDRAULIC SELF-ADAPTIVE
 ELECTROCHEMICAL SEMI-FLEXIBLE REACTION
 DEVICE**

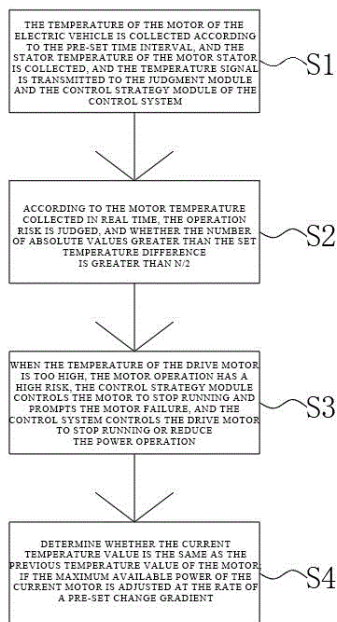
00: -
 The invention provides a hydraulic self-adaptive electrochemical semi-flexible reaction device, which comprises an anode, a cathode, a power supply and a water inlet and outlet system, wherein the anode and the cathode are arranged in parallel in a mirror image manner and are respectively connected with a positive electrode and a negative electrode of the power supply; both the anode and the cathode are provided with a current collector and a flexible catalytic sheet array, the flexible catalytic sheet array is fixed on the current collector, and the catalytic surface of a flexible catalytic sheet is arranged perpendicular to a water inlet and outlet direction. According to the invention, the problems that a traditional fixed electrochemical reaction device has a single function and limited flexibility and adaptability to deal with complex wastewater can be solved.



21: 2023/08636. 22: 2023/09/08. 43: 2023/11/16
 51: H02H
 71: West Anhui University
 72: Chengling Lu, Gang Zhang, Jie Fang, Chengtao
 Du, Xuejuan Wu
**54: PROTECTION METHOD FOR
 OVERTEMPERATURE OF PERMANENT MAGNET
 ELECTRIC MOTOR IN ALL-ELECTRIC VEHICLE**

00: -
 The invention discloses a method for protecting the overtemperature of a permanent magnet motor in a

blade electric vehicle, and relates to the technical field of a permanent magnet motor. It includes the following steps: S1: according to a pre-set time interval to collect the motor temperature of the electric vehicle, collect the stator temperature of the motor stator, and transmit the temperature signal to the judgment module and control strategy module of the control system. The control system judges the temperature of the permanent magnet motor, and gradually adjusts the maximum available power of the motor with the rate of pre-set change gradient. This avoids problems such as vehicle turbulence caused by instantaneous changes caused by excessive power changes, which improves the stability of motor operation. The method collects the temperature of the motor and the rotor temperature in real time to realize the real-time monitoring of the temperature state of the motor, takes different ways to control the operation of the motor according to the temperature state of the motor, and takes different protection measures for different temperature states to achieve accurate heat dissipation of the motor and protect the motor.

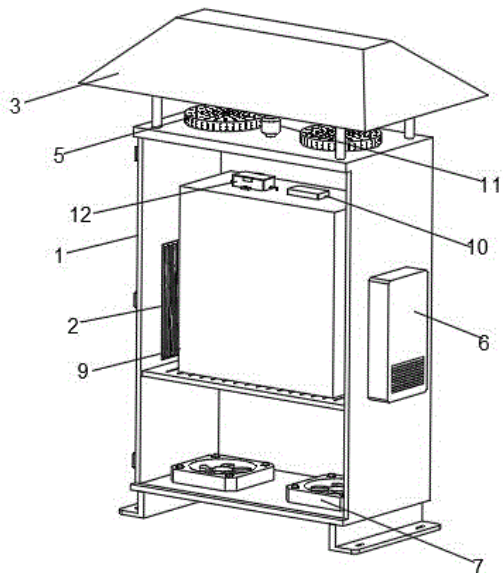


54: AN OVERHEATING CIRCUIT PROTECTION BREAKER DEVICE FOR ELECTRICAL EQUIPMENT

00: -

The invention relates to the technical field of electrical equipment, in particular to an overheating circuit protection breaker device for electrical equipment. The invention comprises a chamber, a refrigerator and an electrical component. The air filter is fixed on the left side wall of the chamber, and the refrigerator is fixed on the right wall of the chamber. The upper end of the chamber is fixed with an exhaust fan, and the inner wall at the bottom is fixed with a cooling fan; A mounting plate is fixed on the inner wall of the box, a strip-shaped hole is provided on the side wall of the mounting plate, and the electrical components are fixed on the upper side wall of the mounting plate. When the electrical components are overloaded, when the heat continues, when the temperature detected by the temperature sensor exceeds the highest temperature, the controller supplies power to the electromagnet. The electromagnet produces a suction force on the electrode plate ii, and one end of electrode plate ii are tilted and adsorbed with the electromagnet, so that the electrode plate ii and the electrode plate i are separated. The wire break on the electrical components can stop the electrical components from working, which can prevent the prolonged high temperature and overload operation from affecting the service life of the electrical equipment.

21: 2023/08637. 22: 2023/09/08. 43: 2023/11/16
 51: H02B
 71: Anhui Lutai Electric Technology Co., Ltd.
 72: Yanxue Zhang



21: 2023/09475. 22: 2023/10/11. 43: 2023/12/06
51: G06F

71: WUYI UNIVERSITY

72: FENG, Yue, WU, Xin, XU, Hong, CHEN, Tao, LIN, Zhuosheng, MA, Yuangang, LIU, Qichao

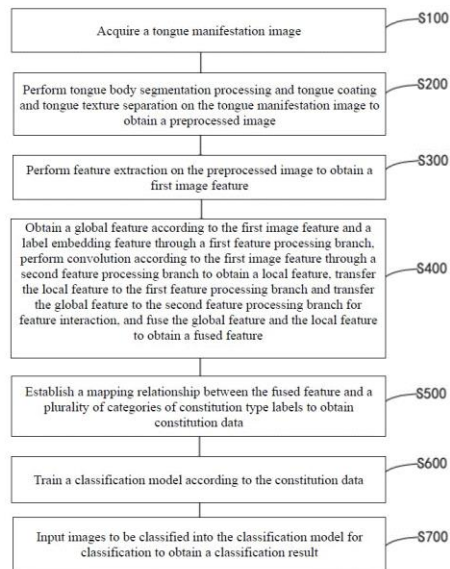
33: CN 31: 202310974739.1 32: 2023-08-03

54: CONSTITUTION MULTI-LABEL CLASSIFICATION METHOD, DEVICE AND MEDIUM

00: -

Embodiments of the present disclosure provide a constitution multi-label classification method, a device and a medium. Feature extraction is performed on a preprocessed image of a tongue manifestation image; a global feature is obtained according to a first image feature and a label embedding feature through a first feature processing branch, convolution is performed according to the first image feature through a second feature processing branch to obtain a local feature, the local feature is transferred to the first feature processing branch and the global feature is transferred to the second feature processing branch for feature interaction, and the global feature and the local feature are fused to obtain a fused feature; classification is performed using the fused feature; and the features are dynamically interacted to enable a model to better understand the correlation and dependence between different features, such that the second feature processing branch can provide richer input for the first feature processing branch through bottom-up feature extraction, and the

first feature processing branch can guide the feature extraction of the second feature processing branch through a top-down attention mechanism, thus improving the generalization ability of classification.



21: 2023/09476. 22: 2023/10/11. 43: 2023/12/06
51: H04N

71: WUYI UNIVERSITY

72: XU, Hong, MA, Yuangang, FENG, Yue, CHEN, Tao, LIN, Zhuosheng, WU, Xin, LIU, Qichao

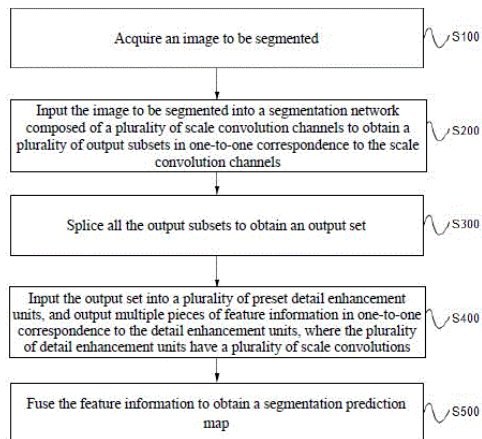
33: CN 31: 202311055780.5 32: 2023-08-21

54: IMAGE SEGMENTATION METHOD AND SYSTEM BASED ON MULTI-SCALE DETAIL ENHANCEMENT, DEVICE AND MEDIUM

00: -

An image segmentation method and system based on multi-scale detail enhancement, a device and a medium are disclosed. The method includes: acquiring an image to be segmented; inputting the image to be segmented into a segmentation network composed of a plurality of scale convolution channels to obtain a plurality of output subsets in one-to-one correspondence to the scale convolution channels; splicing all the output subsets to obtain an output set; inputting the output set into a plurality of preset detail enhancement units, and outputting multiple pieces of feature information in one-to-one correspondence to the detail enhancement units, where the plurality of detail enhancement units have a plurality of scale convolutions; and, fusing the feature information to obtain a segmentation prediction map. According to the present disclosure, the skeleton of the convolution kernel can be

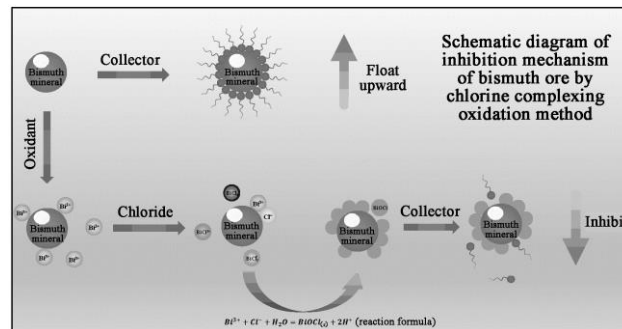
enhanced, the effective receptive field of the backbone part of the network can be improved, and the influence of redundant information on the subsequent feature fusion can be reduced.



21: 2023/09490. 22: 2023/10/11. 43: 2023/11/16
 51: B03B; B03D
 71: CENTRAL SOUTH UNIVERSITY
 72: ZHANG, Hongliang, LIN, Shangyong, SUN, Wei, HU, Yuehua, LIU, Runqing
 33: CN 31: 202110408453.8 32: 2021-04-16
54: INHIBITOR FOR SORTING MOLYBDENUM-BISMUTH ORES AND APPLICATION THEREOF
 00: -

An inhibitor for sorting koechlinite and an application method therefor are provided. Firstly, an oxidant is introduced into flotation pulp, and the surface of a bismuth mineral is selectively oxidized to form free bismuth ions on the surface thereof. Then, a chlorine compound is introduced, and a hydrophilic bismuth oxychloride layer is formed on the surface of the bismuth mineral by a complexing and hydrolysis effect of bismuth ions and chloride ions, so as to achieve the aim of inhibiting the bismuth mineral from floating upward. The inhibitor is configured for a sorting operation of koechlinite. The inhibition effect generated by the inhibitor is stronger than that generated by a traditional inhibitor, and the selectivity is better. A molybdenum mineral may be fully separated from the bismuth mineral. The flotation index of a molybdenum concentrate is increased. The application method is easy to operate, and also avoids the defects that a traditional toxic inhibitor is used in a large dose and operated in a harsh environment, causes serious environmental pollution, and is harmful to the human

body. A flotation process is simplified, flotation reagents are reduced, and the dosage of reagents is reduced. In addition, the separation effect is good, the environmental pollution is low, and industrial application is facilitated.



21: 2023/09997. 22: 2023/10/26. 43: 2023/12/05
 51: A61B
 71: Shanghai Pudong New Area Gongli Hospital (Gongli Hospital affiliated to the Second Military Medical University)
 72: Chen Xiaoping, Chen Peng, Ren Caixia, Sun Yue
 33: CN 31: 202111548513.2 32: 2021-12-17
54: A COMBINED RIGID AND FLEXIBLE ENDOSCOPE WITH FLUSHING AND SUCTION FUNCTIONS
 00: -

This invention discloses a combined rigid and flexible endoscope with flushing and suction functions, characterized by comprising: a rigid outer tube, a flexible outer tube, wherein the front end of the rigid outer tube is connected to the flexible outer tube, the rear end of the rigid outer tube is connected to an operating handle, and the rear end of the operating handle is detachably connected to an imaging device; inside the flexible outer tube and the rigid outer tube are arranged light guide fiber distribution channels, image transmission lines, inner support rod channels, flushing channels, and drainage channels. Among them, light guide fibers are distributed in the light guide fiber distribution channel, and there are movable inner support rods in the inner support rod channel. The front end of this endoscope is a flexible mirror section with a bendable mirror body, while the rear end is a normal rigid mirror structure. Inside the mirror body, there are flushing and drainage channels, which can be used for flushing and draining within the cavity to ensure a clear view within the cavity.

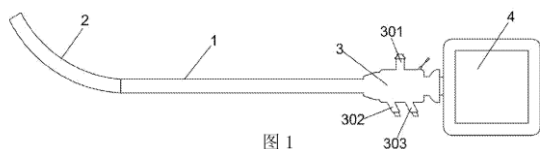


图 1

21: 2023/10184. 22: 2023/10/30. 43: 2023/11/13
51: A61K; A61P; C07D
71: Azafaros B.V.

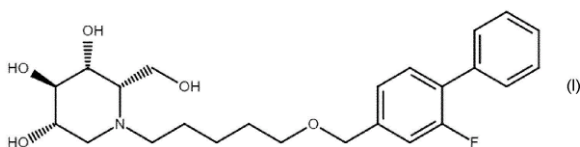
72: HETT, Robert, BLATTER, Fritz, ROBIN,
Jennifer, LANDSKRONER, Kyle

33: EP(NL) 31: 20199934.9 32: 2020-10-02

**54: CRYSTALLINE FORMS OF A
PHARMACEUTICAL COMPOUND**

00: -

The present invention relates to a crystalline form of compound (I) and a method of making the crystalline form of compound (I). The invention also provides pharmaceutical compositions comprising the crystalline form of compound (I). Furthermore, the invention relates to methods of using this crystalline form of compound (I) as a medicament and in the treatment of a disease involving abnormal levels of glucosylceramide and/or higher levels of glycosphingolipids.



21: 2023/10529. 22: 2023/11/13. 43: 2024/01/04
51: A61K

71: China Agricultural University

72: Xuemei Deng, Jiankui Wang

33: WO 31: PCT/CN2022/120417 32: 2022-09-22

**54: NOVEL METHOD FOR IMPROVING THE
RESISTANCE OF SHEEP AT YOUNG AGE**

00: -

The present invention provides a new method for improving the resistance of sheep that are used both for meat and wool. The present invention provides a method of breeding Merino sheep with improved resistance at a young age and with both meat and wool at an adult age, comprising the steps of utilizing a Merino sheep with coarse wool at a young stage as a female parent, mating with a fine wool Merino sheep as a male parent, and obtaining offspring lambs which are the target Merino sheep to be bred.

The present invention reveals a breeding method for improving important environmental adaptability traits (stress resistance) and important economic traits (body weight, wool quality) of sheep. For the first time, it was disclosed that the Merino sheep with coarse wool at the young stage was used as the female parent to mate with the Merino sheep with fine wool at the young stage to obtain the fine wool sheep with good wool quality, large body weight and strong resistance.

21: 2023/11448. 22: 2023/12/13. 43: 2024/01/04
51: C04B

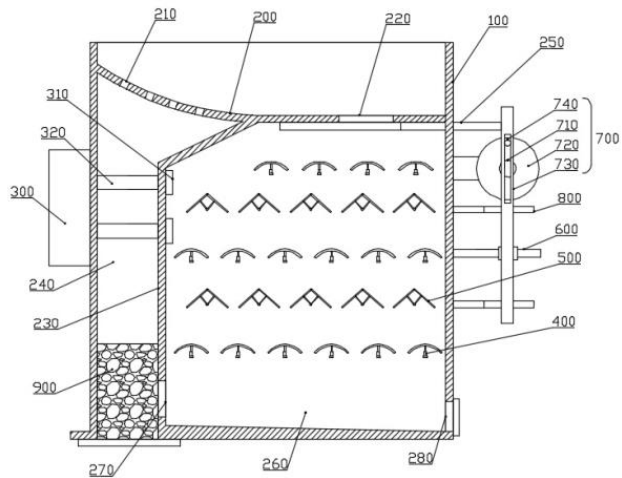
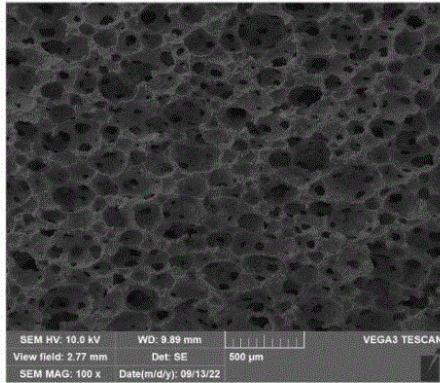
71: Northwestern Polytechnical University
72: XU, Jie, LIN, Lang, MENG, Xuanyu, WANG,
Hengchang, YANG, Runwu, GAO, Feng

33: CN 31: 202211614175.2 32: 2022-12-15

**54: METHOD FOR PREPARING MULLITE
POROUS CERAMICS USING LITHIUM SLAGS
AND MULLITE POROUS CERAMICS AND
APPLICATION THEREOF**

00: -

Provided are a method for preparing mullite porous ceramics using lithium slags and mullite porous ceramics and application thereof, relating to the technical field of resource reuse. The method for preparing mullite porous ceramics using lithium slags provided by the present invention includes the steps of: ball-milling lithium slags, alumina powder, and metal aluminum powder with water to obtain a slurry; stirring the slurry and a surfactant to obtain a wet foam; and drying the wet foam to obtain a dry foam, and sintering the dry foam to obtain the mullite porous ceramics. The mullite porous ceramics prepared according to the present invention have a very low shrinkage rate, which can reduce the post-processing costs of the porous ceramics and achieve high value-added recycling of lithium slags.

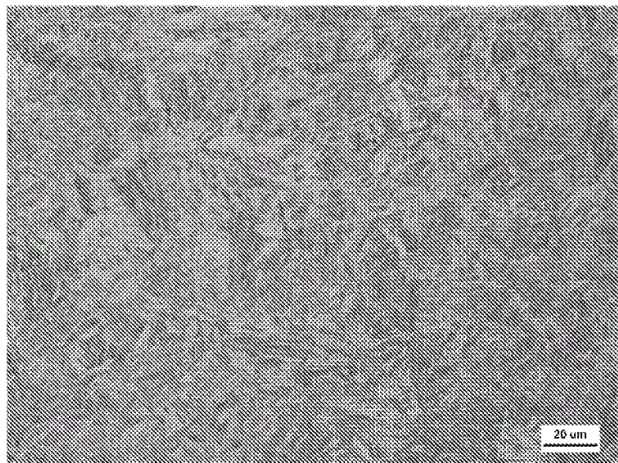


21: 2023/11572. 22: 2023/12/18. 43: 2024/01/04
 51: F26B
 71: North China University of Science and Technology
 72: Yang Aimin, Li Yifan, Xue Tao, Li Jie, Yu Fuxing
 33: CN 31: 202310552104.2 32: 2023-05-17
54: MINERAL POWDER PELLET DRYING DEVICE
 00: -

The present disclosure relates to the technical field of mineral powder processing, and provides a mineral powder pellet drying device, the device includes a drying box body and a material preparation trough, and shunting buffer assemblies are configured to withstand the impact of falling mineral powder pellets in an elastically concave mode and guide the mineral powder pellets to two sides for dispersion. The device in the present disclosure has a simple structure, and is capable of buffering the impact strength of the falling mineral powder pellets, so that the breakage of the mineral powder pellets caused by a fast falling speed is avoided, therefore, the device in the present disclosure has a better drying effect and is highly applicable.

21: 2023/11584. 22: 2023/12/18. 43: 2024/01/04
 51: C22C
 71: CENTRAL IRON & STEEL RESEARCH INSTITUTE
 72: NING, Jing, SU, Jie, YANG, Zhuoyue, GAO, Qi, DING, Yali, CHEN, Jiayan, WANG, Ao, LIU, Geng
 33: CN 31: 202111425641.8 32: 2021-11-26
54: HIGH-TOUGHNESS ULTRAHIGH-STRENGTH STEEL AND MANUFACTURING METHOD THEREFOR

00: -
 The present application discloses a high-toughness ultrahigh-strength steel and a manufacturing method thereof, and belongs to the technical field of metal materials. The present application is intended to solve the problem that the existing low-alloy ultrahigh-strength steel has poor toughness and poor hardenability. The high-toughness ultrahigh-strength steel includes the following elements in mass percentages: C: 0.27% to 0.35%; Si: 1.10% to 1.70%; Mn: 0.70% to 1.10%; Cr: 1.00% to 1.40%; Ni: 0.10% to 0.50%; Mo: 0.05% to 0.50%; W: 0.05% to 0.10%; Nb: 0.01% to 0.04%; and iron and unavoidable impurities: the balance. The high-toughness ultrahigh-strength steel of the present application has excellent strength, toughness and hardenability.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

- APPLIED ON 2023/12/18 -

A2023/01440 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/01438 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/01439 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

- APPLIED ON 2023/12/19 -

A2023/01444 - Schröder Class 26. PUBLIC LIGHT FIXTURE

A2023/01445 - Schröder Class 26. PUBLIC LIGHT FIXTURE

A2023/01443 - Schröder Class 26. PUBLIC LIGHT FIXTURE

A2023/01442 - La Marzocco S.r.l. Class 31. COFFEE GRINDERS

F2023/01447 - NIENHUIS, Jan, Balster Class 13. BENDABLE SOLAR PANEL MOUNTING POST

F2023/01449 - NIENHUIS, Jan, Balster Class 13. ANTI-THEFT SOLAR PANEL BRACKET

A2023/01441 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2023/01448 - NIENHUIS, Jan, Balster Class 13. RIGID SOLAR PANEL MOUNTING POST

F2023/01446 - NIENHUIS, Jan, Balster Class 13. SOLAR PANEL FRAME ENGAGING MEMBER

- APPLIED ON 2023/12/20 -

F2023/01454 - DIVISION X (PTY) LTD Class 14. PRINTED CIRCUIT BOARD

F2023/01458 - DIVISION X (PTY) LTD Class 10. MONITORING DEVICE

F2023/01456 - DIVISION X (PTY) LTD Class 10. MONITORING DEVICE

A2023/01474 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2023/01453 - SERRA MANUFACTURING (PTY) LIMITED Class 9. BIN WITH MOUNTING BRACKET

A2023/01457 - DIVISION X (PTY) LTD Class 10. MONITORING DEVICE

A2023/01451 - Adrian Viljoen Class 13. SUBMERSIBLE ENERGY STORAGE SYSTE,

A2023/01459 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/01452 - SERRA MANUFACTURING (PTY) LIMITED Class 9. BIN

A2023/01450 - Emmanuel Lebaka Class 32. ABANTU BO BUNTU LOGO

A2023/01455 - DIVISION X (PTY) LTD Class 10. MONITORING DEVICE

A2023/01460 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

- APPLIED ON 2023/12/21 -

F2023/01462 - ROOIBAARD PRODUKTE (PTY) LTD Class 10. VAPE SMOKING PIPE

F2023/01464 - ROOIBAARD PRODUKTE (PTY) LTD Class 10. VAPE SMOKING DEVICE

A2023/01463 - ROOIBAARD PRODUKTE (PTY) LTD Class 10. VAPE SMOKING DEVICE

A2023/01467 - A.P.S. Plastics (Pty) Ltd. Class 07. GRINDER GEAR ARRANGEMENT

F2023/01468 - A.P.S. Plastics (Pty) Ltd. Class 07. GRINDER GEAR ARRANGEMENT

A2023/01461 - ROOIBAARD PRODUKTE (PTY) LTD Class 10. VAPE SMOKING PIPE

A2023/01470 - Caterpillar Inc. Class 15. RETAINER SLEEVES

A2023/01472 - Caterpillar Inc. Class 15. RETAINER SLEEVES

A2023/01471 - Caterpillar Inc. Class 15. RETAINER SLEEVES

A2023/01473 - Caterpillar Inc. Class 15. RETAINER SLEEVES

A2023/01469 - Caterpillar Inc. Class 15. RETAINER SLEEVES

A2023/01465 - A.P.S. Plastics (Pty) Ltd. Class 07. GRINDER ARRANGEMENT

F2023/01466 - A.P.S. Plastics (Pty) Ltd. Class 07. GRINDER ARRANGEMENT

- APPLIED ON 2024/01/02 -

A2024/00002 - Sonwaro Pty Ltd Class 32. CREATING A MURAL USING 273 ONE-KILOGRAM COFFEE BAG 3M X 4M 3M X 4M DESIGN AND STRATEGICALLY

F2024/00001 - DICK, James Quinton Cameron, WRIGHT, Brennan Kevin Class 09. A TRAY

A2024/00007 - NTHATI KATLEHO TSOTETSI Class 11. BASOTHO SHIELD PENDANT

A2024/00006 - MEDIVENA SP. Z O.O. Class 24. SAFETY MECHANISM FOR A HYPODERMIC NEEDLE

A2024/00004 - OLA ELECTRIC MOBILITY PRIVATE LIMITED Class 12. MOTORCYCLE

A2024/00005 - OLA ELECTRIC MOBILITY PRIVATE LIMITED Class 12. MOTORCYCLE

A2024/00003 - OLA ELECTRIC MOBILITY PRIVATE LIMITED Class 12. MOTORCYCLE

- APPLIED ON 2024/01/03 -

A2024/00011 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2024/00008 - INNO-IT CO., LTD Class 27. AEROSOL GENERATOR FOR VAPING (E-CIGARETTE)

A2024/00009 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2024/00010 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

- APPLIED ON 2024/01/04 -

A2024/00014 - CAPBRAN HOLDINGS, LLC Class 31. CORDLESS BLENDER

F2024/00012 - Kiran Valjee Class 16. SCREEN

A2024/00015 - CAPBRAN HOLDINGS, LLC Class 31. BLADE HOLDER

A2024/00013 - WAHL CLIPPER CORPORATION Class 28. SHAVER WITH GRIP SLEEVE

- APPLIED ON 2024/01/05 -

F2024/00016 - MARAIS, Petronella Jardin Class 06. PILLOWS

A2024/00017 - WAHL CLIPPER CORPORATION Class 28. SHAVER WITH RUBBER SLEEVE

- APPLIED ON 2024/01/09 -

A2024/00020 - Renon Technology (Shenzhen) Co.,Ltd Class 13. BATTERY RECHARGERS

A2024/00019 - Automobili Lamborghini S.p.A. Class 21. MODEL VEHICLES

A2024/00018 - Automobili Lamborghini S.p.A. Class 12. VEHICLES

- APPLIED ON 2024/01/10 -

A2024/00021 - Paul Phalane Class 01. HUNGERXSA

A2024/00022 - Caterpillar Inc. Class 15. ANNULAR SEALS

A2024/00023 - Caterpillar Inc. Class 15. ANNULAR SEALS

- APPLIED ON 2024/01/11 -

A2024/00034 - LINCOR HOLDINGS (PTY) LTD Class 23. A MODIFIED TAIL PIECE

A2024/00030 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2024/00032 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2024/00025 - HATTINGH, JOHANNES HENDRIK PETRUS Class 13. SOLAR ENERGY HUB WITH REMOVABLE TRAY

A2024/00031 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2024/00035 - LINCOR HOLDINGS (PTY) LTD Class 23. A MODIFIED TAIL PIECE

A2024/00027 - CLABER S.p.A. Class 23. WATERING DEVICE

A2024/00028 - Siphwe Alfred Khuzwayo, Snethemba Brilliant Hlongwane, Sphesihle Ndlovu Class 32. MEMBERSHIP CARD

A2024/00029 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2024/00024 - HATTINGH, JOHANNES HENDRIK PETRUS Class 13. SOLAR ENERGY HUB

F2024/00026 - APL Cartons (Pty) Ltd Class 09. CONTAINER

F2024/00033 - VAN BERGEN, Duane Class 08. FASTENING DEVICE

- APPLIED ON 2024/01/12 -

A2024/00036 - CLEARVIEW TOWING MIRRORS PTY LTD Class 12. MOUNTING BASE FOR A VEHICLE MIRROR

A2024/00038 - ZHUHAI PANTUM ELECTRONICS CO., LTD. Class 14. PROCESSING CARTRIDGE

A2024/00041 - Eli Lilly and Company Class 9. BOXES

A2024/00037 - BEYER, Alden Gerald Class 6. A SEAT FOR A CHAIR

A2024/00040 - Eli Lilly and Company Class 9. BOXES

A2024/00039 - Eli Lilly and Company Class 9. BOXES

- APPLIED ON 2024/01/15 -

A2024/00046 - THREE NIGHT OWLS (PTY) LTD Class 20. A DISPLAY DEVICE

A2024/00045 - MESO SCALE TECHNOLOGIES, LLC. Class 24. VIAL AND TUBE RACK

F2024/00043 - TAMC HOLDINGS PTY LTD Class 9. CONTAINER PROTECTOR

F2024/00047 - THREE NIGHT OWLS (PTY) LTD Class 20. A DISPLAY DEVICE

A2024/00044 - MESO SCALE TECHNOLOGIES, LLC. Class 24. VIAL AND TUBE RACK

A2024/00048 - VINCENT SFISO KHUMALO Class 07. SUPER HANGER

A2024/00042 - TAMC HOLDINGS PTY LTD Class 9. CONTAINER PROTECTOR

- APPLIED ON 2024/01/16 -

A2024/00051 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

F2024/00049 - HRH PROJECTS (PTY) LTD. Class 8. PANEL LOCK MECHANISM

A2024/00050 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

- APPLIED ON 2024/01/17 -

A2024/00052 - WATSON-MARLOW LIMITED Class 15. PUMP

A2024/00054 - WATSON-MARLOW LIMITED Class 15. PUMP

A2024/00053 - WATSON-MARLOW LIMITED Class 15. PUMP

- APPLIED ON 2024/01/18 -

F2024/00056 - VAN EEDEN, Christiaan Hieronymans Bornman Class 21. BALL COLLECTOR AND DISPENSER

F2024/00055 - VAN EEDEN, Christiaan Hieronymans Bornman Class 21. BALL COLLECTOR AND DISPENSER

- APPLIED ON 2024/01/19 -

F2024/00062 - BOTHA, JABEZ VINCENT Class 07. BRAAI STAND

A2024/00073 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

F2024/00066 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

A2024/00069 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

F2024/00059 - BOTHA, JABEZ VINCENT Class 07. RIB RACK FOR BRAAI STAND

F2024/00070 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

A2024/00076 - FIKILE (PTY) LTD Class 03. CLAPS

F2024/00072 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

F2024/00074 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

A2024/00075 - FIKILE (PTY) LTD Class 03. EVENING BAG

A2024/00067 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

A2024/00057 - SCHR#201;DER S.A. Class 26. A LIGHTING APPARATUS

A2024/00058 - HONDA MOTOR CO., LTD. Class 12. MOTORCYCLE

A2024/00063 - BOWLER PLASTICS (PTY) LTD Class 09. CAP

A2024/00065 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

F2024/00060 - BOTHA, JABEZ VINCENT Class 07. PAN HOLDER FOR BRAAI STAND

F2024/00061 - BOTHA, JABEZ VINCENT Class 07. DETACHABLE TABLE FOR BRAAI STAND

F2024/00068 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

A2024/00071 - BOWLER PLASTICS (PTY) LTD Class 09. BOTTLE

F2024/00064 - BOWLER PLASTICS (PTY) LTD Class 09. CAP

- APPLIED ON 2024/01/22 -

A2024/00080 - CAPBRAN HOLDINGS, LLC Class 31. BLENDER

F2024/00077 - Samuel de Jager Class 03. SWIM SAFE SAFETY BOXES

A2024/00078 - DART INDUSTRIES INC. Class 7. POPCORN MAKER

F2024/00081 - TIGRE SOLUÇÕES AMBIENTAIS, INDÚSTRIA, COMÉRCIO E MANUTENÇÃO DE EQUIPAMENTOS LTDA Class 23. SEWAGE REACTOR

A2024/00079 - CAPBRAN HOLDINGS, LLC Class 31. FOOD PROCESSOR

- APPLIED ON 2024/01/24 -

A2024/00084 - SPRINGFIELD, INC. Class 22. TRIGGER GUARD

A2024/00085 - SPRINGFIELD, INC. Class 22. MAGAZINE HOUSING

A2024/00086 - SPRINGFIELD, INC. Class 22. MAGAZINE HOUSING

F2024/00088 - Little Eden Society (a South African Non-Profit Organisation) Class 23. SHOWER BATH

A2024/00083 - SPRINGFIELD, INC. Class 22. FIREARM

A2024/00087 - Kgothatso Alpheus Mokonyane Class 14. ULTIMATE ARCHIVES

A2024/00082 - SPRINGFIELD, INC. Class 22. FIREARM

A2024/00089 - AD-MOTO LIMITED Class 9. A CARGO BOX FOR A MOTORBIKE

- APPLIED ON 2024/01/25 -

F2024/00090 - MARK WYNESS VOSLOO Class 30. KITTEN MODULAR PLAY BOX

- APPLIED ON 2024/01/26 -

F2024/00092 - Original Brands CC t/a Connect-it Class 13. BRACKETS

A2024/00106 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00099 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00105 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00102 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00096 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00098 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00091 - Original Brands CC t/a Connect-it Class 13. BRACKETS

A2024/00095 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00097 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00101 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00103 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00107 - AMIAD WATER SYSTEMS LTD. Class 23. WATER FILTER

A2024/00094 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00100 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00104 - Ulterra Drilling Technologies, L.P. Class 15. EARTH BORING CUTTERS

A2024/00093 - Tshegofatso Ubisi Class 32. PLAY CONDOMS

CHANGE OF NAME IN TERMS OF REGULATION 24

No records available

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

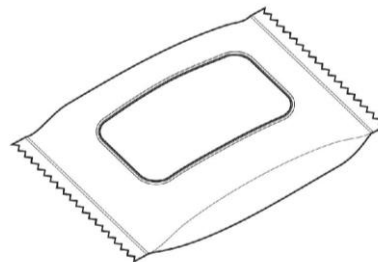
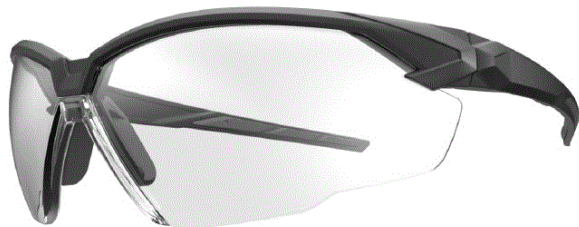
N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2022/00175 22: 2022-02-18 23:
 43: 2023-11-07
 52: Class 16 24: Part A
 71: UVEX ARBEITSSCHUTZ GMBH
 33: EM 31: 008722235 32: 2021-10-15

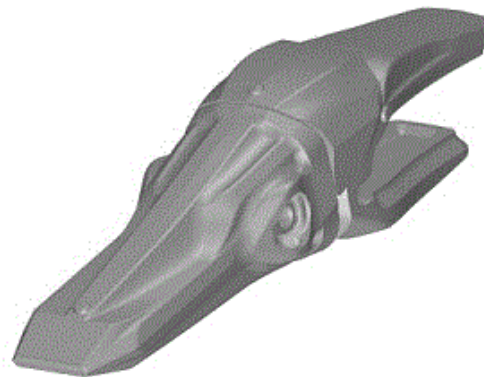
54: SAFETY GOGGLES

57: The drawing shows a perspective view of a pair of safety goggles showing the overall appearance thereof.



21: A2022/01351 22: 2022-10-27 23:
 43: 2023-11-21
 52: Class 15. 24: Part A
 71: LIEBHERR-MINING EQUIPMENT COLMAR SAS
 33: EM 31: 009047459-0001 32: 2022-05-30
54: Excavator Tooth

57: The design relates to an excavator tooth. The features of the design are those of shape and/or configuration.

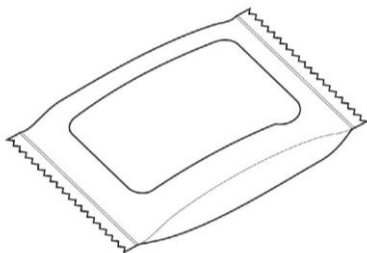


PERSPECTIVE VIEW

21: A2022/00803 22: 2022-07-12 23:
 43: 2023-02-07
 52: Class 09 24: Part A
 71: VAN ROOYEN, DRIKUS HENDRIK, VAN DER MERWE, ANANDE, STEENKAMP, GUSTAV HENRI

54: FOOD PACKAGING CONTAINER

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a resealable food packaging container as shown in the accompanying representations, irrespective of the features shown in broken lines.



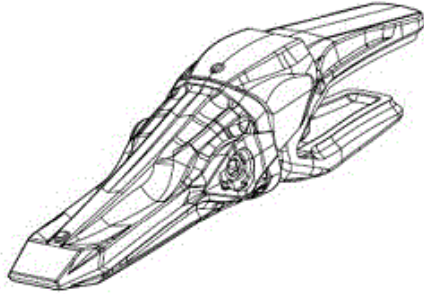
21: A2022/00805 22: 2022-07-12 23:
 43: 2023-02-07
 52: Class 09 24: Part A
 71: VAN ROOYEN, DRIKUS HENDRIK, VAN DER MERWE, ANANDE, STEENKAMP, GUSTAV HENRI

54: FOOD PACKAGING CONTAINER

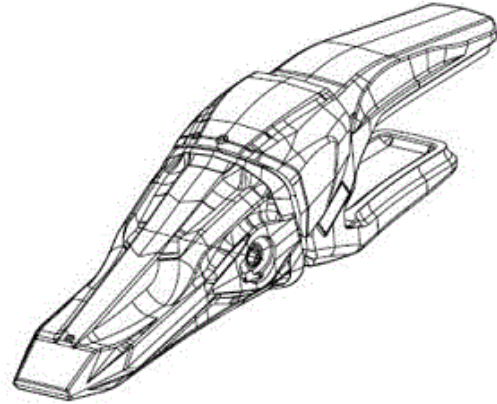
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a non-sealable food packaging container as shown in the accompanying representations, irrespective of the features shown in broken lines.

21: A2022/01352 22: 2022-10-27 23:
 43: 2023-11-21
 52: Class 15. 24: Part A
 71: LIEBHERR-MINING EQUIPMENT COLMAR SAS
 33: EM 31: 009047459-0002 32: 2022-05-30
54: Excavator Tooth

57: The design relates to an excavator tooth. The features of the design are those of shape and/or configuration.



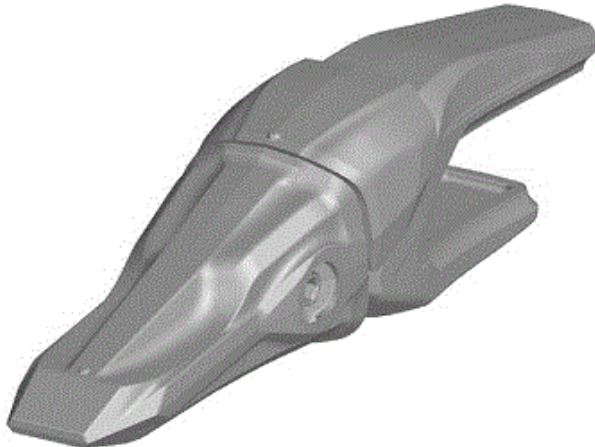
PERSPECTIVE VIEW



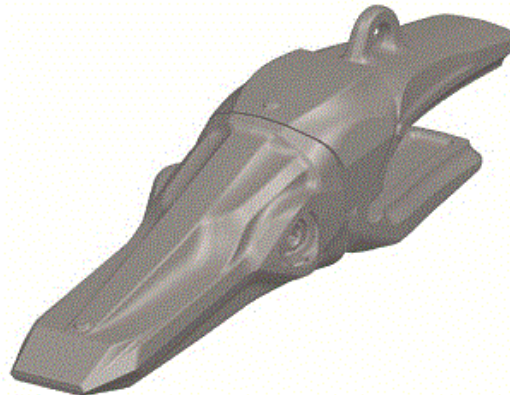
PERSPECTIVE VIEW

21: A2022/01353 22: 2022-10-27 23:
43: 2023-11-21
52: Class 15. 24: Part A
71: LIEBHERR-MINING EQUIPMENT COLMAR
SAS
33: EM 31: 009047459-0003 32: 2022-05-30
54: Excavator Tooth
57: The design relates to an excavator tooth. The
features of the design are those of shape and/or
configuration.

21: A2022/01355 22: 2022-10-27 23:
43: 2023-11-21
52: Class 15. 24: Part A
71: LIEBHERR-MINING EQUIPMENT COLMAR
SAS
33: EM 31: 009047459-0005 32: 2022-05-30
54: Excavator Tooth
57: The design relates to an excavator tooth. The
features of the design are those of shape and/or
configuration.



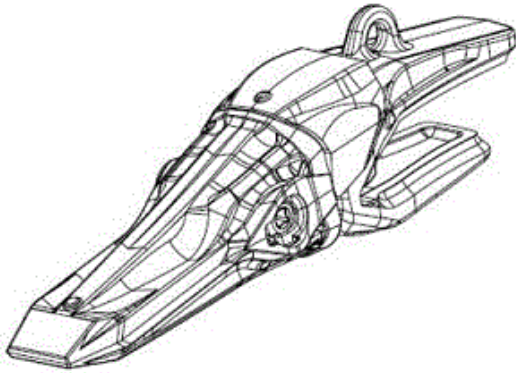
PERSPECTIVE VIEW



PERSPECTIVE VIEW

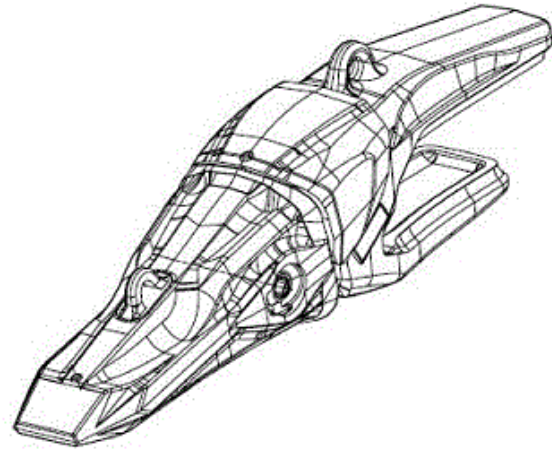
21: A2022/01354 22: 2022-10-27 23:
43: 2023-11-21
52: Class 15. 24: Part A
71: LIEBHERR-MINING EQUIPMENT COLMAR
SAS
33: EM 31: 009047459-0004 32: 2022-05-30
54: Excavator Tooth
57: The design relates to an excavator tooth. The
features of the design are those of shape and/or
configuration.

21: A2022/01356 22: 2022-10-27 23:
43: 2023-11-21
52: Class 15. 24: Part A
71: LIEBHERR-MINING EQUIPMENT COLMAR
SAS
33: EM 31: 009047459-0006 32: 2022-05-30
54: Excavator Tooth
57: The design relates to an excavator tooth. The
features of the design are those of shape and/or
configuration.



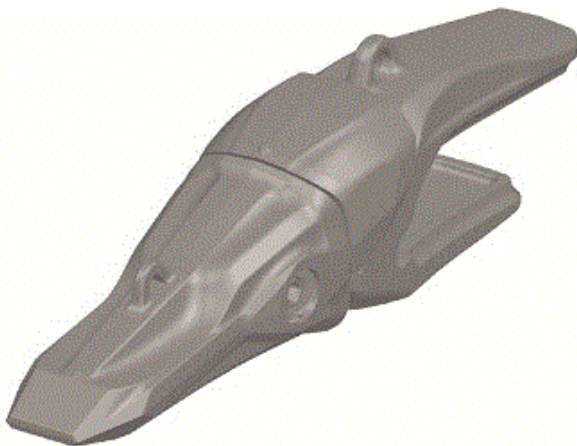
PERSPECTIVE VIEW

21: A2022/01357 22: 2022-10-27 23:
 43: 2023-11-21
 52: Class 15. 24: Part A
 71: LIEBHERR-MINING EQUIPMENT COLMAR
 SAS
 33: EM 31: 009047459-0007 32: 2022-05-30
54: Excavator Tooth
 57: The design relates to an excavator tooth. The
 features of the design are those of shape and/or
 configuration.



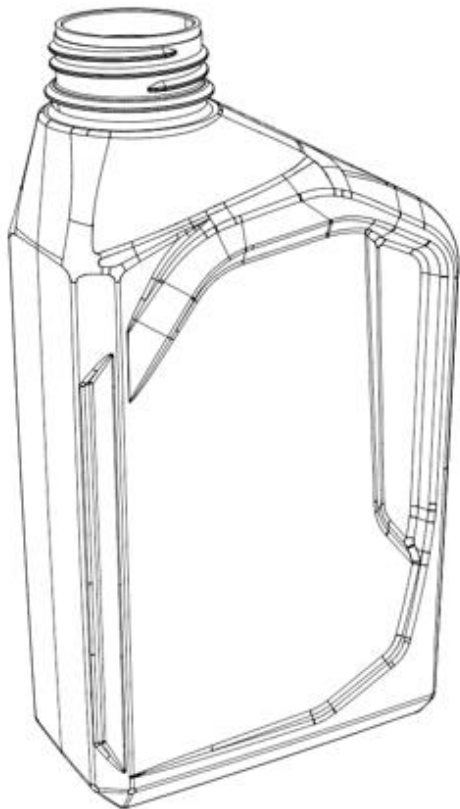
PERSPECTIVE VIEW

21: A2022/01478 22: 2022-11-16 23:
 43: 2023-12-18
 52: Class 09 24: Part A
 71: PETROLIAM NASIONAL BERHAD
 (PETRONAS)
 33: MY 31: 22-E1038-0204 32: 2022-05-27
54: CONTAINER FOR LUBRICANTS
 57: The design is in respect of a container designed
 to hold lubricants. More particularly, the container of
 the design is shaped and configured to hold a fluid
 volume of (1L). The fluid of interest to be
 containerised being a lubricant.



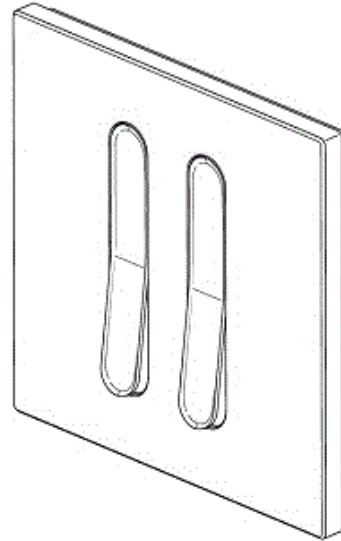
PERSPECTIVE VIEW

21: A2022/01358 22: 2022-10-27 23:
 43: 2023-11-21
 52: Class 15. 24: Part A
 71: LIEBHERR-MINING EQUIPMENT COLMAR
 SAS
 33: EM 31: 009047459-0008 32: 2022-05-30
54: Excavator Tooth



43: 2023-11-27
 52: Class 13. 24: Part A
 71: LEGRAND FRANCE, LEGRAND SNC
 33: EM 31: 009096902-0002 32: 2022-07-26

54: Electrical Switch
 57: The design relates to an electrical switch. The features of the design are those of shape and/or configuration and/or ornamentation.



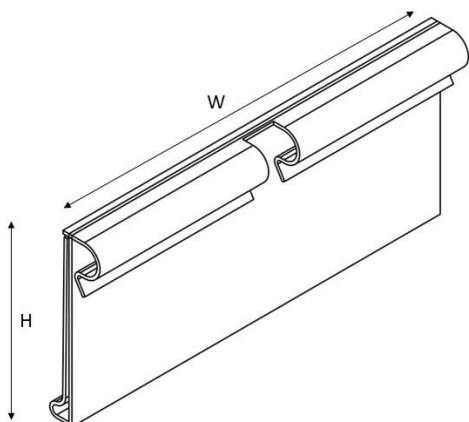
PERSPECTIVE VIEW

21: A2022/01552 22: 2022-12-01 23: 2022-06-01
 43: 2023-07-10

52: Class 20 24: Part A
 71: THREE NIGHT OWLS (PTY) LTD

54: A DISPLAY DEVICE

57: The novelty of the design resides in the shape and/or configuration of a display device having a width "W" and a height "H" that may vary.



21: A2023/00430 22: 2023-04-05 23:
 43: 2022-11-14

52: Class 12 24: Part A
 71: Hyundai Motor Company, Kia Corporation
 33: KR 31: 30-2022-0046899 32: 2022-11-14

54: AUTOMOBILES

57: The design is for an automobile, substantially as shown in the representations.



Figure 1

Three-dimensional view

21: A2023/00063 22: 2023-01-13 23:

21: A2023/00434 22: 2023-04-06 23:

43: 2022-10-09
 52: Class 15 24: Part A
 71: Weichai Lovol Intelligent Agricultural Technology Co., Ltd.
 33: CN 31: 202230661522.1 32: 2022-10-09

54: HARVESTERS

57: The design is for a harvester vehicle having a generally rectangular chassis and body. A rectangular cockpit with a vertically, frontwardly inclined front face is centrally located in an upper region of a front of the body. A rectangular feeder chute and coupling projects forwardly, downward from a centre of a lower region of the front of the body. A ladder extends upwardly from a front portion of a side of the body. An upper, rear portion of each side of the body is further defined by parallel splayed vents. Vertically inclined sidewalls project from a top of the body providing a topmost opening and exposing a materials tank. An elongated cylindrical upload arm projects rearwardly, with a slight rearward incline, from a rear part of the side of the materials tank.



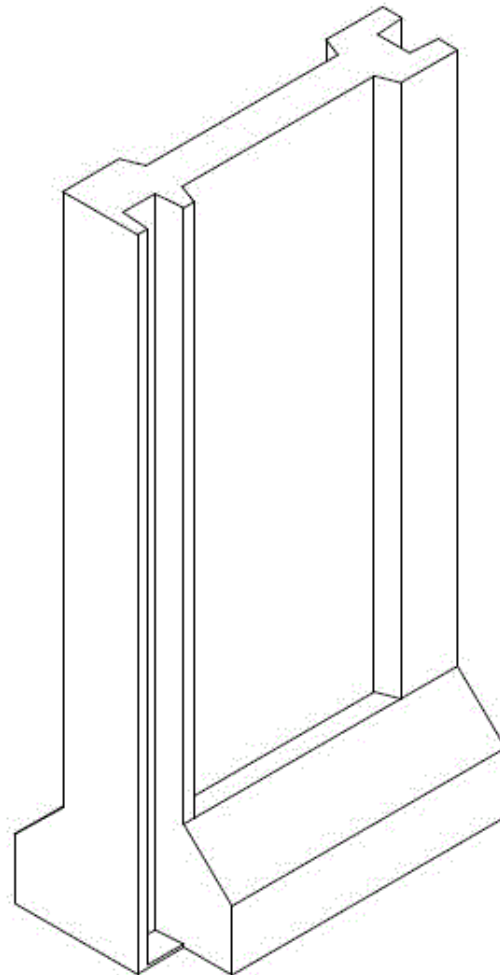
Figure 6
 Three-dimensional view

21: A2023/00450 22: 2023-04-11 23:
 43: 2023-04-11
 52: Class 25 24: Part A
 71: PRINSLOO, Wessel Frans, TOPFLOOR CONCRETE PROPRIETARY LIMITED

54: Construction members

57: The design relates to a construction member substantially as shown in the accompanying representations. The construction member has an inverted T-shaped configuration. The construction member includes a pair of spaced elongate support posts and a walling web extending between the

support posts. The construction member further includes a base flange providing a relatively wide base on which the construction member is supported on a substrate. The support posts and the base flange define longitudinally-extending locating grooves at opposite ends of the construction member in which end regions of wall panels are received. The locating grooves are disposed orthogonally relative to one another.



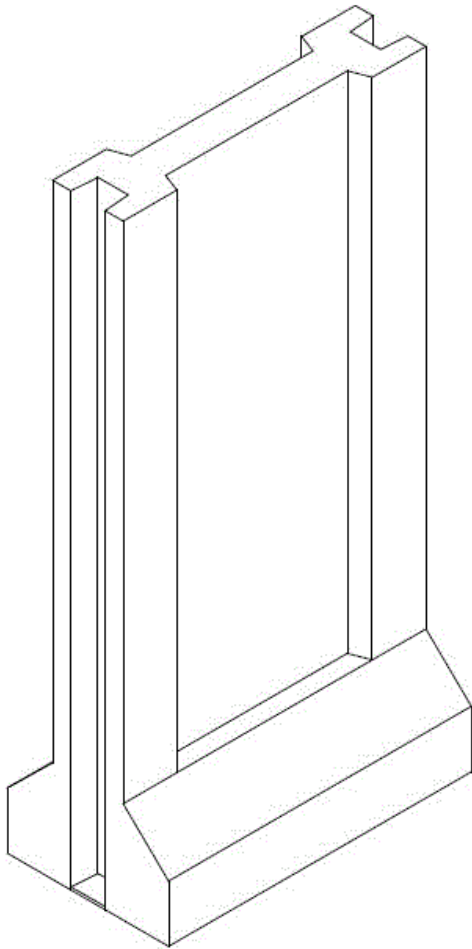
Three-dimensional view from above

21: A2023/00451 22: 2023-04-11 23:
 43: 2023-04-11
 52: Class 25 24: Part A
 71: PRINSLOO, Wessel Frans, TOPFLOOR CONCRETE PROPRIETARY LIMITED

54: Construction members

57: The design relates to a construction member substantially as shown in the accompanying representations. The construction member has an

inverted T-shaped configuration. The construction member includes a pair of spaced elongate support posts and a walling web extending between the support posts. The construction member further includes a base flange providing a relatively wide base on which the construction member is supported on a substrate. The support posts and the base flange define longitudinally-extending locating grooves at opposite ends of the construction member in which end regions of wall panels are received. The locating grooves are disposed at an orientation of 180° relative to one another.



Three-dimensional view from above

21: A2023/00456 22: 2023-04-12 23:
43: 2023-11-13
52: Class 13. 24: Part A
71: HONDA MOTOR CO., LTD.
33: JP 31: 2022-022120 32: 2022-10-13
54: Electric Power Unit

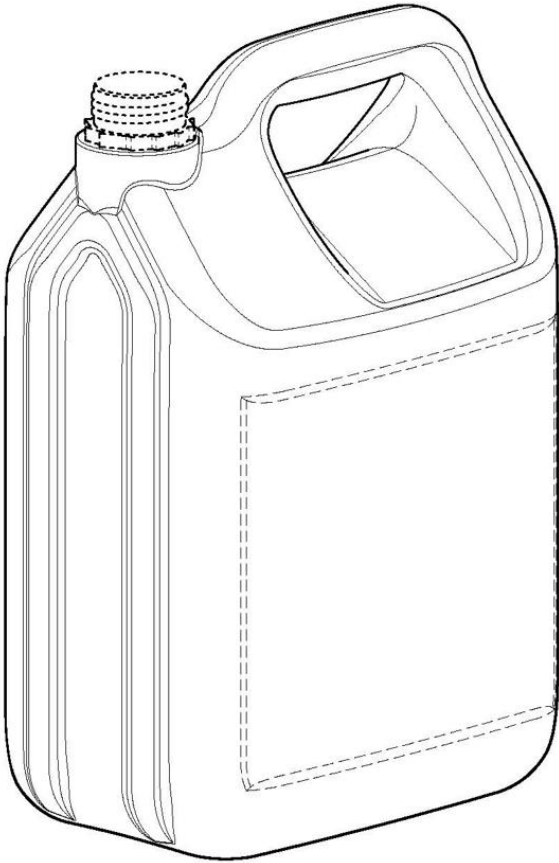
57: The design relates to an electric power unit. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



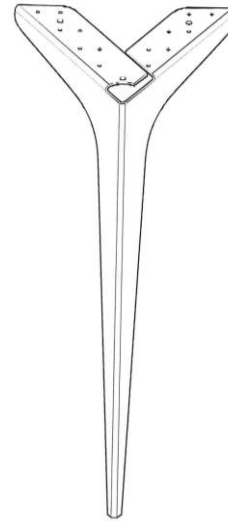
**FRONT AND RIGHT SIDE
PERSPECTIVE VIEW**

21: A2023/00463 22: 2023-04-13 23: 2023-03-17
43: 2023-11-15
52: Class 09 24: Part A
71: BESTER, Alida
54: CONTAINER

57: The features of the design for which protection is claimed resides in the pattern and/or shape and/or configuration and/or ornamentation of the CONTAINER substantially as illustrated in the accompanying representations, irrespective of the appearance of the features shown in broken lines.



21: A2023/00465 22: 2023-04-14 23:
 43: 2023-11-15
 52: Class 06 24: Part A
 71: DEAN WESTMORE DESIGN CC
54: FURNITURE LEG
 57: The features of the design for which protection is claimed are those of the shape and/or configuration of a furniture leg substantially as illustrated in the accompanying drawing.



21: A2023/00466 22: 2023-04-14 23:
 43: 2023-04-14
 52: Class 14 24: Part A
 71: TSIANE, Tieho Sabata
54: Glove-based Controllers
 57: This design relates to a glove-based controller, typically a glove-based device controller, for an electronic device, substantially as illustrated in the accompanying representations. The glove-based controller has a glove body with cut-away portions for a user's baby finger, index finger, and thumb to protrude therethrough. The glove body is closed at the middle and index fingers and has controls provided thereon. Moreover, the controller has a wrist portion having a screen, wherein the wrist portion is connected to the controls on the middle and index fingers with suitable connecting strips.

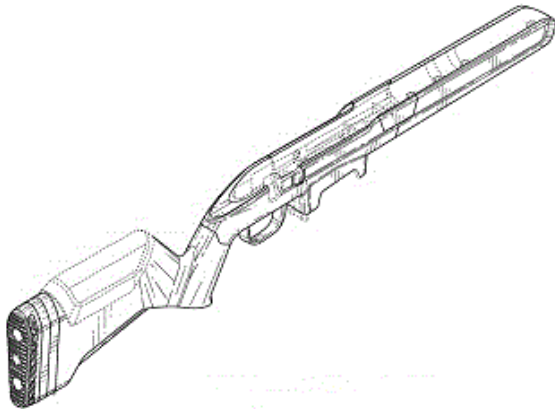


Three-dimensional view

21: A2023/00489 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26

54: Rifle Stock

57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

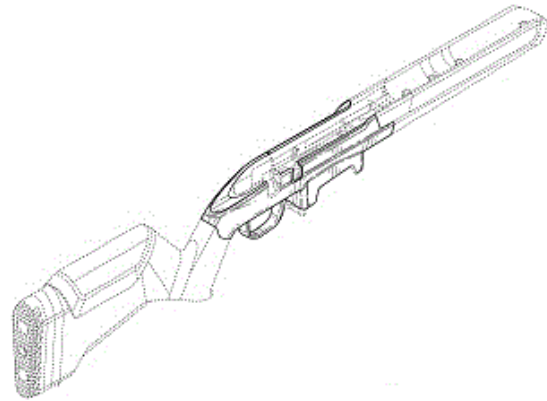


RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00490 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26

54: Rifle Stock

57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or ornamentation.

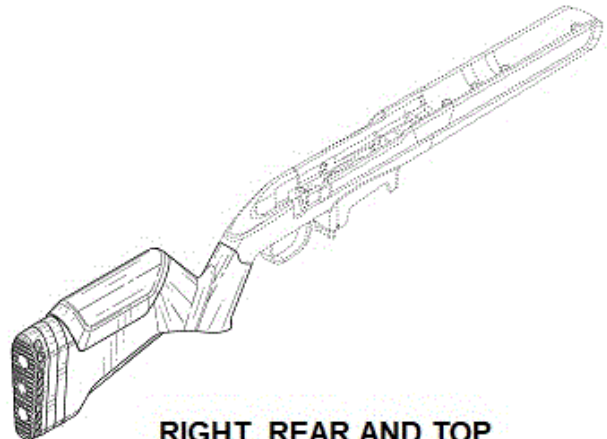


RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00491 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26

54: Rifle Stock

57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

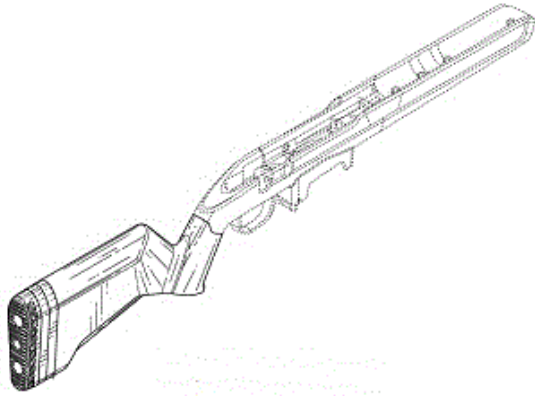


RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00492 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26

54: Rifle Stock

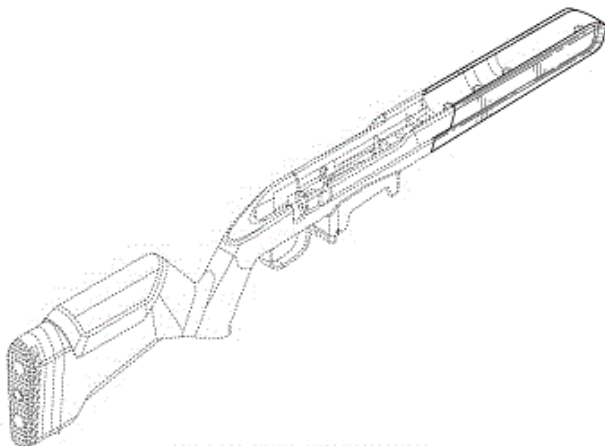
57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00493 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26
54: Rifle Stock

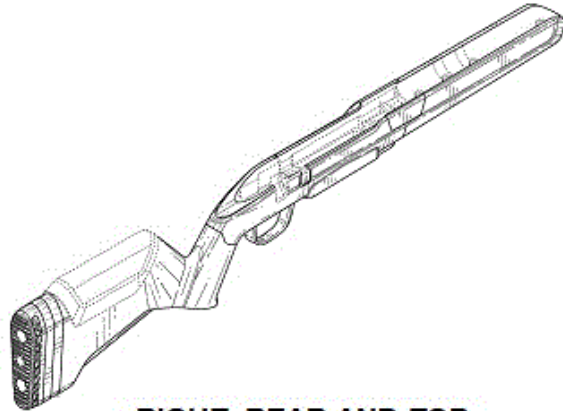
57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or ornamentation.



RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00494 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26
54: Rifle Stock

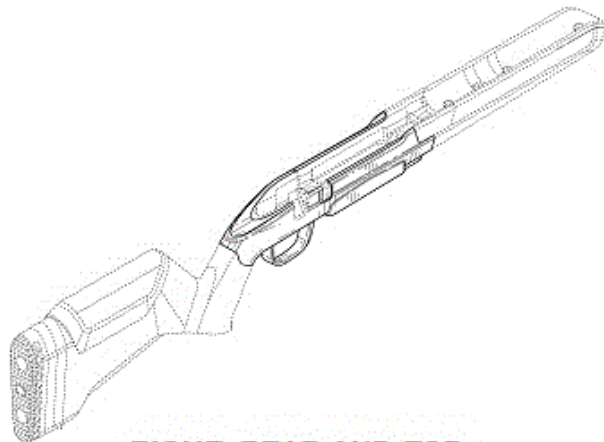
57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00495 22: 2023-04-19 23:
43: 2023-11-13
52: Class 22. 24: Part A
71: MAGPUL INDUSTRIES CORP.
33: US 31: 29/857,943 32: 2022-10-26
54: Rifle Stock

57: The design relates to a rifle stock. The features of the design are those of shape and/or configuration and/or ornamentation.



RIGHT, REAR AND TOP PERSPECTIVE VIEW

21: A2023/00496 22: 2023-04-19 23:
43: 2023-11-15
52: Class 12 24: Part A
71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD
33: US 31: 29/857,208 32: 2022-10-20
54: GLASS SLIDER

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a glass slider substantially as illustrated in the accompanying representations, irrespective of the features shown in broken lines.

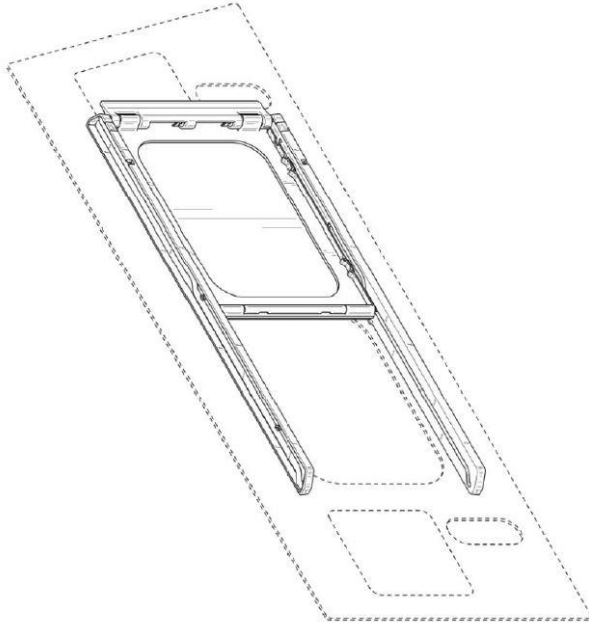


Figure 1

Perspective View

21: A2023/00498 22: 2023-04-19 23:
43: 2022-10-21
52: Class 9 24: Part A
71: GlaxoSmithKline Consumer Healthcare (UK) IP Limited

33: GB 31: 6238700 32: 2022-10-21

54: BOTTLES

57: The design is for a bottle which comprises an elongate body. The body is generally oval in transverse cross section and has front, rear and side walls extending upwardly from a base, and tapering upwardly inwardly into an upper shoulder portion from which a centrally disposed neck protrudes. The width of the bottle decreases towards a middle region thereof providing the bottle with a slightly waisted appearance. A pair of vertically spaced and oppositely disposed generally ovoid-shaped markings appear on each of the side walls. A tapered cap is dismountably mounted on the neck of the bottle. An annular band protrudes from a lower region of the neck adjacent to the shoulder.

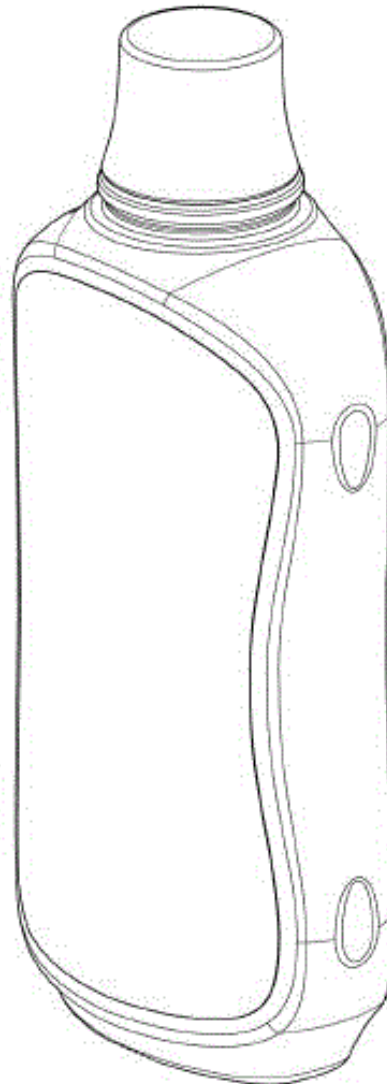


Figure 1

Three-dimensional view

21: A2023/00499 22: 2023-04-19 23:
43: 2022-10-21

52: Class 9 24: Part A

71: GlaxoSmithKline Consumer Healthcare (UK) IP Limited

33: GB 31: 6238701 32: 2022-10-21

54: BOTTLES

57: The design is for a bottle which comprises an elongate body. The body is generally oval in transverse cross section and has front, rear and side walls extending upwardly from a base, and tapering upwardly inwardly into an upper shoulder portion from which a centrally disposed neck protrudes. The width of the bottle decreases towards a middle region thereof providing the bottle with a slightly

waisted appearance. A pair of vertically spaced and oppositely disposed generally ovoid-shaped markings appear on each of the side walls.

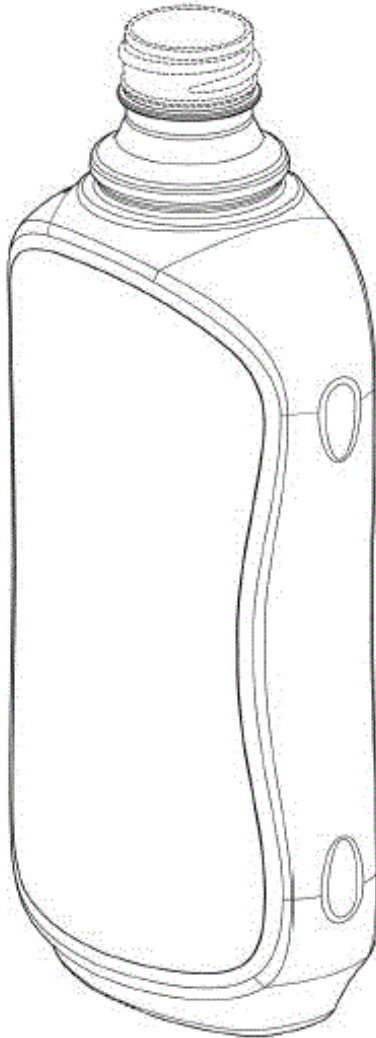


Figure 1

Three-dimensional view

width of the bottle decreases towards a middle region thereof providing the bottle with a slightly waisted appearance. A pair of vertically spaced and oppositely disposed generally ovoid-shaped markings appear on each of the side walls. A tapered cap is dismountably mounted on the neck of the bottle. An annular band protrudes from a lower region of the neck adjacent to the shoulder.

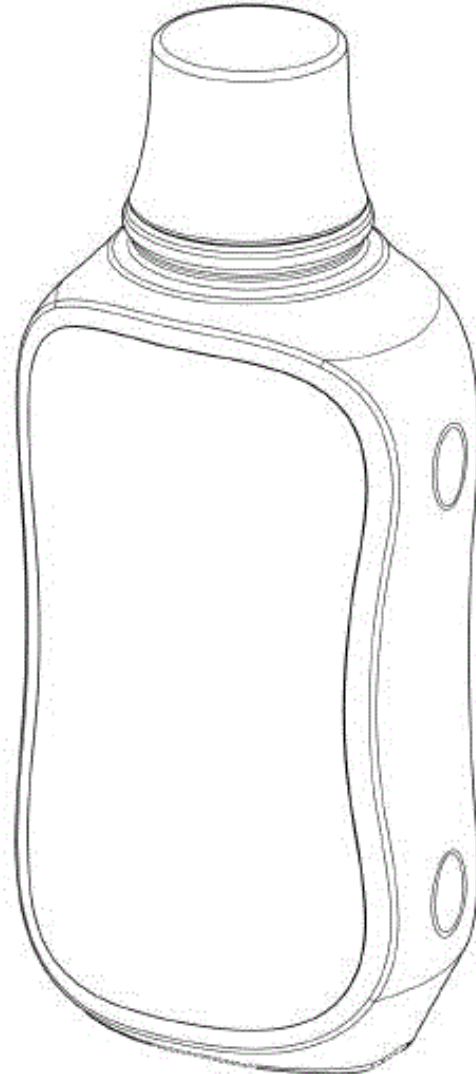


Figure 1

Three-dimensional view

21: A2023/00500 22: 2023-04-19 23:
43: 2022-10-21
52: Class 9 24: Part A
71: GlaxoSmithKline Consumer Healthcare (UK) IP
Limited
33: GB 31: 6238702 32: 2022-10-21

54: BOTTLES

57: The design is for a bottle which comprises an elongate body. The body is generally oval in transverse cross section and has front and side walls extending upwardly from a base, and tapering upwardly inwardly into an upper shoulder portion from which a centrally disposed neck protrudes. The

21: A2023/00501 22: 2023-04-19 23:
43: 2022-10-21
52: Class 9 24: Part A
71: GlaxoSmithKline Consumer Healthcare (UK) IP
Limited
33: GB 31: 6238703 32: 2022-10-21

54: BOTTLES

57: The design is for a bottle which comprises an elongate body. The body is generally oval in transverse cross section and has front, rear and side walls extending upwardly from a base, and tapering upwardly inwardly into an upper shoulder portion from which a centrally disposed neck protrudes. The width of the bottle decreases towards a middle region thereof providing the bottle with a slightly waisted appearance. A pair of vertically spaced and oppositely disposed generally ovoid-shaped markings appear on each of the side walls.

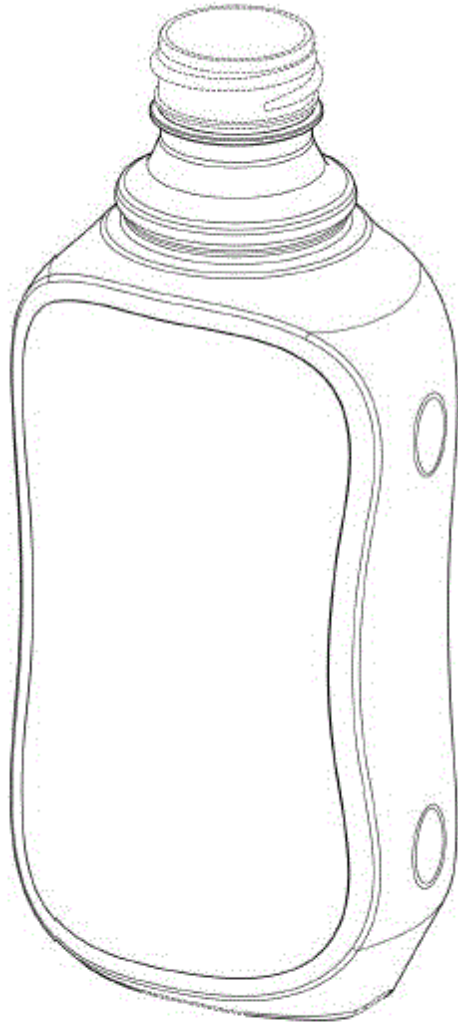
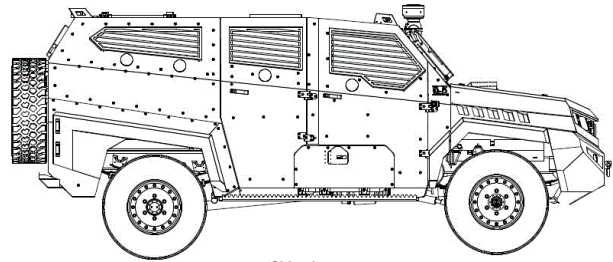


Figure 1

Three-dimensional view

21: A2023/00504 22: 2023-04-21 23:
43: 2023-04-21
52: Class 12 24: Part A
71: Global Specialised Vehicles (Pty) Ltd
54: Vehicles

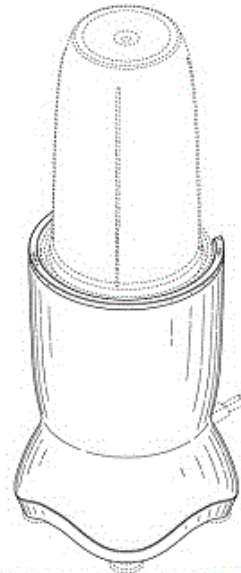
57: The design is in respect of a vehicle and in particular an armoured vehicle. The vehicle is generally in the form of a station wagon. An upper edge of a windscreen of the vehicle is inclined downwardly inwardly from outer edges thereof to a central region. An outer surface of the body of the vehicle is formed of a high-strength steel which is riveted in place.



21: A2023/00505 22: 2023-04-21 23:
43: 2023-11-13
52: Class 7. 24: Part A
71: CAPBRAN HOLDINGS, LLC
33: US 31: 29/861,655 32: 2022-12-01

54: Blender Base

57: The design relates to a blender base. The features of the design are those of shape and/or configuration and/or ornamentation.

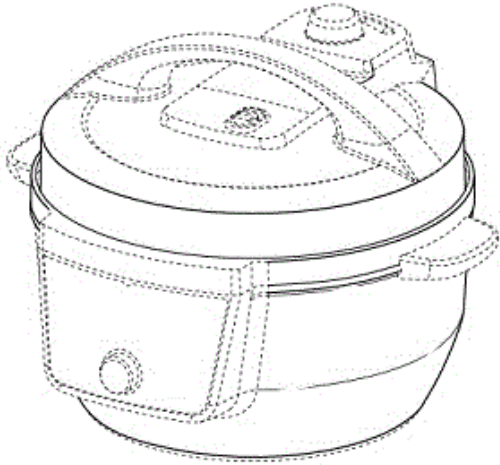


PERSPECTIVE VIEW IN USE

21: A2023/00508 22: 2023-04-25 23:
43: 2023-11-13
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/868,818 32: 2022-12-14

54: Cooking Appliance

57: The design relates to a cooking appliance. The features of the design are those of shape and/or configuration and/or ornamentation.

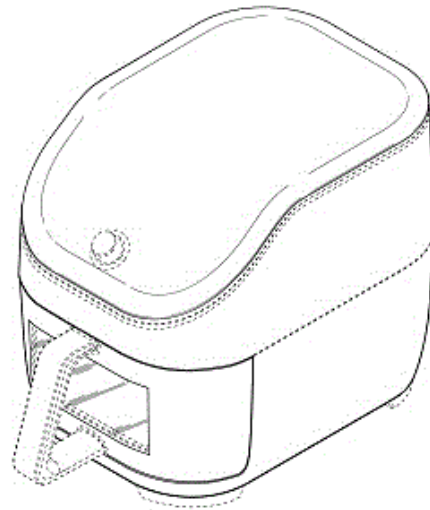


PERSPECTIVE VIEW

21: A2023/00511 22: 2023-04-25 23:
43: 2023-11-13
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/868,684 32: 2022-12-12

54: Air Fryer

57: The design relates to an air fryer. The features of the design are those of shape and/or configuration and/or ornamentation.

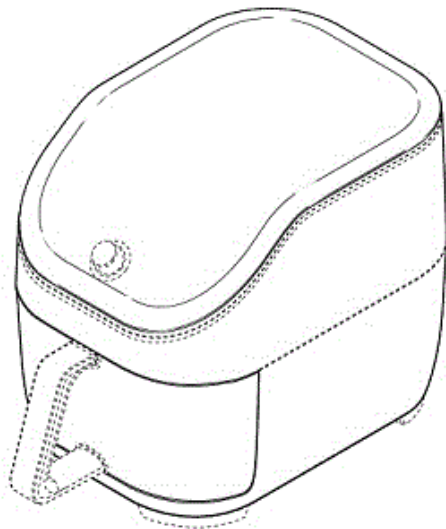


PERSPECTIVE VIEW

21: A2023/00509 22: 2023-04-25 23:
43: 2023-11-13
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/868,681 32: 2022-12-12

54: Air Fryer

57: The design relates to an air fryer. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00517 22: 2023-04-26 23:
43: 2023-11-13
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2022-00539 32: 2022-10-28

54: Watch Case

57: The design relates to a watch case. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

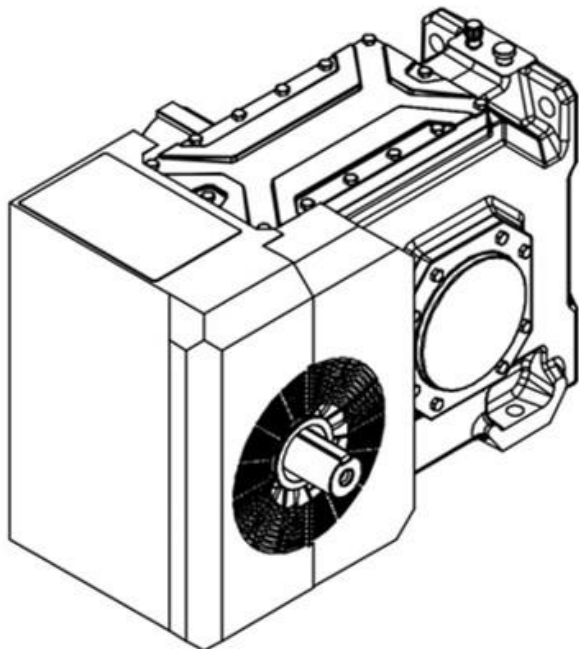


FRONT PERSPECTIVE VIEW

21: A2023/00519 22: 2023-04-28 23:
43: 2023-11-14
52: Class 15 24: Part A
71: FLENDER GMBH
33: EU 31: 015004801 32: 2022-11-30

54: GEAR BOX CASING

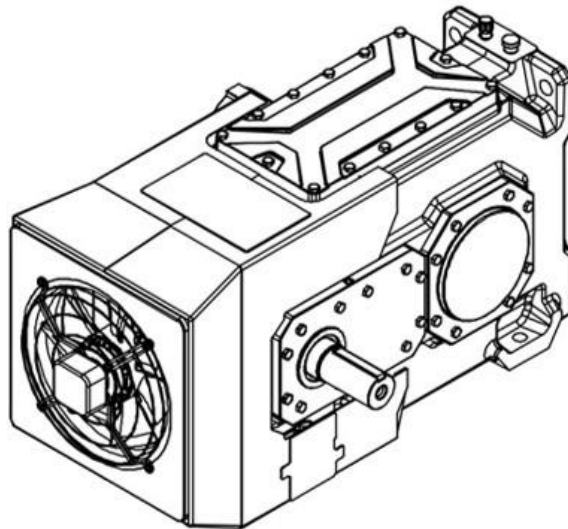
57: The design is applied to a gear box casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear box casing, substantially as illustrated in the accompanying representation.



21: A2023/00520 22: 2023-04-28 23:
43: 2023-11-14
52: Class 15 24: Part A
71: FLENDER GMBH
33: EU 31: 015004801 32: 2022-11-30

54: GEAR BOX CASING

57: The design is applied to a gear box casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear box casing, substantially as illustrated in the accompanying representation.



21: A2023/00521 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory has a roof and a pair of sides which extend downwardly outwardly from opposite side edges of the roof. Each side has a generally trapezium shaped window therein. A front edge of the roof has a centrally disposed recess therein. A recessed front extends downwardly from the roof between the sides. A spoiler which incorporates a brake light protrudes from a rear edge of the roof. A rear cross member is connected to and extends between the bottoms of the rear edges of the sides. A door is hingedly connected to a rear of the roof and in a closed position it closes an aperture defined between the rear edges of the roof and sides and the cross member. A centrally positioned handle is provided on the door.

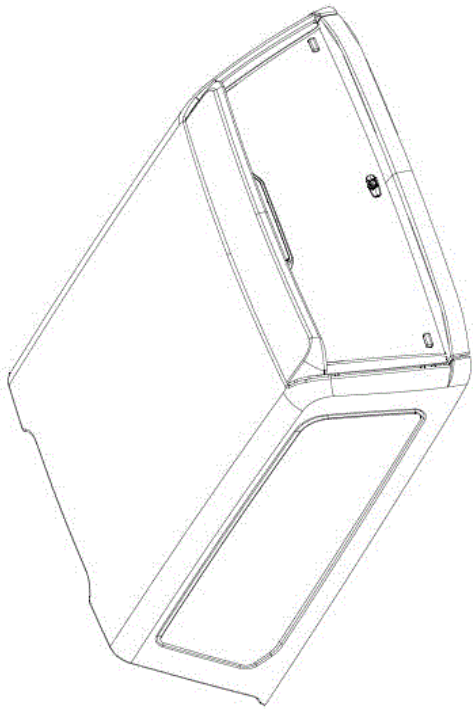


Figure 1
Three-dimensional view

21: A2023/00522 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes generally trapezoidal shaped windows provided on each side of the vehicle accessory, the windows spanning predominantly the entire length of the vehicle accessory. A width of each window decreases gradually rearwardly. A rear edge of each window is inclined rearwardly downwardly.



Figure 1
Side view

21: A2023/00523 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes a rear spoiler with rounded edges. An elongate horizontally extending centrally disposed generally trapezoid shaped brake light is provided on the rear spoiler.

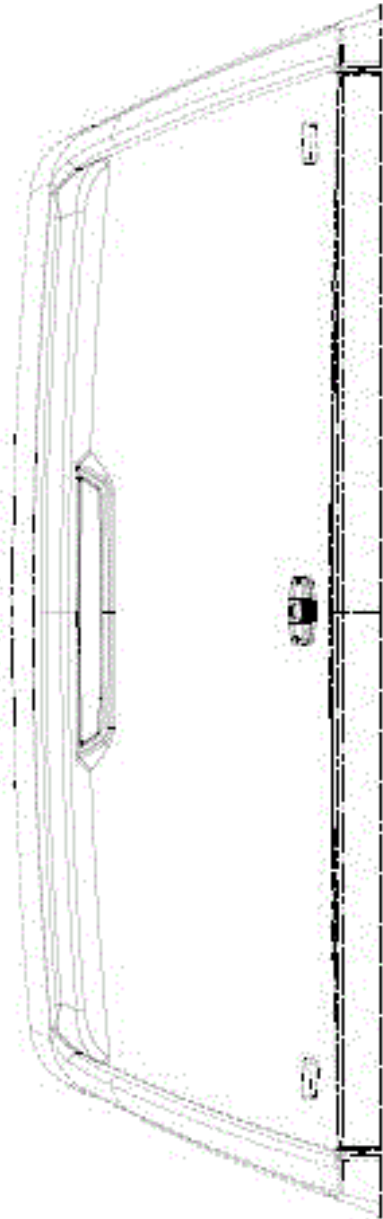


Figure 1
Rear view



Figure 1
Rear view

21: A2023/00524 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes a generally trapezoid shaped rear door. A centrally disposed handle is mounted on the rear door towards a lower edge thereof. A pair of knobs flank the handle on each side adjacent side edges of the door.

21: A2023/00525 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory has a roof and a pair of sides which extend downwardly outwardly from opposite side edges of the roof. Each side has a rectangular shaped window spanning predominantly the length of the side of the accessory and has a step in a lower edge such that a front portion of the window is wider than a rear portion of the window. A front edge

of the roof has a centrally disposed recess therein. A spoiler which incorporates a brake light protrudes from a rear edge of the roof. A door is hingedly connected to a rear of the roof and in a closed position it closes an aperture defined between the rear edges of the roof and the sides. The door includes a rear window and a centrally disposed handle mounted on the rear door towards a lower edge thereof. A pair of knobs flank the handle on each side adjacent side edges of the door.

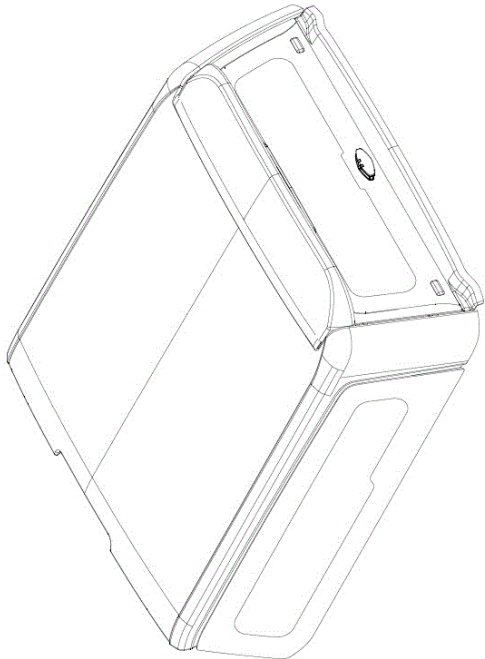


Figure 1
Three-dimensional view

21: A2023/00526 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes generally rectangular shaped windows provided on each side of the vehicle accessory. Each window spans predominantly the entire length of the side of the accessory and has a step in a lower edge such that a front portion of the window is wider than a rear portion of the window.

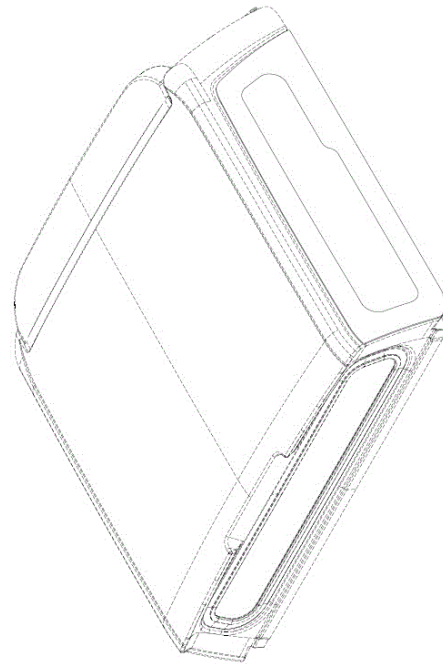


Figure 3
Three-dimensional view

21: A2023/00527 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes a rear spoiler with rounded edges. An elongate horizontally extending centrally disposed generally trapezoid shaped brake light is provided on the rear spoiler.



Figure 4
Three-dimensional view

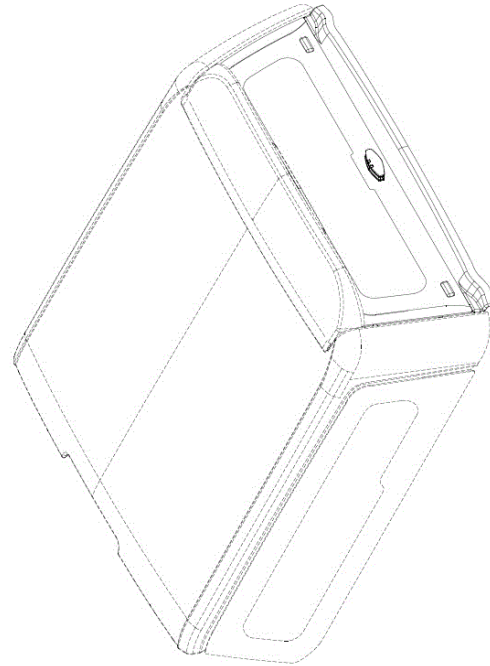


Figure 3
Three-dimensional view

21: A2023/00528 22: 2023-04-28 23:
43: 2022-10-28
52: Class 12 24: Part A
71: Leer Group
33: US 31: 29/867,563 32: 2022-10-28

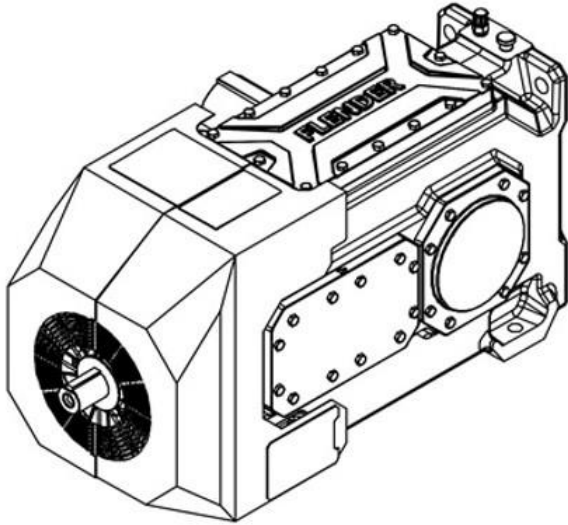
54: VEHICLE ACCESSORIES

57: The design relates to a vehicle accessory in the form of a canopy for a pickup truck. The vehicle accessory includes a generally trapezoid shaped rear door. The rear door includes a rear window and a centrally disposed handle mounted on the rear door towards a lower edge thereof. A pair of knobs flank the handle on each side adjacent side edges of the door.

21: A2023/00529 22: 2023-04-28 23:
43: 2023-11-14
52: Class 15 24: Part A
71: FLENDER GMBH
33: EU 31: 015004801 32: 2022-11-30

54: GEAR BOX CASING

57: The design is applied to a gear box casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear box casing, substantially as illustrated in the accompanying representation. The textual matter appearing on the gear box casing does not form part of the design and is disclaimed.



21: A2023/00534 22: 2023-03-17 23:
43: 2023-11-14
52: Class 24 24: Part A
71: SOFTHALE NV

33: EU 31: 009193188-0004 32: 2022-09-30

54: INHALER

57: The design is applied to an inhaler. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler, substantially as illustrated in the accompanying representation.

21: A2023/00535 22: 2023-03-17 23:
43: 2023-11-14
52: Class 24 24: Part A
71: SOFTHALE NV

33: EU 31: 009193188-0007 32: 2022-09-30

54: INHALER

57: The design is applied to an inhaler. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler, substantially as illustrated in the accompanying representation. The shading shown in the representation does not form part of the design and is disclaimed.



21: A2023/00536 22: 2023-03-17 23:

43: 2023-11-14

52: Class 24 24: Part A

71: SOFTHALE NV

33: EU 31: 009193188-0008 32: 2022-09-30

54: INHALER

57: The design is applied to an inhaler. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler, substantially as illustrated in the accompanying representation. The shading shown in the representation does not form part of the design and is disclaimed.

21: A2023/00537 22: 2023-03-17 23:

43: 2023-11-14

52: Class 24 24: Part A

71: SOFTHALE NV

33: EU 31: 009193188-0014 32: 2022-09-30

54: INHALER CARTRIDGE

57: The design is applied to an inhaler cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler cartridge, substantially as illustrated in the accompanying representation. The shading shown in the representation does not form part of the design and is disclaimed.



21: A2023/00538 22: 2023-03-17 23:
43: 2023-11-14
52: Class 24 24: Part A
71: SOFTHALE NV
33: EU 31: 009193188-0015 32: 2022-09-30

54: INHALER CARTRIDGE

57: The design is applied to an inhaler cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler cartridge, substantially as illustrated in the accompanying representation. The shading shown in the representation does not form part of the design and is disclaimed.

21: A2023/00539 22: 2023-03-17 23:
43: 2023-11-14
52: Class 24 24: Part A
71: SOFTHALE NV
33: EU 31: 009193188-0016 32: 2022-09-30

54: INHALER CARTRIDGE

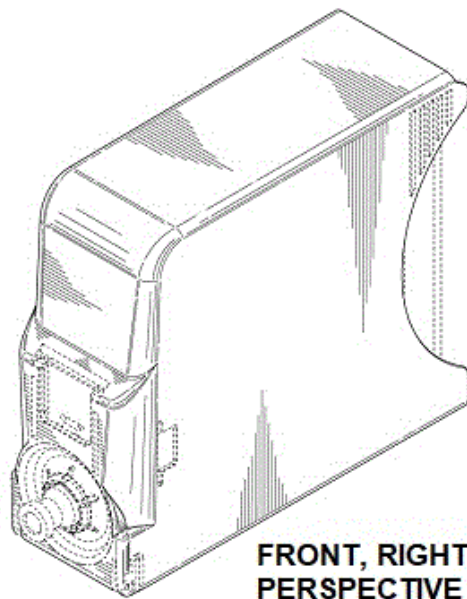
57: The design is applied to an inhaler cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the inhaler cartridge, substantially as illustrated in the accompanying representation. The shading shown in the representation does not form part of the design and is disclaimed.



21: A2023/00543 22: 2023-05-05 23:
43: 2023-11-13
52: Class 18. 24: Part A
71: VIDEOJET TECHNOLOGIES INC.
33: US 31: 29/859,091 32: 2022-11-07

54: Cartridge for a Printer

57: The design relates to a cartridge for a printer.
The features of the design are those of shape and/or
configuration and/or ornamentation.



**FRONT, RIGHT
PERSPECTIVE VIEW**

21: A2023/00541 22: 2023-05-05 23:
43: 2023-11-13
52: Class 24 24: Part A
71: BIOCORP PRODUCTION S.A., à Conseil
d'Administration
33: WO 31: DM/226830 32: 2022-11-09

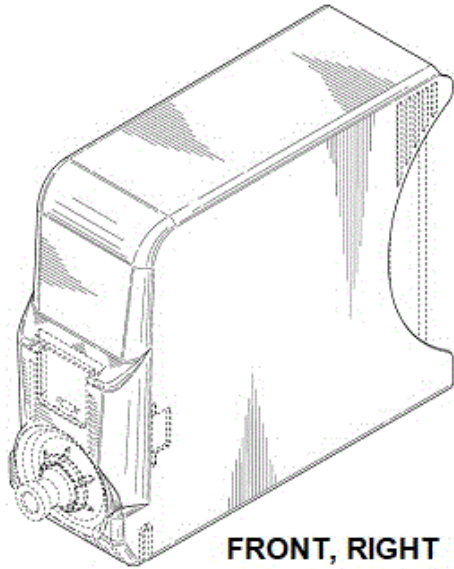
54: ADD-ON FOR INJECTOR PEN

57: The drawing shows a perspective rear view of an
add-on for an injector pen such as an insulin pen in
accordance with the present design showing the
overall appearance thereof.

21: A2023/00544 22: 2023-05-05 23:
43: 2023-11-13
52: Class 18. 24: Part A
71: VIDEOJET TECHNOLOGIES INC.
33: US 31: 29/859,091 32: 2022-11-07

54: Cartridge for a Printer

57: The design relates to a cartridge for a printer.
The features of the design are those of shape and/or
configuration and/or ornamentation.

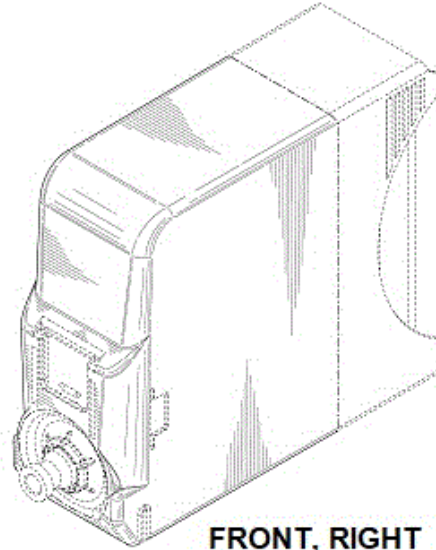


**FRONT, RIGHT
PERSPECTIVE VIEW**

33: US 31: 29/859,091 32: 2022-11-07

54: Cartridge for a Printer

57: The design relates to a cartridge for a printer. The features of the design are those of shape and/or configuration and/or ornamentation.



**FRONT, RIGHT
PERSPECTIVE VIEW**

21: A2023/00545 22: 2023-05-05 23:

43: 2023-11-13

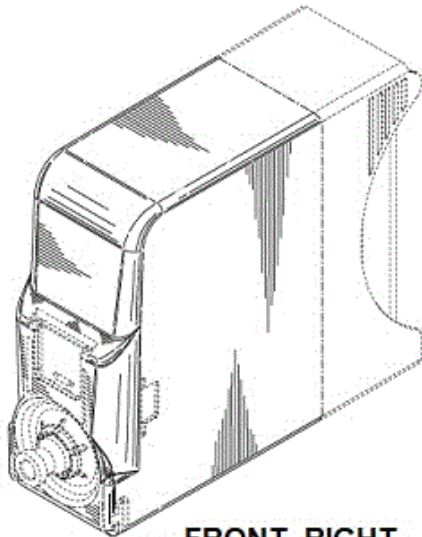
52: Class 18. 24: Part A

71: VIDEOJET TECHNOLOGIES INC.

33: US 31: 29/859,091 32: 2022-11-07

54: Cartridge for a Printer

57: The design relates to a cartridge for a printer. The features of the design are those of shape and/or configuration and/or ornamentation.



**FRONT, RIGHT
PERSPECTIVE VIEW**

21: A2023/00553 22: 2023-05-10 23:

43: 2023-11-13

52: Class 9 24: Part A

71: SCOTT, Alta, Elizabeth

54: A LID FOR A CONTAINER

57: The design relates to a lid for a shake container. The features of the design are those of shape and/or configuration. Protection is not claimed for the part of the shake container part shown in dashed lines.

21: A2023/00546 22: 2023-05-05 23:

43: 2023-11-13

52: Class 18. 24: Part A

71: VIDEOJET TECHNOLOGIES INC.

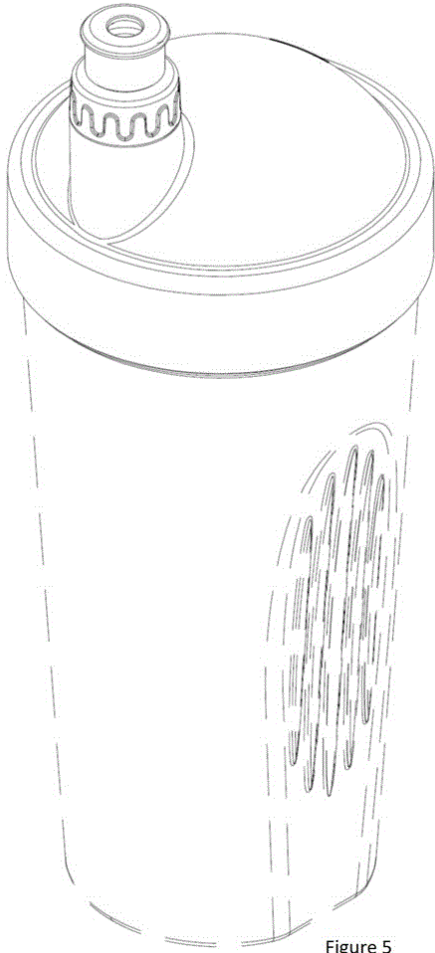
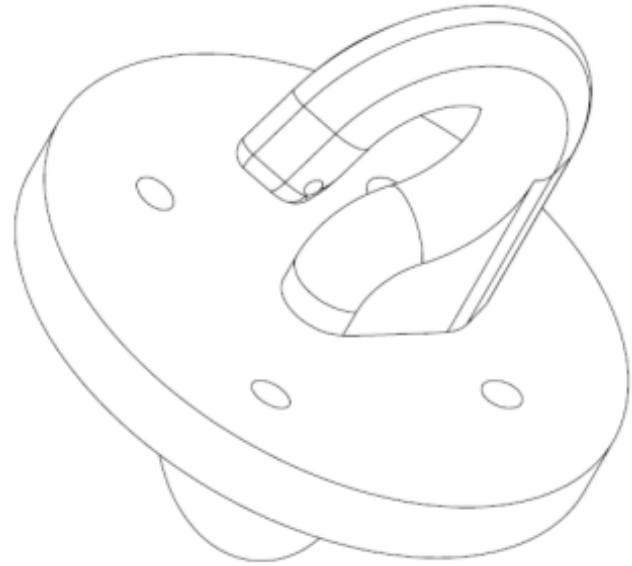


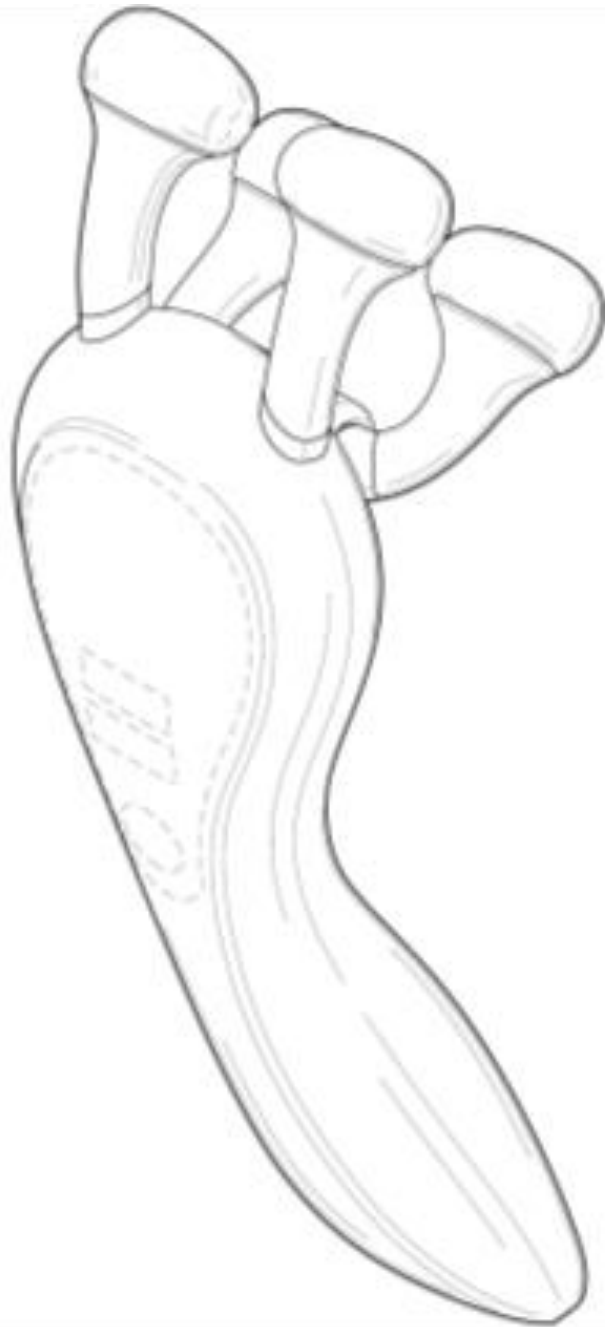
Figure 5

21: A2023/00569 22: 2023-05-12 23: 2023-01-02
 43: 2023-11-15
 52: Class 15 24: Part A
 71: VAN ZYL STAALWERKE (PTY) LIMITED
54: HEAVY-DUTY DISH FOR A TILLAGE IMPLEMENT

57: The features of the design for which protection is claimed reside the shape and/or configuration of a heavy-duty dish for a tillage implement substantially as shown in the accompanying representations.



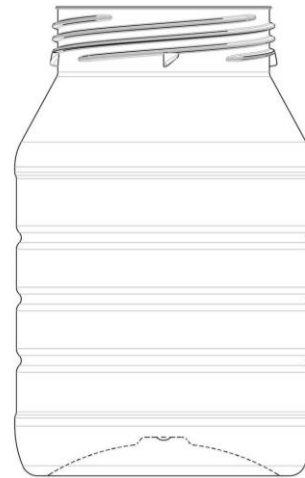
21: A2023/00571 22: 2023-05-12 23:
 43: 2023-12-18
 52: Class 24 24: Part A
 71: MICRO CURRENT TECHNOLOGY, INC.
 33: US 31: 29/881,295 32: 2022-12-29
54: MICRO-CURRENT DELIVERY DEVICE
 57: The design is applied to a micro-current delivery device. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the micro-current delivery device, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines are provided to indicate the contours but do not form part of the design and are disclaimed.



21: A2023/00577 22: 2023-05-15 23:
43: 2023-11-15
52: Class 09 24: Part A
71: Polyoak Packaging (Pty) Ltd

54: CONTAINER

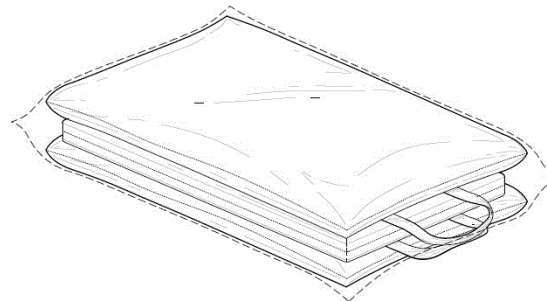
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: A2023/00653 22: 2023-05-31 23:
43: 2023-12-14
52: Class 6 24: Part A
71: IMPORT KALEIDOSCOPE CC

54: BULLETPROOF PILLOW

57: The design relates to a bulletproof pillow. As shown in the accompanying representations the bulletproof pillow includes an impact protective arrangement and a pair of cushioned supports. The pair of cushioned supports are secured to the impact protective arrangement so that the impact protective arrangement is located between the pair of cushioned supports. The bulletproof pillow further includes a pair of handles which in use extend through a pillowcase.



PERSPECTIVE VIEW

21: A2023/00679 22: 2023-06-08 23:
43: 2023-12-14
52: Class 14 24: Part A
71: CONRADIE FAMILY TRUST

54: A MOBILE DEVICE HOLDER

57: The design is applied to a mobile device holder. The features of the design for which protection is claimed are those of the shape and/or configuration

of the mobile device holder, substantially as illustrated in the accompanying representation.

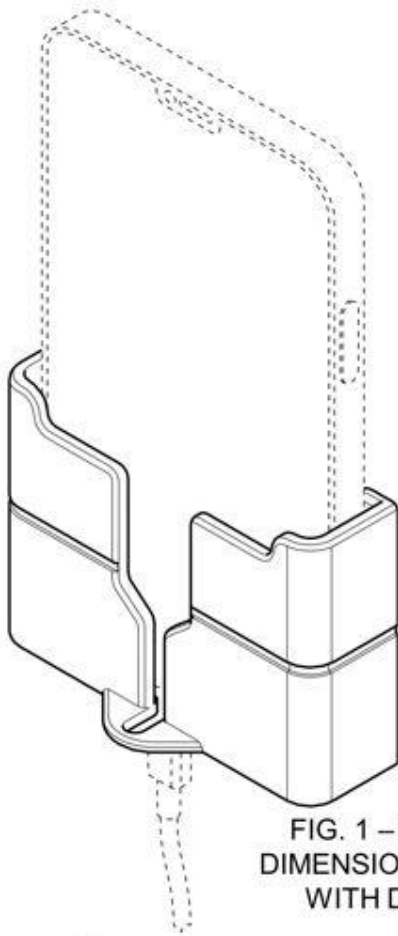
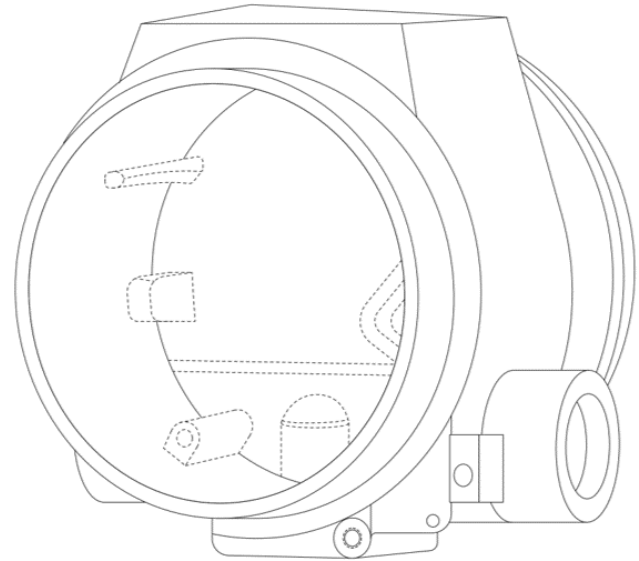


FIG. 1 – THREE-DIMENSIONAL VIEW WITH DEVICE



21: A2023/00694 22: 2023-06-15 23:
43: 2023-12-14

52: Class 10 24: Part A
71: ROSEMOUNT INC.

33: US 31: 29/869,388 32: 2022-12-29

54: PRESSURE TRANSMITTER HOUSING

57: The design is applied to a pressure transmitter housing. The features of the design for which protection is claimed are those of the shape and/or configuration of the pressure transmitter housing, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines are provided to indicate the contours but do not form part of the design and are disclaimed.

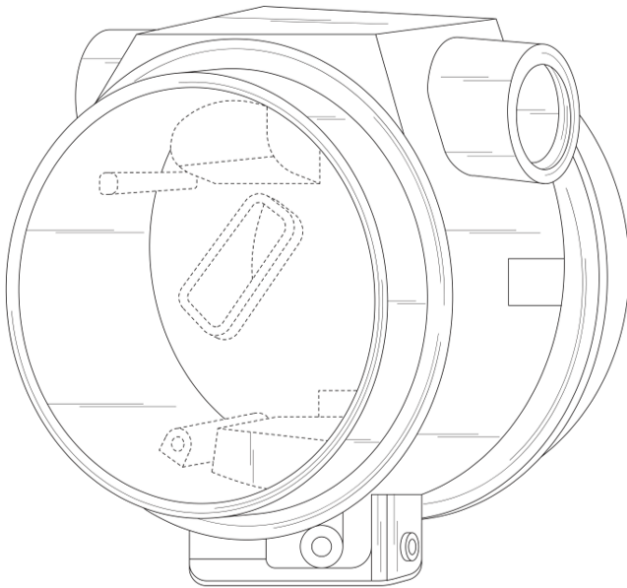
21: A2023/00688 22: 2023-06-12 23:
43: 2023-12-14

52: Class 10 24: Part A
71: ROSEMOUNT INC.

33: US 31: 29/869,383 32: 2022-12-29

54: TEMPERATURE TRANSMITTER HOUSING

57: The design is applied to a temperature transmitter housing. The features of the design for which protection is claimed are those of the shape and/or configuration of the temperature transmitter housing, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



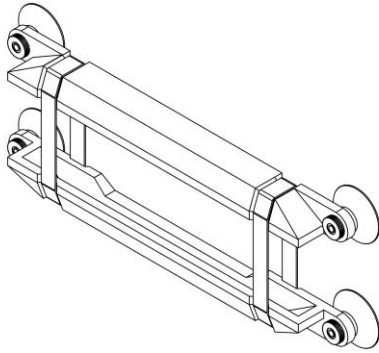
21: A2023/00995 22: 2023-09-12 23:
 43: 2023-12-14
 52: Class 06 24: Part A
 71: NINGBO TENGHAO OUTDOOR CO., LTD
54: FLODING TABLE (DOUBLE VESION)
 57: The design relates to a folding table. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



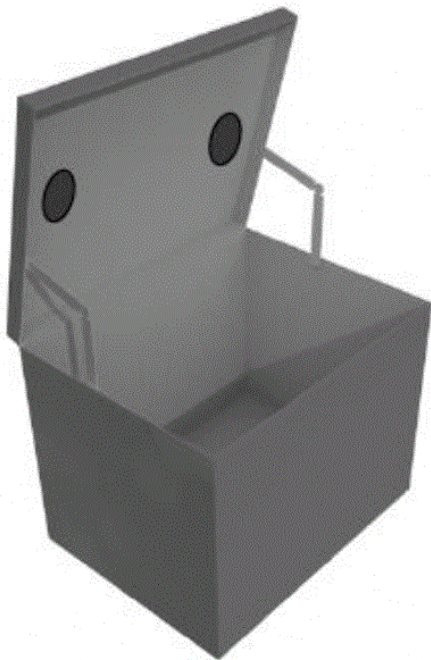
21: A2023/01007 22: 2023-09-14 23:
 43: 2023-12-14
 52: Class 06 24: Part A
 71: NINGBO TENGHAO OUTDOOR CO., LTD
54: EXPANDABLE STOOL
 57: The design relates to an expandable stool. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



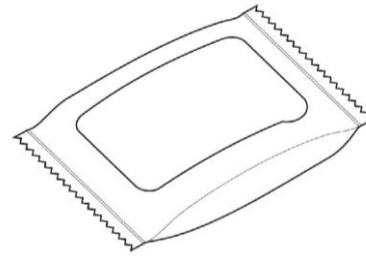
21: A2023/01199 22: 2023-11-06 23:
 43: 2023-12-04
 52: Class 14 24: Part A
 71: Dieter Zermatten
54: UNIVERSAL PHONE HOLDER
 57: The design relates to a Universal Phone Holder. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



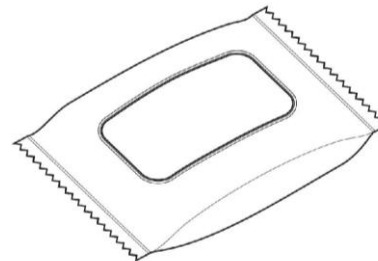
21: A2023/01200 22: 2023-11-06 23:
43: 2023-12-04
52: Class 12 24: Part A
71: Leon Ramkilawan
54: HEATED DELIVERY BOX
57: The design relates to a Heated delivery box. The features of the design are those of shape and/or pattern and/or configuration.



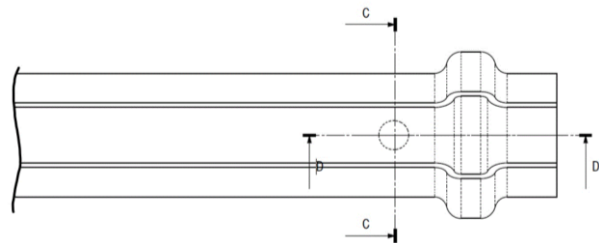
21: F2022/00802 22: 2022-07-12 23:
43: 2023-02-07
52: Class 09 24: Part F
71: VAN ROOYEN, DRIKUS HENDRIK, VAN DER MERWE, ANANDE, STEENKAMP, GUSTAV HENRI
54: FOOD PACKAGING CONTAINER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a resealable food packaging container as shown in the accompanying representations, irrespective of the features shown in broken lines.



21: F2022/00804 22: 2022-07-12 23:
43: 2023-02-07
52: Class 09 24: Part F
71: VAN ROOYEN, DRIKUS HENDRIK, VAN DER MERWE, ANANDE, STEENKAMP, GUSTAV HENRI
54: FOOD PACKAGING CONTAINER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a non-sealable food packaging container as shown in the accompanying representations, irrespective of the features shown in broken lines.



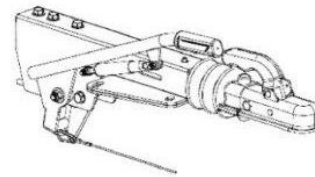
21: F2022/00924 22: 2022-08-12 23:
43: 2023-11-07
52: Class 25 24: Functional
71: JOZISCAPE (PTY) LTD
54: A ROCK BOLT
57: The design is applied to a rock bolt. The features of the design for which protection is claimed reside in the shape and/or configuration of a rock bolt having an integrally formed retaining formation substantially as shown in the accompanying representations, showing the overall appearance thereof. The straight dotted lines in Figure 1 represent tangent edges of the curved profile of the retaining formation and are not visible on the rock bolt.



21: F2023/00198 22: 2023-02-14 23: 2023-02-10
 43: 2023-12-18
 52: Class 30 24: Part F
 71: EJAT Lerm

54: NECTAR FEEDER

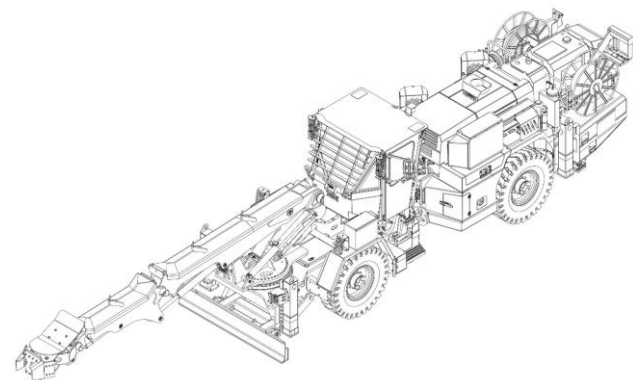
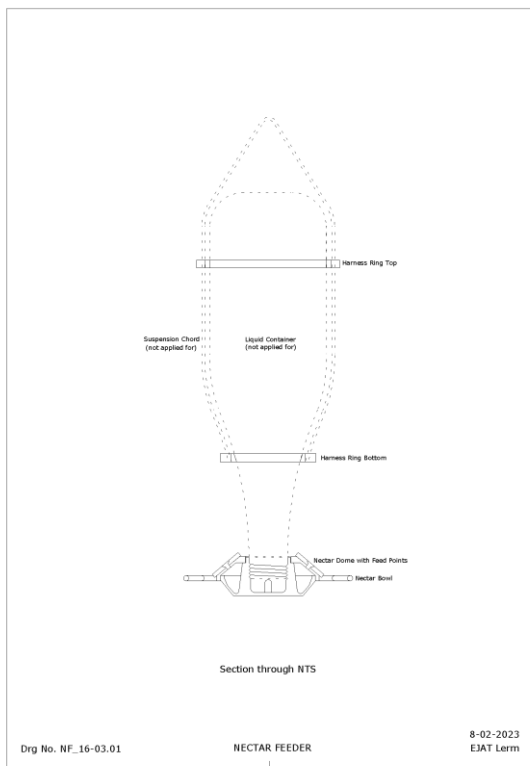
57: The design relates to a nectarivorous bird NECTAR FEEDER. The features of the design are those of pattern, shape, configuration and functionality in terms of a Nectar Feeder which consist of Support Rings (Top & Bottom) in order to suspend a soft drink or other PET bottle in the vertical upside down position. The soft drink or other PET bottle serves to contain formulated nectar medium, in order to facilitate ad hoc feeding of nectarivorous birds from feed points incorporated in a Nectar Dome and Nectar Bowl attached to the container.



21: F2023/00364 22: 2023-03-13 23:
 43: 2023-12-18
 52: Class 15 24: Part F
 71: Normet Oy
 33: EU 31: 009189590-0005 32: 2022-09-28

54: MINING MACHINES

57: The design is for a mining machine for scaling loose rock in underground excavation.



21: F2023/00413 22: 2023-04-03 23:
 43: 2023-11-15
 52: Class 24 24: Part F
 71: Emulous (Pty) Ltd

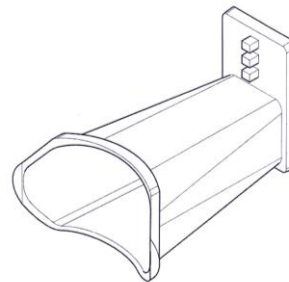
54: DENTAL SCOPE

57: The features for which protection is claimed reside in the shape and/or configuration of a dental scope which includes a support structure "S" which has a plurality of securing formations "F" formed on one side thereof, substantially as shown in the accompanying drawings. The shape, size and the number of formations "F" are variable.

21: F2023/00282 22: 2023-02-27 23: 2023-01-09
 43: 2023-09-12
 52: Class 12 24: Part F
 71: Roadque (Pty) Ltd

54: A COUPLER

57: The features of the design for which protection is claimed are the shape, pattern and configuration of a coupler as illustrated in the accompanying drawings.

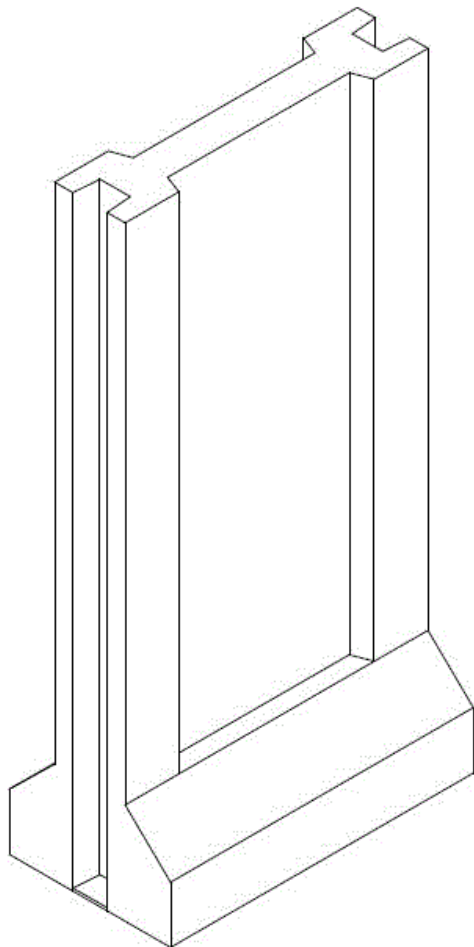


21: F2023/00448 22: 2023-04-11 23:
 43: 2023-04-11

52: Class 25 24: Part F
 71: PRINSLOO, Wessel Frans, TOPFLOOR
 CONCRETE PROPRIETARY LIMITED

54: Construction members

57: The design relates to a construction member substantially as shown in the accompanying representations. The construction member has an inverted T-shaped configuration. The construction member includes a pair of spaced elongate support posts and a walling web extending between the support posts. The construction member further includes a base flange providing a relatively wide base on which the construction member is supported on a substrate. The support posts and the base flange define longitudinally-extending locating grooves at opposite ends of the construction member in which end regions of wall panels are received. The locating grooves are disposed at an orientation of 180° relative to one another.



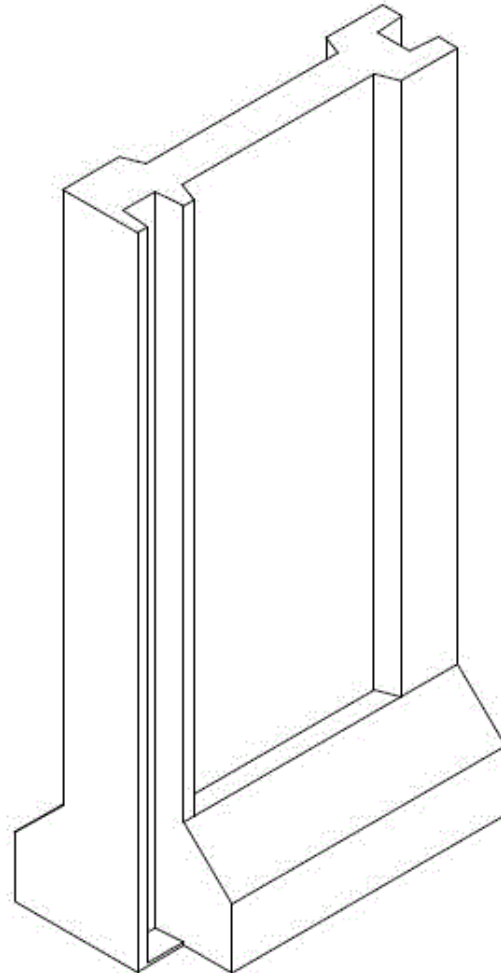
Three-dimensional view from above

21: F2023/00449 22: 2023-04-11 23:

43: 2023-04-11
 52: Class 25 24: Part F
 71: PRINSLOO, Wessel Frans, TOPFLOOR
 CONCRETE PROPRIETARY LIMITED

54: Construction members

57: The design relates to a construction member substantially as shown in the accompanying representations. The construction member has an inverted T-shaped configuration. The construction member includes a pair of spaced elongate support posts and a walling web extending between the support posts. The construction member further includes a base flange providing a relatively wide base on which the construction member is supported on a substrate. The support posts and the base flange define longitudinally-extending locating grooves at opposite ends of the construction member in which end regions of wall panels are received. The locating grooves are disposed orthogonally relative to one another.



Three-dimensional view from above

21: F2023/00483 22: 2023-04-17 23:
43: 2023-04-17
52: Class 8 24: Part F
71: Papini Trading (Pty) Ltd

54: Curtain runners

57: This design relates to a curtain runner comprising a body, a dumbbell shaped roller operatively attached to the body and configured to rotate about a roller axis, and a swiveling base portion operatively attached to the body and configured to rotate or swivel about a swivel axis, wherein the swivel axis and the roller axis are transverse to each other, and wherein a head of the body extends along a head axis and is connected to a connecting member in the form of a cord which extends along an axis parallel to the head axis to connect the curtain runner to other similar curtain runners, wherein the head axis is transverse to both the swivel axis and the roller axis. The runner conveniently comprises a flexible cord connecting the curtain runner to other similar curtain runners, wherein the cord extends along an axis transverse to the swivel and roller axes.

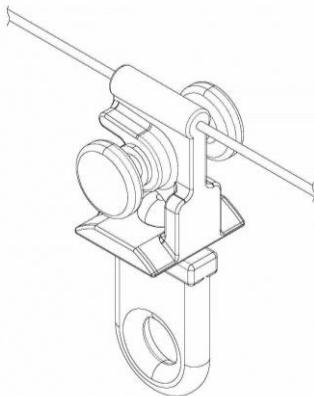


Figure 1
Three-dimensional view from front

21: F2023/00542 22: 2023-05-05 23:
43: 2023-11-13
52: Class 24 24: Functional
71: BIOCORP PRODUCTION S.A., à Conseil
d'Administration
33: WO 31: DM/226830 32: 2022-11-09

54: ADD-ON FOR INJECTOR PEN

57: The drawing shows a perspective rear view of an add-on for an injector pen such as an insulin pen in accordance with the present design showing the overall appearance thereof.



21: F2023/00554 22: 2023-05-10 23:
43: 2023-11-13
52: Class 9 24: Functional
71: SCOTT, Alta, Elizabeth

54: A LID FOR A CONTAINER

57: The design relates to a lid for a shake container. The features of the design are those of shape and/or configuration. Protection is not claimed for the part of the shake container part shown in dashed lines.

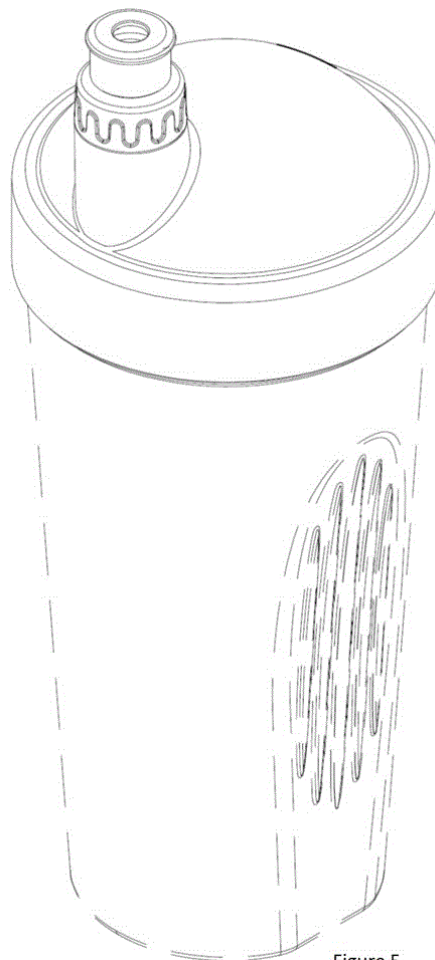


Figure 5

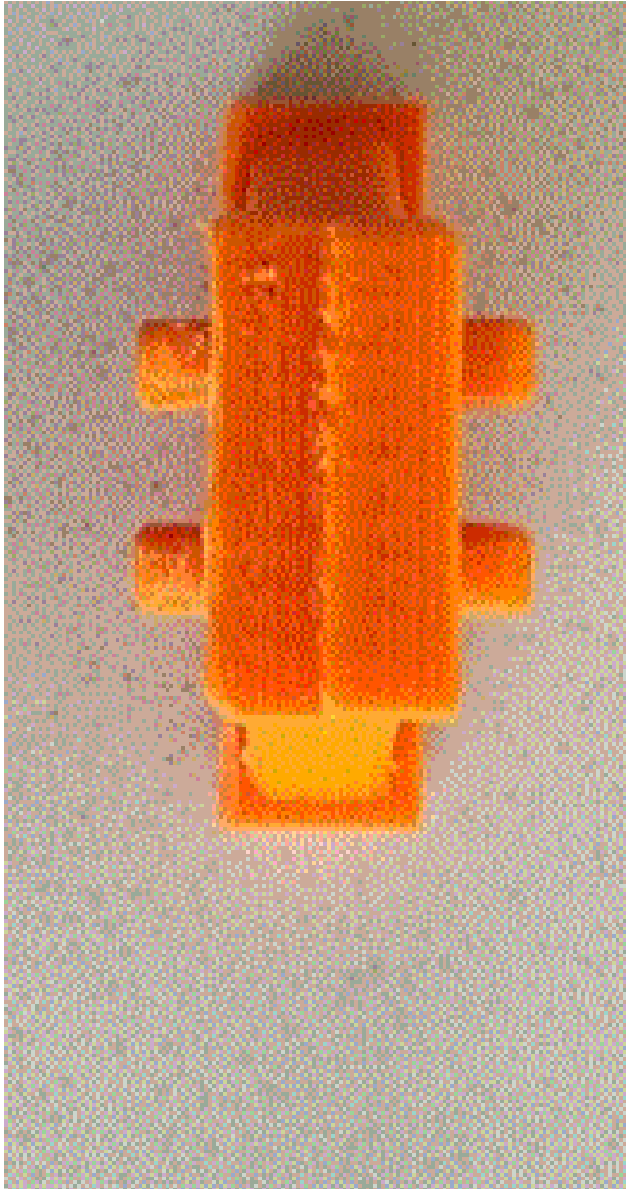
21: F2023/00555 22: 2023-05-10 23:
43: 2023-11-13

52: Class 13 24: Functional

71: NIENHUIS, Jan, Balster

54: ADJUSTABLE CLAMP FOR MOUNTING SOLAR PANELS

57: The design relates to a clamp part for Mounting Solar Panels. The features of the design are those of shape and/or configuration. Figures 6 and 7 is for illustrative purposes only and does not form part of the design



21: F2023/00556 22: 2023-05-10 23:
43: 2023-11-13
52: Class 13 24: Functional

71: NIENHUIS, Jan, Balster

54: BRACKET FOR T-SLOT RAIL FOR MOUNTING SOLAR PANEL RAILS ON ROOF

57: The design relates to a Bracket for Mounting Solar Panel Rails on a Roof. The features of the design are those of shape and/or configuration. The rail shown in Figure 6 does not form part of the design.



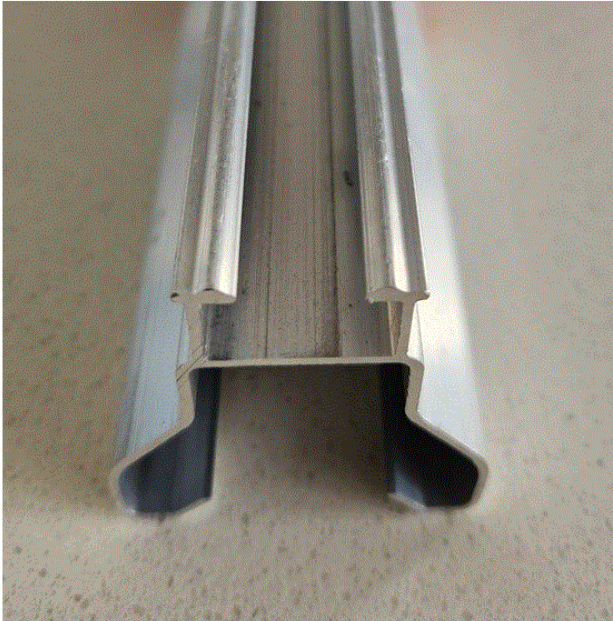
21: F2023/00557 22: 2023-05-10 23:
43: 2023-11-13

52: Class 13 24: Functional

71: NIENHUIS, Jan, Balster

54: RAIL FOR MOUNTING SOLAR PANELS ON SLOTTED BRACKET

57: The design relates to a profile for a Rail for Mounting Solar Panels. The features of the design are those of shape and/or configuration.



21: F2023/00558 22: 2023-05-10 23:

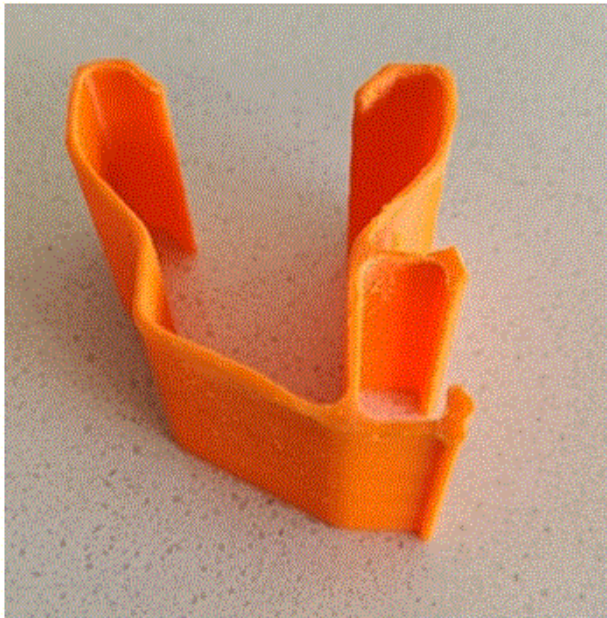
43: 2023-11-13

52: Class 13 24: Functional

71: NIENHUIS, Jan, Balster

54: SIDE T-SLOT RAIL FOR MOUNTING SOLAR PANELS ON SLOTTED BRACKET

57: The design relates to a profile for a Rail for Mounting Solar Panels. The features of the design are those of shape and/or configuration.



21: F2023/00560 22: 2023-05-10 23:

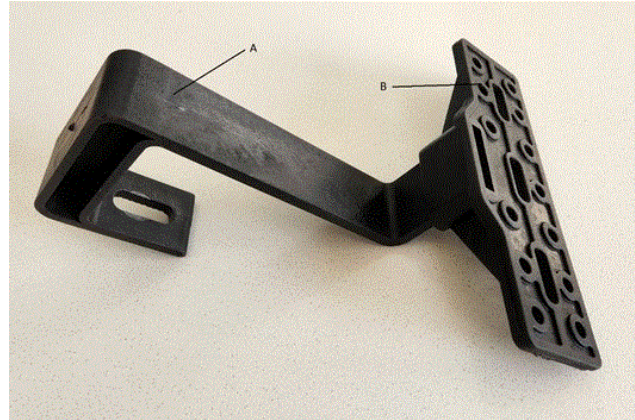
43: 2023-11-13

52: Class 13 24: Functional

71: NIENHUIS, Jan, Balster

54: BRACKET (2) FOR MOUNTING SOLAR PANEL RAILS ON TILED ROOF

57: The design relates to a Bracket for Mounting Solar Panel Rails on tiled Roof. The features of the design are those of shape and/or configuration. The rail shown in Figure 7 does not form part of the design.



21: F2023/00570 22: 2023-05-12 23: 2023-01-02

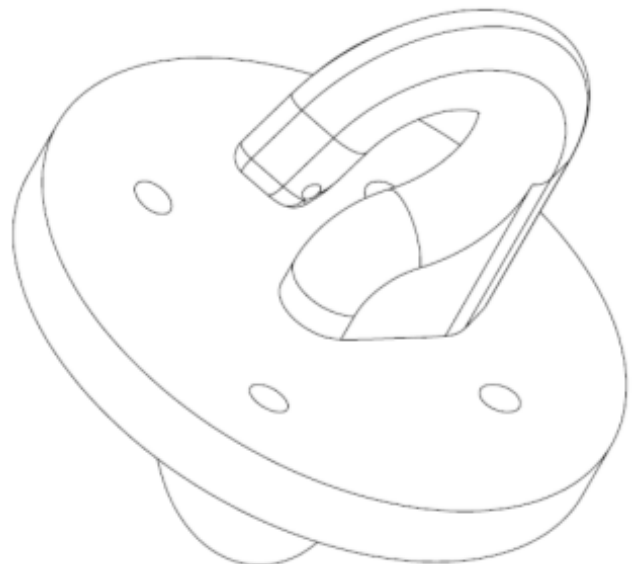
43: 2023-11-15

52: Class 15 24: Part F

71: VAN ZYL STAALWERKE (PTY) LIMITED

54: HEAVY-DUTY DISH FOR A TILLAGE IMPLEMENT

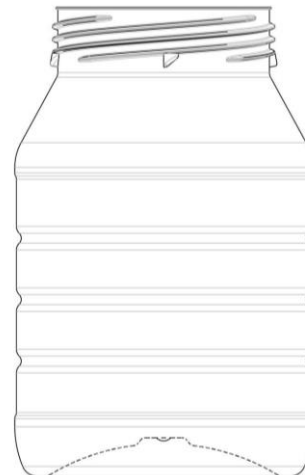
57: The features of the design for which protection is claimed reside the shape and/or configuration of a heavy-duty dish for a tillage implement substantially as shown in the accompanying representations



21: F2023/00576 22: 2023-05-15 23:
 43: 2023-11-15
 52: Class 09 24: Part F
 71: Polyoak Packaging (Pty) Ltd

54: CONTAINER

57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: F2023/00578 22: 2023-05-15 23:
 43: 2023-11-15
 52: Class 09 24: Part F
 71: Polyoak Packaging (Pty) Ltd

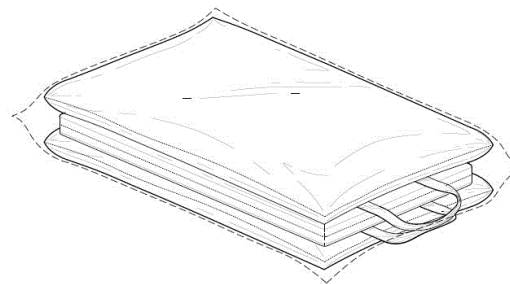
54: CONTAINER

57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

21: F2023/00652 22: 2023-05-31 23:
 43: 2023-12-14
 52: Class 6 24: Part F
 71: IMPORT KALEIDOSCOPE CC

54: BULLETPROOF PILLOW

57: The design relates to a bulletproof pillow. As shown in the accompanying representations the bulletproof pillow includes an impact protective arrangement and a pair of cushioned supports. The pair of cushioned supports are secured to the impact protective arrangement so that the impact protective arrangement is located between the pair of cushioned supports. The bulletproof pillow further includes a pair of handles which in use extend through a pillowcase.



PERSPECTIVE VIEW

21: F2023/00680 22: 2023-06-08 23:
 43: 2023-12-14
 52: Class 14 24: Part F
 71: CONRADIE FAMILY TRUST

54: A MOBILE DEVICE HOLDER

57: The design is applied to a mobile device holder. The features of the design for which protection is claimed are those of the shape and/or configuration

of the mobile device holder, substantially as illustrated in the accompanying representation.

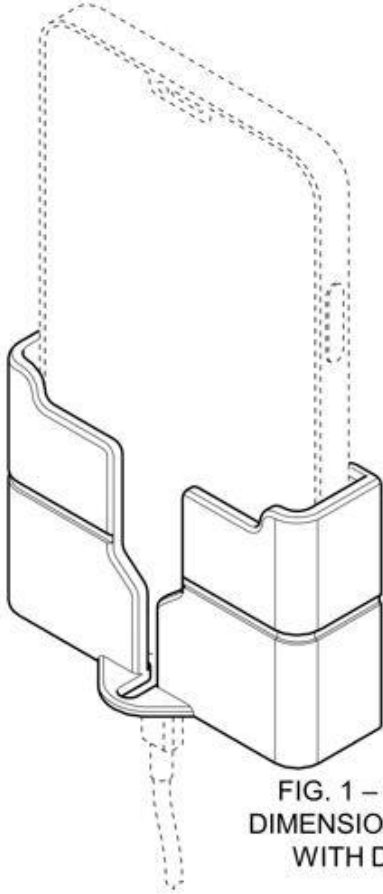
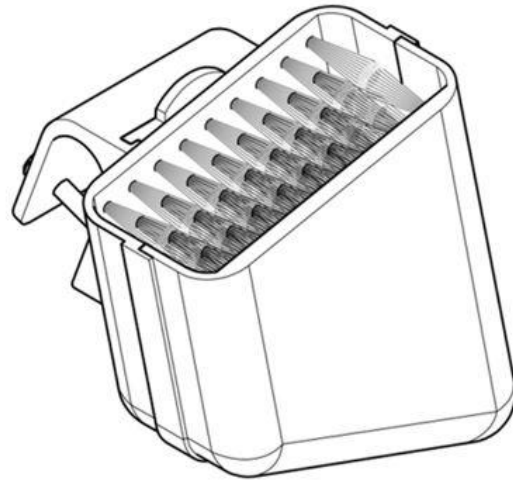
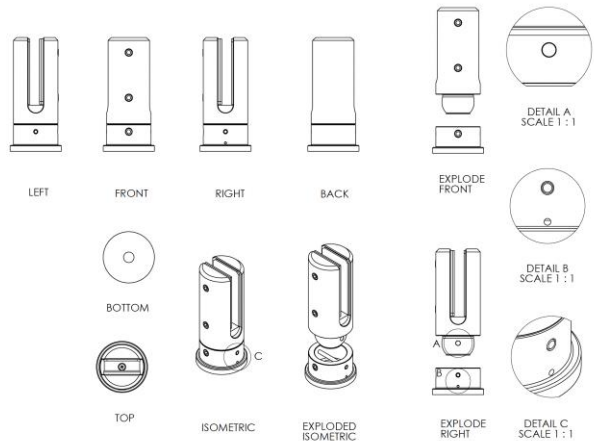


FIG. 1 – THREE-DIMENSIONAL VIEW WITH DEVICE

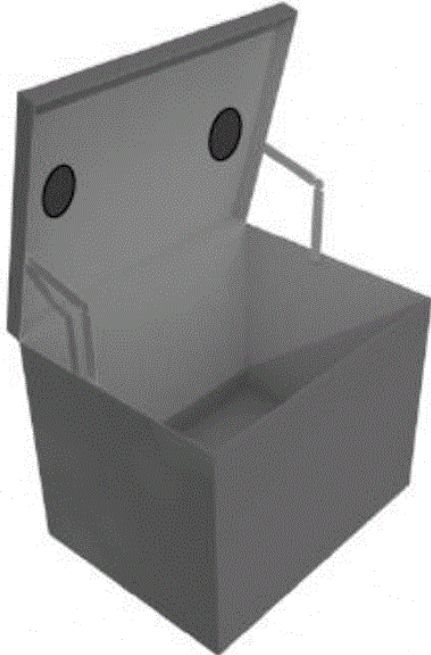
21: F2023/00682 22: 2023-06-08 23: 2023-12-14
 43: 2023-12-14
 52: Class 04 24: Part F
 71: CONRADIE FAMILY TRUST
54: GOLF CLUB HEAD CLEANER
 57: The design is applied to a golf club head cleaner. The features of the design for which protection is claimed are those of the shape and/or configuration of the golf club head cleaner, substantially as illustrated in the accompanying representation.



21: F2023/01196 22: 2023-11-03 23: 2023-09-15
 43: 2023-12-04
 52: Class 8 24: Part F
 71: Schematech (Pty) Ltd
54: GLASS SPIGOT
 57: The design relates to a Glass spigot. The features of the design are those of shape and/or pattern and/or configuration.



21: F2023/01201 22: 2023-11-06 23: 2023-12-04
 43: 2023-12-04
 52: Class 12 24: Part F
 71: Leon Ramkilawan
54: HEATED DELIVERY BOX
 57: The design relates to a Heated delivery box. The features of the design are those of shape and/or pattern and/or configuration.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

The amendments of trade marks application nos: **1995/13620-1** and **2014/23212-16** were advertised in the June 2018 journal with the word **THINOS** in the middle of the **Tree Device** which resulted as incorrect Trade Marks however the **27 June 2018** will remain as the valid publication date and these amendments should have appeared as correct as follows:

Notice Amendment of Trade Mark(S) No: 1995/13620 (S) In Class (Es) 36 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 1995/13621 (S) In Class (Es) 42 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 2014/23212 (S) In Class (Es) 35 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 2014/23213 (S) In Class (Es) 36 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 2014/23214 (S) In Class (Es) 39 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 2014/23215 (S) In Class (Es) 41 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

Notice Amendment of Trade Mark(S) No: 2014/23216 (S) In Class (Es) 44 in Terms of Section 25(1) of the Trade Marks Act No. 194 of 1993

Application has been made for amendment of the abovementioned Trade Mark(s) to the Form shown hereunder: -



FOUR SEASONS

Any person who objects to the amendment may within three months from date of this notice oppose the amendment. The reasons for objection must be stated on form TM3 and this form must be lodged with the Registrar of Trade Marks, Private Bag X 400, Pretoria, 0001.

Registrar of Trade Marks

PATENT CORRECTION NOTICES

The patent under application number **2022/08744** was advertised in the December 2023 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **20/12/2023**.

The present invention provides a structure protection sheet, which makes it possible to significantly reduce the work period in the provision of a protection layer on the surface of a structure such as concrete, to protect the structure for a long period, to prevent the occurrence of a blistering phenomenon associated with water vapor in the inside of the concrete, and to prevent the deterioration in adhesiveness. The present invention relates to a structure protection sheet comprising a polymer cement cured layer arranged on a structure side and a resin layer arranged on the polymer cement cured layer, the structure protection sheet being characterized by having a water vapor transmission rate of 10 to 50 g/m²·day.

The patent under application number **2022/09075** was advertised in the December 2023 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **20/12/2023**.

21: 2022/09075. 22: 2022/08/12. 43: 2023/10/23

51: C22B

71: PANGANG GROUP RESEARCH INSTITUTE CO., LTD.

72: FU, ZIBI, RAO, YUZHONG, WU, JINSHU, WU, YOU

33: CN 31: 202111391734.3 32: 2021-11-19

54: METHOD FOR EXTRACTING VANADIUM FROM VANADIUM-CONTAINING CARBONATE LEACHING SOLUTION AND RECYCLING RAFFINATE FROM VANADIUM PRECIPITATION PROCESS

00: -

The present disclosure relates to the technical field of vanadium extraction, in particular to a method for extracting vanadium from vanadium-containing carbonate leaching solution and recycling raffinate from vanadium precipitation process. The method comprises the following steps: a: contacting a vanadium-containing carbonate leaching solution with a HCO_3^- type anion exchange resin to obtain a vanadium-rich resin and an ion exchange raffinate; b: taking the ion exchange raffinate for cycle use in carbonate leaching process; c: contacting the vanadium-rich resin with a desorbent to obtain a desorption solution; d: adding ammonium bicarbonate to the desorption solution for vanadium precipitation, and filtering the solution to obtain ammonium metavanadate and vanadium precipitation raffinate; and e: taking the vanadium precipitation raffinate as the desorbent in step c for cycle use; wherein the desorbent is a solution containing ammonium bicarbonate and sodium bicarbonate. The method realizes exchange of vanadate and bicarbonate by using an ion exchange resin as a carrier. The process of extracting vanadium and circulation of medium in the carbonate leaching solution is simplified. The whole process is carried out at room temperature, and the energy consumption is reduced.

The patent under application number **2022/08745** was advertised in the December 2023 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **20/12/2023**.

21: 2022/08745. 22: 2022/08/04. 43: 2023/10/17

51: B21C; B21D

71: JFE STEEL CORPORATION

72: NAKAZAWA, RYO, SHIROSAWA, HIROYUKI, IDE, SHINSUKE

33: JP 31: 2020-047317 32: 2020-03-18

54: ELECTRIC RESISTANCE WELDED STEEL PIPE, METHOD FOR MANUFACTURING THE SAME, AND AUTOMOTIVE STRUCTURAL MEMBER

00: -

An electric resistance welded steel pipe having excellent formability and torsional fatigue resistance is provided, and a method for manufacturing the same is provided. An electric resistance welded steel pipe 1 including a seam region 3 and a base metal region 6, the seam region 3 having a range of ± 10 degrees in a pipe circumferential direction with respect to an electric resistance welded seam 2 formed in a pipe longitudinal direction, the base metal region 6 being a region other than the seam region 3, wherein the electric resistance welded steel pipe 1 has an r-value in the pipe longitudinal direction of 1.0 or greater, H (mm) and W (mm) satisfy formula (1) below, where H (mm) is a difference between $T_{S(MIN)}$ (mm) and $T_{B(AVE)}$ (mm) ($T_{B(AVE)} - T_{S(MIN)}$), $T_{S(MIN)}$ (mm) is a minimum wall thickness value of the seam region 3, $T_{B(AVE)}$ (mm) is an average wall thickness value of the base metal region 6, and W (mm) is an arc length of a pipe inner surface of the seam region 3, and $T_{S(MAX)}$ (mm) and $T_{B(AVE)}$ (mm) satisfy formula (2) below, where $T_{S(MAX)}$ (mm) is a maximum wall thickness value of the seam region 3. $H/W \leq 0.10$ formula (1) $T_{S(MAX)}/T_{B(AVE)} \leq 1.05$ formula (2).

The patent under application number **2022/08744** was advertised in the December 2023 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **20/12/2023**.

21: 2022/08744. 22: 2022/08/04. 43: 2023/10/17

51: B32B; E21D; E01D; C04B; E04G

71: KEIWA INCORPORATED

72: ASHIKAGA, MASAO, NAKAJIMA, YOSHIKI, FURUNAGA, TOSHIKATSU, HORIUCHI, NORIYUKI, NINOMIYA, AKIRA, IKEDA, YUKINOBU, SHIMOTANI, KENTA, MATSUNO, YUKI

33: JP 31: 2020-036255 32: 2020-03-03

33: JP 31: 2020-036257 32: 2020-03-03

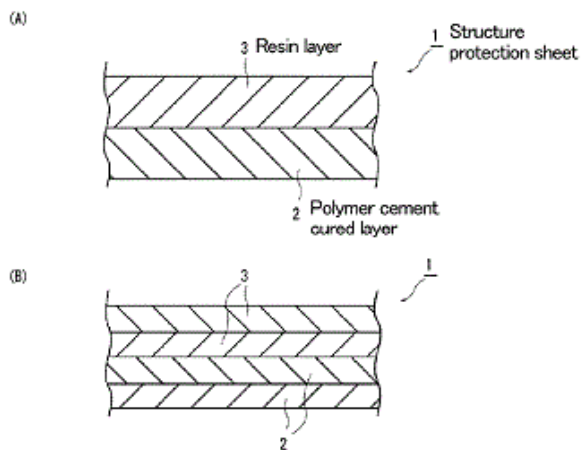
33: JP 31: 2020-036256 32: 2020-03-03

33: JP 31: 2020-088210 32: 2020-05-20

54: STRUCTURE PROTECTION SHEET, CONCRETE BLOCK, AND METHOD FOR MANUFACTURING REINFORCED STRUCTURE

00: -

The present invention provides a structure protection sheet, which makes it possible to significantly reduce the work period in the provision of a protection layer on the surface of a structure such as concrete, to protect the structure for a long period, to prevent the occurrence of a blistering phenomenon associated with water vapor in the inside of the concrete, and to prevent the deterioration in adhesiveness. The present invention relates to a structure protection sheet comprising a polymer cement cured layer arranged on a structure side and a resin layer arranged on the polymer cement cured layer, the structure protection sheet being characterized by having a water vapor transmission rate of 10 to 50 g/m²·day.



COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for January 2024

Number of Advertised Patents: 582

Application Number	Patent Title	Filing Date
2013/07743	HIGH DIAMOND FRAME STRENGTH PCD MATERIALS	2013/10/17
2014/04904	CALMANGAFODIPIR, A NEW CHEMICAL ENTITY, AND OTHER MIXED METAL COMPLEXES, METHODS OF PREPARATION, COMPOSITIONS, AND METHODS OF TREATMENT	2014/07/02
2016/04468	ANALYSIS OF GENOMIC DNA, RNA, AND PROTEINS IN EXOSOMES FOR DIAGNOSIS AND THERANOSIS	2016/06/30
2016/06134	PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS	2016/09/05
2017/01299	GLYCOSIDASE INHIBITORS	2017/02/21
2017/05050	OPTIMIZED SOLID SUBSTRATES, TOOLS FOR USE WITH SAME AND USES THEREOF FOR PROMOTING CELL AND TISSUE GROWTH	2017/07/25
2017/05113	CYSTEINE PROTEASE	2017/07/27
2017/05114	CYSTEINE PROTEASE	2017/07/27
2017/06354	CARBON DIOXIDE SEQUESTRATION WITH MAGNESIUM HYDROXIDE AND REGENERATION OF MAGNESIUM HYDROXIDE	2017/09/20
2018/02494	OLIGONUCLEOTIDES FOR INDUCING PATERNAL UBE3A EXPRESSION	2018/04/16
2018/03954	A METHOD AND AN APPARATUS FOR MONITORING AND CONTROLLING DEPOSIT FORMATION	2018/06/13
2018/04513	METHOD OF TREATING C3 GLOMERULOPATHY	2018/07/06
2018/04654	ANTI-CD74 ANTIBODY CONJUGATES, COMPOSITIONS COMPRISING ANTI-CD74 ANTIBODY CONJUGATES AND METHODS OF USING ANTI-CD74 ANTIBODY CONJUGATES	2018/07/12
2018/04682	CATALYST SYSTEM FOR LEAN GASOLINE DIRECT INJECTION ENGINES	2018/07/13
2018/05145	FITTING HAVING TABBED RETAINER AND OBSERVATION APERTURES	2018/07/31
2018/05928	METHOD FOR PRODUCTION OF A HYDROGEN RICH GAS	2018/09/04
2018/06389	PROSTATE-SPECIFIC MEMBRANE ANTIGEN TARGETED HIGH-AFFINITY AGENTS FOR ENDORADIOTHERAPY OF PROSTATE CANCER	2018/09/25
2018/07920	ANTI-191;G1TR ANTIBODIES AND USES	2018/11/22

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	THEREOF	
2019/01922	DISTRIBUTED BRAKE RETENTION AND CONTROL SYSTEM FOR A TRAIN AND ASSOCIATED METHODS	2019/03/28
2019/01972	SOFTWARE-DEFINED DEVICE INTERFACE SYSTEM AND METHOD	2019/03/29
2019/03637	ARRAY INCLUDING SEQUENCING PRIMER AND NON-SEQUENCING ENTITY	2019/06/06
2019/04723	POPULATION-BASED IMMUNOGENIC PEPTIDE IDENTIFICATION PLATFORM	2019/07/18
2019/04725	PERSONALISED IMMUNOGENIC PEPTIDE IDENTIFICATION PLATFORM	2019/07/18
2019/04855	CONTENT STREAMING SYSTEM AND METHOD	2019/07/24
2019/05538	METHODS FOR GENERATING AND SCREENING COMPARTMENTALISED PEPTIDE LIBRARIES	2019/08/22
2019/05551	ATTACHMENT FOR A VEHICLE WHEEL	2019/08/22
2019/05664	NOVEL DOSAGE FORM	2019/08/28
2019/05822	ANTIBODIES AGAINST PD-L1	2019/09/03
2019/05867	WEARABLE PHYSIOLOGICAL MONITORING SYSTEMS AND METHODS	2019/09/05
2019/05875	IMMUNOSTIMULATING COMPOSITIONS AND USES THEREFORE	2019/09/05
2019/05930	HYDROGEL CROSS-LINKED HYALURONIC ACID PRODRUG COMPOSITIONS AND METHODS	2019/09/09
2019/05935	METHOD FOR PRODUCING HSL PROTEIN HAVING IMPROVED CATALYTIC ACTIVITY FOR 2-OXOGLUTARIC ACID-DEPENDENTLY OXIDIZING 4-HPPD INHIBITOR	2019/09/09
2019/06011	APOPTOSIS-INDUCING AGENTS	2019/09/11
2019/06209	ARYL HYDROCARBON RECEPTOR ANTAGONISTS AND USES THEREOF	2019/09/19
2019/06210	FORMULATION OF STEARYL ALCOHOL	2019/09/19
2019/06251	ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF MUSCLE SPECIFIC MICRO-DYSTROPHIN TO TREAT MUSCULAR DYSTROPHY	2019/09/20
2019/06363	CATALYST AND CATALYST GROUP	2019/09/26
2019/06580	NOVEL COMPOUNDS AND THERAPEUTIC USES THEREOF	2019/10/07
2019/07101	METHODS OF PREVENTING OR TREATING OPHTHALMIC DISEASES	2019/10/28
2019/07651	KRAS G12C INHIBITORS AND METHODS OF USING THE SAME	2019/11/19
2020/00354	NOVEL BRAF INHIBITORS AND USE THEREOF FOR TREATMENT OF CUTANEOUS REACTIONS	2020/01/17
2020/00628	VEHICLE SUSPENSION	2020/01/30
2020/01372	REMOTE LOADING OF SPARINGLY WATER-SOLUBLE DRUGS INTO LIPOSOMES	2020/03/04

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2020/01389	NON-HUMAN ANIMALS EXPRESSING HUMANIZED C1Q COMPLEX	2020/03/04
2020/01586	VARIANT RNAI	2020/03/13
2020/01815	A GAS DETECTION SYSTEM AND METHOD	2020/03/23
2020/02996	AN INSECT TRAP	2020/05/21
2020/03781	IMPROVED ENZYMATIC MODIFICATION OF PHOSPHOLIPIDS IN FOOD	2020/06/22
2020/04499	SYSTEMS AND METHODS FOR GENERATING ELECTRICAL ENERGY	2020/07/21
2020/04730	ANTI-CLAUDIN 18.2 ANTIBODIES AND USES THEREOF	2020/07/30
2020/05052	OPTICAL REACTION WELL FOR ASSAY DEVICE	2020/08/14
2020/05672	HEPATITIS B VACCINES AND USES OF THE SAME	2020/09/11
2020/05817	ROCK BOLTING RIG AND METHOD AT ROCK BOLTING RIG	2020/09/18
2020/05857	OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF MAKING THE SAME	2020/09/22
2020/06026	LIPID-BASED FORMULATIONS FOR THE DELIVERY OF RNA	2020/09/29
2020/06071	ANTIPROLIFERATION COMPOUNDS AND USES THEREOF	2020/09/30
2020/06072	RET INHIBITOR FOR USE IN TREATING CANCER HAVING A RET ALTERATION	2020/09/30
2020/06317	MONOCLONAL ANTIBODY OF NERVE GROWTH FACTOR AND ENCODING GENE AND USE THEREOF	2020/10/12
2020/06369	A RAILWAY WEED CONTROL VEHICLE	2020/10/14
2020/06859	ANTIBODIES SPECIFIC FOR GUCY2C AND USES THEREOF	2020/11/03
2020/07443	METALLIC CAN LID	2020/11/30
2020/07582	METHOD AND APPARATUSES FOR SCREENING	2020/12/04
2021/00371	A SYSTEM OPERABLE TO ENABLE THE ENDORSEMENT OF INDIVIDUALS AND/OR THEIR SKILLS OR SERVICES, AND A METHOD OF ENDORSING ONE INDIVIDUAL AND/OR THEIR SKILLS OR SERVICES	2021/01/15
2021/00679	BENZENE DERIVATIVE	2021/01/29
2021/00755	INTERCONNECTED LENS MATERIALS ARRANGED AS LENS SHEETS FOR IMPROVED CAMOUFLAGE	2021/02/03
2021/02521	A METHOD AND AN APPARATUS FOR ENCODING AND DECODING OF DIGITAL IMAGE/VIDEO MATERIAL	2021/04/16
2021/02914	METHOD AND DEVICE FOR CODING AND DECODING AN IMAGE BY BLOCK CUTTING INTO ZONES	2021/04/30
2021/02916	INFLATABLE DOWN HOLE BAG WITH INFLATION REAGENT RELEASE	2021/04/30
2021/02937	AN ENERGY-DISPERSIVE X-RAY	2021/04/30

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	DIFFRACTION ANALYSER COMPRISING A SUBSTANTIALLY X-RAY TRANSPARENT MEMBER HAVING AN IMPROVED REFLECTION GEOMETRY	
2021/02968	SCAFFOLD NODE	2021/05/03
2021/03000	SWING/WING GATE TURNSTILE	2021/05/04
2021/03870	SMART VALVE ADAPTOR WITH INTEGRATED ELECTRONICS	2021/06/04
2021/03871	A HELIOSTAT SUB-ASSEMBLY	2021/06/04
2021/04282	HOLDER FOR INHALER ARTICLE	2021/06/22
2021/04629	SEAMLESS CAPSULE, AND FILTER AND SMOKING DEVICE INCLUDING SAME	2021/07/02
2021/04909	RESIN INJECTION DOLLY	2021/07/13
2021/05109	SYSTEMS FOR AUTOMATED BLAST DESIGN PLANNING AND METHODS RELATED THERETO	2021/07/20
2021/05173	A CONNECTION DEVICE	2021/07/22
2021/05341	TRAVELING VEHICLE	2021/07/28
2021/05481	A HIGH EFFICIENCY POWER GENERATION SYSTEM AND A METHOD OF OPERATING SAME	2021/08/02
2021/05522	HANDLING AN INPUT/OUTPUT STORE INSTRUCTION	2021/08/03
2021/05700	IMPROVEMENTS IN OR RELATING TO CONVEYORS	2021/08/11
2021/05718	NOVEL COMPOSITION	2021/08/12
2021/05931	AZETIDOBENZODIAZEPINE DIMERS AND CONJUGATES COMPRISING THEM FOR USE IN THE TREATMENT OF CANCER	2021/08/18
2021/06014	SOLID FORMS OF CONDENSED PYRAZINES AS SYK INHIBITORS	2021/08/20
2021/06032	COMMUNICATION INTERFACE OF A SECURE INTERFACE CONTROL	2021/08/20
2021/06161	ENCODING AND DECODING METHOD AND DEVICE, ENCODER SIDE APPARATUS AND DECODER SIDE APPARATUS	2021/08/25
2021/06301	CARGO UNIT	2021/08/30
2021/06318	SECURE EXECUTION GUEST OWNER ENVIRONMENTAL CONTROLS	2021/08/30
2021/06391	MRNA PURIFICATION BY TANGENTIAL FLOW FILTRATION	2021/09/01
2021/06394	ENERGY STORAGE PLANT AND PROCESS	2021/09/01
2021/06477	AQUEOUS RESIN CROSSLINKING AGENT, AQUEOUS RESIN CROSSLINKING AGENT-CONTAINING LIQUID, AND AQUEOUS RESIN COMPOSITION	2021/09/03
2021/06478	CROSSLINKING AGENT FOR AQUEOUS RESIN, LIQUID CONTAINING CROSSLINKING AGENT FOR AQUEOUS RESIN, AND AQUEOUS-RESIN COMPOSITION	2021/09/03
2021/06519	CASPASE INHIBITORS AND METHODS OF USE THEREOF	2021/09/06

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2021/06554	COMPANION DIAGNOSTIC ASSAY FOR GLOBO-H RELATED CANCER THERAPY FIELD	2021/09/07
2021/06674	GAS FERMENTATION FOR THE PRODUCTION OF PROTEIN-BASED BIOPLASTICS	2021/09/09
2021/06769	TREATMENT OF CILIOPATHIES	2021/09/13
2021/06771	TAILINGS DEPOSITION	2021/09/13
2021/06773	SPIRAL SEPARATORS AND PARTS THEREFORE	2021/09/13
2021/06805	MONITORING DEVICE, DISPLAY DEVICE, MONITORING METHOD AND MONITORING PROGRAM	2021/09/14
2021/06906	MODULE-BASED ENERGY SYSTEMS CAPABLE OF CASCADED AND INTERCONNECTED CONFIGURATIONS, AND METHODS RELATED THERETO	2021/09/17
2021/06976	METHOD FOR ENCODING AND METHOD FOR DECODING A LUT AND CORRESPONDING DEVICES	2021/09/20
2021/07045	CONE CRUSHER	2021/09/21
2021/07199	IMAGE SENSOR STRUCTURE	2021/09/27
2021/07368	2-(PHENYLOXY OR PHENYLTHIO)PYRIMIDINE DERIVATIVES AS HERBICIDES	2021/09/30
2021/07394	RECOVERY OF PGMs AND CHROMITE FROM MIXED PGM/CR ORES	2021/09/30
2021/07594	SYSTEMS AND METHODS FOR PRODUCING ACTINIUM-225	2021/10/08
2021/08103	PERSONAL CLEANSING COMPOSITIONS	2021/10/21
2021/09369	SYSTEM AND METHOD TO IMPROVE BOILER AND STEAM TURBINE START-UP TIMES	2021/11/22
2021/10213	IMPROVEMENTS IN OR RELATING TO NICKING ENZYMES	2021/12/09
2021/10467	DRILL HEAD FOR CREATING A BORE HOLE IN THE GROUND	2021/12/15
2022/00909	SYSTEM AND PROCESS FOR DETERMINING A METRIC AND PREDICTIVE ANALYSIS FOR COMPLIANCE OF CANNABIS RELATED PRODUCTS	2022/01/19
2022/00927	MOTION VECTOR REFINEMENT FOR MULTI-REFERENCE PREDICTION	2022/01/20
2022/01024	HYDRAULIC SYSTEM, MINING MACHINE AND METHOD OF CONTROLLING HYDRAULIC ACTUATOR	2022/01/21
2022/01084	CYCLONIC SEPARATOR	2022/01/24
2022/01221	CYCLOPENTANE COMPOUNDS	2022/01/26
2022/01232	CROSS LINK INTERFERENCE MEASUREMENT CONDITIONS REPORTING	2022/01/26
2022/01371	SYSTEMS AND METHODS FOR HIGH-MAGNIFICATION HIGH-RESOLUTION PHOTOGRAPHY USING A SMALL IMAGING SYSTEM	2022/01/28
2022/01446	METHODS OF TREATING MULTIFOCAL	2022/02/01

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	CANCER	
2022/01543	CROSS-SECTIONAL PROFILE FOR A FLAT KEY OR THE KEY CHANNEL OF A CYLINDER LOCK	2022/02/03
2022/01658	TEREPHTHALIC ACID ESTERS FORMATION	2022/02/08
2022/01711	THREADED IDLER BLOCK CAP	2022/02/09
2022/02039	NUCLEAR THERMAL PLANT WITH LOAD-FOLLOWING POWER GENERATION	2022/02/17
2022/02222	A CONTAINER	2022/02/22
2022/02296	2,6-DIOXO-3,6-DIHYDROPYRIMIDINE COMPOUND, AGRICULTURAL AND HORTICULTURAL AND HORTICULTURAL BACTERICIDE, NEMATOCIDE, AND MEDICAL AND VETERINARY ANTIFUNGAL AGENT	2022/02/23
2022/02577	IMPROVEMENTS IN OR RELATING TO CONVEYORS	2022/03/02
2022/03108	INDOLE CARBOXAMIDE COMPOUNDS AND USE THEREOF FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS	2022/03/15
2022/03400	HYDROPHOBIC INTERACTION CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY FOR ANTIBODY ANALYSIS	2022/03/23
2022/03550	CUP COVER AND CUP THEREOF	2022/03/28
2022/03622	ANTI-CD47 MONOCLONAL ANTIBODY AND USE THEREOF	2022/03/29
2022/03624	DEVICE FOR DISTRIBUTING MINERALIZED WATER AND ASSOCIATED METHOD	2022/03/29
2022/03625	DRONE	2022/03/29
2022/03633	SYSTEM AND APPARATUS FOR PROVIDING NETWORK ASSISTANCE FOR TRAFFIC HANDLING IN DOWNLINK STREAMING	2022/03/29
2022/03673	SALT OF BENZOTHIOPYRONE COMPOUND, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2022/03/30
2022/03731	CHIMERIC FILOVIRUS VACCINES	2022/03/31
2022/03775	SUBSTITUTED CYANOPYRROLIDINES WITH ACTIVITY AS USP30 INHIBITORS	2022/04/01
2022/03866	METHODS FOR PREPARING MUTANT PLANTS	2022/04/05
2022/03869	RESERVOIR-REGULATING DIGITAL LOAD CONTROL	2022/04/05
2022/03870	VIRTUAL ENVIRONMENT TYPE VALIDATION FOR POLICY ENFORCEMENT	2022/04/05
2022/03872	INHIBITING HUMAN INTEGRIN ALPHA4BETA7	2022/04/05
2022/03983	ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS	2022/04/07
2022/04070	FUEL CELL SYSTEM	2022/04/11
2022/04176	LAYERED CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS	2022/04/13
2022/04251	COMPOUNDS AND COMPOSITIONS FOR THE	2022/04/14

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	TREATMENT OF PARASITIC DISEASES	
2022/04282	A STABLE PARENTERAL DOSAGE FORM OF CETRORELIX ACETATE	2022/04/14
2022/04449	INCREASED CALCULATION EFFICIENCY FOR STRUCTURED ILLUMINATION MICROSCOPY	2022/04/20
2022/04524	PROCESS FOR OBTAINING A PURIFIED DIESTER EFFLUENT BY DEPOLYMERIZATION OF A POLYESTER COMPRISING OPAQUE POLYETHYLENE TEREPHTHALATE	2022/04/22
2022/04616	ROCKER SUPPORT INSERT	2022/04/25
2022/04618	HAUL TRUCK DUMP BODY FRONT WALL SUPPORT	2022/04/25
2022/04621	SPACE FRAME FRONT UPPER FRAME CONNECTION	2022/04/25
2022/04794	METHOD FOR DIAGNOSING TUBERCULOSIS IN URINE SAMPLES	2022/04/29
2022/04806	SYSTEM AND APPARATUS FOR THE MONITORING OF LIVESTOCK AND THE LIKE	2022/04/29
2022/04827	CENTER LINK FOR ARTICULATED TRUCK SUSPENSION MOUNTS	2022/04/29
2022/04916	SECURE STORAGE AND RETRIEVAL OF A SENSITIVE DATA VALUE	2022/05/05
2022/04936	A COMPOSITION AND RELATED METHODS OF MANUFACTURE AND USE	2022/05/05
2022/04992	VALVE SYSTEM	2022/05/06
2022/05090	ELECTRONICALLY OPERATED LOCKING SYSTEM FOR EARTH MOVING EQUIPMENT AND METHOD	2022/05/09
2022/05224	FLUID COLLECTION DEVICE	2022/05/11
2022/05231	A MOBILE OFFSHORE DRILLING UNIT AND METHOD OF CONTROLLING A PROCESS AUTOMATION SYSTEM	2022/05/11
2022/05282	TRACK ROLLER WITH REDUCED STIFFNESS	2022/05/12
2022/05283	RETAINER SLEEVE DESIGN WITH EXTERNAL RIBS OR WITH AN ANTI-ROTATIONAL FEATURE	2022/05/12
2022/05290	MODULAR AUTOMATED PHYSICAL HEALTH TESTING SYSTEMS AND ASSOCIATED DEVICES AND METHODS	2022/05/12
2022/05382	SYSTEMS, APPARATUSES, AND METHODS FOR AUTOMATED CONTROL OF BLASTHOLE DRILL BASED ON PERFORMANCE MONITORING	2022/05/16
2022/05388	REVERSING FLOW APPARATUS	2022/05/16
2022/05485	L-METHIONINE PRODUCING MICROORGANISM TO WHICH PROTEIN ENCODED BY FOREIGN METZ GENE IS INTRODUCED AND METHOD FOR PRODUCING L-METHIONINE USING SAME	2022/05/18
2022/05789	MULTIFUNCTIONAL MULTISPECIFIC MULTIMERIC BIOMOLECULE POLYMER HAVING PROLONGED IN-VIVO DURATION	2022/05/25

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2022/06124	METHOD AND APPARATUS FOR BATCH PRODUCTION OF, AND CONTINUOUS APPLICATION OF, A REFRACTORY COMPOSITION TO A SURFACE	2022/06/01
2022/06436	MACROCYCLIC PANTETHEINE DERIVATIVES AND USES THEREOF	2022/06/09
2022/06547	WATER FILTRATION SYSTEM	2022/06/13
2022/06839	LUNG TESTING DEVICE	2022/06/20
2022/06877	DEVICE FOR TREATING CELLULITIS	2022/06/21
2022/06901	PROCESSES FOR PREPARING ISOPRENE AND MONO-OLEFINS COMPRISING AT LEAST SIX CARBON ATOMS	2022/06/21
2022/06947	WHEEL LOCKING DEVICE	2022/06/22
2022/06990	HIGH MOLECULAR WEIGHT ESTHETIC COMPOSITIONS	2022/06/23
2022/06998	ASSOCIATION OF FAECALIBACTERIUM PRAUSNITZII STRAIN CNCM I-4573 WITH PENTASA [®] ; FOR THE TREATMENT AND PREVENTION OF GASTROINTESTINAL INFLAMMATION	2022/06/23
2022/07045	ULTRASONIC MIST INHALER	2022/06/24
2022/07046	MIST INHALER DEVICES	2022/06/24
2022/07047	A HOOKAH DEVICE	2022/06/24
2022/07213	FENCE PANEL	2022/06/29
2022/07214	SECURING DEVICE FOR FENCE	2022/06/29
2022/07544	METHOD FOR ALTERING ADHESION PROPERTIES OF A SURFACE BY PLASMA COATING	2022/07/07
2022/07602	ULTRA-FINE STARCH OR GRAIN BASED FLOUR COMPOSITION AND RELATED METHODS	2022/07/08
2022/07715	MULTI-SPECIFIC ANTIBODY WITH BINDING SPECIFICITY FOR HUMAN IL-13 AND IL-17	2022/07/12
2022/07801	PROCESS AND REACTION SYSTEM FOR THE PREPARATION OF METHANOL	2022/07/13
2022/07806	CLAMPING DEVICE FOR CABLE CONNECTOR ASSEMBLY	2022/07/13
2022/07847	LANCE FOR USE IN METAL PRODUCTION AND CASTING INSTALLATIONS	2022/07/14
2022/07858	VALVE	2022/07/14
2022/08027	RETENTION SYSTEM FOR A LINE ON A SPOOL	2022/07/19
2022/08030	BOLT RETENTION ASSEMBLY WITH EXTENDED TRAVEL FOR A WORK TOOL	2022/07/19
2022/08032	TRANSFORM-BASED IMAGE CODING METHOD AND DEVICE THEREFOR	2022/07/19
2022/08038	METHOD FOR TOP SEALING A CARDBOARD TRAY LINED WITH A PLASTIC FOIL AND CARDBOARD TRAY THEREFOR	2022/07/19
2022/08083	TRACK SHOE WITH WEAR RESISTANT GROUSER	2022/07/20
2022/08089	ANTIBACTERIAL QUINOLINES	2022/07/20

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2022/08240	HULL STRUCTURE FACILITATING INCREASED SHIP SPEED	2022/07/22
2022/08324	SEPARATION AND VENTING CRYOGENIC LIQUID FROM VAPOR ON A MOBILE MACHINE	2022/07/26
2022/08337	A BISPECIFIC ANTI-PD-L1/VEGF ANTIBODY AND USES THEREOF	2022/07/26
2022/08393	YARROWIA SP. VARIANT AND METHOD FOR PREPARING FAT BY USING SAME	2022/07/27
2022/08400	VEHICLE, SYSTEM AND METHOD FOR RAILWAY TRACK CLEARING	2022/07/27
2022/08409	IMAGE DECODING METHOD AND DEVICE FOR SAME	2022/07/27
2022/08410	USE OF A COMBINATION OF A SACCHARIDE AND GLYCEROL FOR PREBIOTIC BENEFITS	2022/07/27
2022/08411	METHOD FOR PASSIVATING A TINPLATE STRIP AND APPARATUS FOR PRODUCING SAID PASSIVATED TINPLATE STRIP	2022/07/27
2022/08412	METHODS AND COMPOSITIONS FOR THE INHIBITION OF HEPATITIS B AND HEPATITIS D VIRUS INFECTIONS	2022/07/27
2022/08461	PYRIDINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS	2022/07/28
2022/08462	METHOD OF MAKING UNIFORM SPUNBOND FILAMENT NONWOVEN WEBS	2022/07/28
2022/08463	METHOD OF MAKING UNIFORM SPUNBOND FILAMENT NONWOVEN WEBS	2022/07/28
2022/08504	INTRADIALYTIC USE OF SODIUM NITRITE	2022/07/29
2022/08521	BIOPESTICIDE COMPOSITIONS COMPRISING PLANT EXTRACTS AND PHYTOSANITARY USE THEREOF	2022/07/29
2022/08524	3D CONCRETE PRINTING WITH DUCTILE CORDS	2022/07/29
2022/08526	3D CONCRETE PRINTING WITH WELL ANCHORING CORDS	2022/07/29
2022/08541	INHIBITORS OF ECTONUCLEOTIDE PYROPHOSPHATASE/PHOSPHODIESTERASE 1 (ENPP1) AND METHODS OF USE THEREOF	2022/07/29
2022/08590	A METHOD FOR COOLING OF A USER SPACE AND AIR CONDITIONING ARRANGEMENT	2022/08/01
2022/08592	HOLDING DEVICE FOR A NON-RETURN VALVE FLAP AND METHOD FOR POSITIONING SAME	2022/08/01
2022/08594	DEVICE FOR LAYING PASTE PATTERNS IN A TUBE	2022/08/01
2022/08595	EXPANDED DRY PRODUCT FOR IMPROVING THE DENTAL HYGIENE OF A PET	2022/08/01
2022/08596	EXPANDED DRY PRODUCT FOR CALORIC RESTRICTION AND SATIETOGENIC EFFECT, USES AND PROCESS FOR MANUFACTURE THEREOF	2022/08/01
2022/08659	A BALE PROCESSING APPARATUS	2022/08/03

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2022/08680	NOVEL PROMOTER AND USE THEREOF	2022/08/03
2022/08690	MATTRESSES, METHODS OF MANUFACTURE AND COMPONENTS	2022/08/03
2022/08691	SEALS FOR DOCK LEVELLING SYSTEMS, METHODS OF SEALING GAPS IN DOCK LEVELLING SYSTEMS, AND METHODS OF ARRANGING SEALS FOR DOCK LEVELLING SYSTEMS FOR STORAGE OR TRANSPORTATION	2022/08/03
2022/08763	LIQUID PHARMACEUTICAL COMPOSITION COMPRISING ENSIFENTRINE AND GLYCOPYRROLATE	2022/08/04
2022/08765	LOW FOAMING SOLID CLEANING COMPOSITION	2022/08/03
2022/08783	KRAS MUTANT PROTEIN INHIBITORS	2022/08/05
2022/08784	CHARGING SYSTEM FOR SWAPPING STATION OR ENERGY STORAGE STATION	2022/08/05
2022/08817	PROCESS FOR MAKING CERIUM AND ZIRCONIUM CONTAINING COMPOSITIONS USING MESITYLENE AND COMPOSITION MADE BY SAME	2022/08/05
2022/08821	FEED MATERIAL FOR PRODUCING COLORLESS GLASS USING SUBMERGED COMBUSTION MELTING	2022/08/05
2022/08822	GLASS REDOX CONTROL IN SUBMERGED COMBUSTION MELTING	2022/08/05
2022/08861	PROCESS FOR THE SYNTHESIS OF S-BEFLUBUTAMID USING ASYMMETRIC HYDROGENATION	2022/08/08
2022/08864	PREPARATION OF S-BEFLUBUTAMID BY RESOLVING 2-(4-FLUORO-3-(TRIFLUOROMETHYL)PHENOXY)BUTANOIC ACID	2022/08/08
2022/08865	PROCESS FOR THE SYNTHESIS OF S-BEFLUBUTAMID FROM (R)-2-AMINOBUTANOIC ACID	2022/08/08
2022/08939	REDUNDANT STEERING SYSTEM AND MACHINES AND METHODS THEREOF	2022/08/10
2022/08940	SYSTEM AND METHOD FOR AUTOMATED DRILLING ACTIVITY MONITORING	2022/08/10
2022/08964	ULTRA-LIGHT WEIGHT AND HIGH NOISE ABSORBENT FOAM MATERIAL HVAC DUCT FOR VEHICLE	2022/08/11
2022/08986	A BEVERAGE FILTER	2022/08/11
2022/09000	OVERHEAD AUTOMATIC HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) APPARATUS	2022/08/11
2022/09008	PROCESSING OF LIGNOCELLULOSIC BIOMASS	2022/08/11
2022/09124	PAYMENT METHOD, PAYMENT TERMINAL, CLOUD SUBSYSTEM, CLOUD SERVER AND SYSTEM	2022/08/15

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2022/09181	APOAEQUORIN AND CURCUMIN CONTAINING COMPOSITIONS AND METHODS	2022/08/16
2022/09188	ASSEMBLED UNIT HAVING LOCKING MECHANISM	2022/08/16
2022/09246	AMINO ACID SURFACTANTS	2022/08/17
2022/09247	AMINO ACID SURFACTANTS	2022/08/17
2022/09249	AMINO ACID SURFACTANTS	2022/08/17
2022/09394	LOCKING FEATURE FOR A FILTER	2022/08/22
2022/09395	TOP AND BOTTOM LOADED FILTER AND LOCKING MECHANISM	2022/08/22
2022/09440	DEVICE FOR COVERING A SURFACE COMPRISING MEANS FOR LOCKING A COVER IN A GROOVE	2022/08/23
2022/09485	MODIFIED SULFURIC ACID AND USES THEREOF	2022/08/24
2022/09486	MODIFIED ALKYL SULFONIC ACID AND USES THEREOF	2022/08/24
2022/09487	MODIFIED SULFURIC ACID AND USES THEREOF	2022/08/24
2022/09519	ADJUSTING A HIGH PRESSURE FEEDER BASED ON FLUID LEAKAGE	2022/08/25
2022/09521	DI METAL TRANSACTION DEVICES AND PROCESSES FOR THE MANUFACTURE THEREOF	2022/08/25
2022/09524	ROBOTIZED LADLE TRANSPORTATION DEVICE SYSTEM WITH EMBEDDED MANIPULATOR	2022/08/25
2022/09566	SEPARATOR PLATE FOR A FUEL CELL, PRECURSOR THEREFORE AND ITS METHOD OF PRODUCTION	2022/08/26
2022/09632	MOLECULES TARGETING MUTANT RAS PROTEIN	2022/08/29
2022/09674	MOLECULES TARGETING RAS PROTEIN	2022/08/30
2022/09758	A TWO-TERMINAL DEVICE	2022/08/31
2022/09779	INTRANASAL MRNA VACCINES	2022/09/01
2022/09786	FOLDABLE ELECTRONIC DEVICE INCLUDING HINGE ASSEMBLY	2022/09/01
2022/09787	DEVICE FOR THE STORAGE OF THERMAL ENERGY OF SOLAR ORIGIN BASED UPON MULTIPLE REFLECTIONS	2022/09/01
2022/09789	TOWER SECTION AND WIND GENERATING SET	2022/09/01
2022/09791	FOLDABLE INHALER	2022/09/01
2022/09827	SYSTEMS AND METHODS FOR PREDICTING PEST PRESSURE USING GEOSPATIAL FEATURES AND MACHINE LEARNING	2022/09/02
2022/09828	SYSTEMS AND METHODS FOR PEST PRESSURE HEAT MAPS	2022/09/02
2022/09897	METHOD FOR PRODUCING A FOOD PRODUCT	2022/09/05
2022/09929	METHOD FOR PRODUCING LOW-CARBON	2022/09/06

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	FERROMANGANESE	
2022/09930	ARRANGEMENT, DRILL RIG AND METHOD THEREIN FOR DETECTION OF WATER IN MATERIAL FLOW	2022/09/06
2022/09974	SHUTTER ASSEMBLY	2022/09/07
2022/09982	VEHICLE AND MOBILE TERMINAL UTILIZED THEREFOR	2022/09/07
2022/09988	IN VIVO TISSUE ENGINEERING DEVICES, METHODS AND REGENERATIVE AND CELLULAR MEDICINE EMPLOYING SCAFFOLDS MADE OF ABSORBABLE MATERIAL	2022/09/07
2022/10021	TRACK ASSEMBLY BUSHING HAVING A WEAR MEMBER	2022/09/08
2022/10022	HYBRID INSTALLATION APPARATUS AND PROCESSES	2022/09/08
2022/10023	A METHOD FOR THE DIGESTION OF A URANIUM BASED MATERIAL	2022/09/08
2022/10024	PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT COMPRISING FUSION PROTEIN INCLUDING IL-2 PROTEIN AND CD80 PROTEIN AND ANTICANCER DRUG	2022/09/08
2022/10025	DEVICE AND METHOD FOR JOINING MULTI-PART TAMPON APPLICATORS	2022/09/08
2022/10026	ADENO-ASSOCIATED VARIANTS, FORMULATIONS AND METHODS FOR PULMONARY DELIVERY	2022/09/08
2022/10029	PHYTOSANITARY COMPOSITION COMPRISING ULVANS AND SILICON	2022/09/08
2022/10076	COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING A CORONAVIRUS INFECTION	2022/09/09
2022/10078	COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING NON-MALIGNANT RESPIRATORY DISEASE	2022/09/09
2022/10079	COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING INFLAMMATORY DISEASES INCLUDING DIABETES MELLITUS 10 TYPE I AND TYPE II AND THYROID DISEASES	2022/09/09
2022/10080	COMPOSITIONS AND METHODS FOR TREATING SOLID AND SOFT TUMORS AND PROLIFERATIVE DISEASES	2022/09/09
2022/10082	SYSTEMS AND METHODS FOR MOVING OBJECTS ALONG A PREDETERMINED PATH	2022/09/09
2022/10122	CONTROL CIRCUIT OF NPC-TYPE THREE-LEVEL CONVERTER, NPC-TYPE THREE-LEVEL CONVERTER AND WIND POWER GENERATOR SET	2022/09/12
2022/10124	METHOD FOR THE TREATMENT OF A METAL SUBSTRATE FOR THE PREPARATION OF ELECTRODES	2022/09/12

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2022/10127	CODON OPTIMIZED GLA GENES AND USES THEREOF	2022/09/12
2022/10129	DRIP IRRIGATION PIPE AND AN IRRIGATION SPOUT THEREOF	2022/09/12
2022/10157	DETERGENT COMPOSITION	2022/09/13
2022/10159	AEROSOL COMPOSITION FOR SANITIZATION	2022/09/13
2022/10160	HAND DISHWASH DETERGENT COMPOSITION	2022/09/13
2022/10161	LAUNDRY DETERGENT COMPOSITION	2022/09/13
2022/10162	AN AQUEOUS LAUNDRY TREATMENT COMPOSITION	2022/09/13
2022/10163	RECYCLED RESIN COMPOSITION	2022/09/13
2022/10212	COATING AGENT PUMP, COATING INSTALLATION AND ASSOCIATED OPERATING METHOD	2022/09/14
2022/10214	THERAPEUTIC AGENT TARGETING HER2	2022/09/14
2022/10218	MODULAR ELECTRONIC BRAKE SYSTEM	2022/09/14
2022/10250	INERTIAL HYDRODYNAMIC PUMP AND WAVE ENGINE	2022/09/15
2022/10252	TUNNEL CURTAIN	2022/09/15
2022/10295	INERTIAL HYDRODYNAMIC PUMP AND WAVE ENGINE	2022/09/16
2022/10320	A HOMOGENEOUS CHARGE COMPRESSION IGNITION (HCCI-TYPE) COMBUSTION SYSTEM FOR AN ENGINE AND POWERTRAIN USING WET-ALCOHOL AS A FUEL AND INCLUDING HOT ASSIST IGNITION	2022/09/16
2022/10361	RECYCLABLE FLEXIBLE FILMS AND BAGS FOR PACKAGING FLOWABLE MATERIALS	2022/09/19
2022/10409	COMPOSITIONS AND METHODS OF USING THE SAME FOR TREATMENT OF NEURODEGENERATIVE AND MITOCHONDRIAL DISEASE	2022/09/20
2022/10410	CARRIER DEVICE FOR GROUPING AND TRANSPORTING A SET OF BEVERAGE CANS	2022/09/20
2022/10411	A METHOD FOR TREATING A BIOLOGICAL OBJECT	2022/09/20
2022/10461	IMPROVED SPUNBOND SYSTEM AND PROCESS	2022/09/21
2022/10471	POST-TENSIONED CONCRETE SLAB WITH FIBRES	2022/09/21
2022/10473	UPHOLSTERED FURNITURE INCLUDING MOLDED FURNITURE COMPONENTS	2022/09/21
2022/10522	FIBER AND FIBER MANUFACTURING METHOD	2022/09/22
2022/10523	COMPOSITION FOR MAKING BOUILLONS	2022/09/22
2022/10572	TOPICAL COMPOSITIONS DESIGNED TO MAINTAIN AND/OR RESTORE THE INTEGRITY OF THE MUCOSA AND DAMAGED EPIDERMIS	2022/09/23
2022/10574	AN APPARATUS FOR AND A METHOD OF MICROWAVE HEATING OF ROTATABLE ARTICLES, ESPECIALLY GREEN TYRE	2022/09/23

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	BLANKS	
2022/10575	CAP FOR CONTAINER	2022/09/23
2022/10578	LIQUID TREATMENT SYSTEM AND METHOD	2022/09/23
2022/10631	IMAGE DECODING METHOD AND APPARATUS THEREFOR	2022/09/26
2022/10636	USE OF NUCLEOSIDE COMPOUND IN TREATMENT OF CORONAVIRUS INFECTIOUS DISEASES	2022/09/26
2022/10670	METHOD FOR AND APPARATUS FOR DECODING AN AMBISONICS AUDIO SOUNDFIELD REPRESENTATION FOR AUDIO PLAYBACK USING 2D SETUPS	2022/09/27
2022/10736	SURFACTANTS FOR AGRICULTURAL PRODUCTS	2022/09/28
2022/10737	SURFACTANTS FOR CLEANING PRODUCTS	2022/09/28
2022/10738	SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS	2022/09/28
2022/10740	NEEDLE-BASED DEVICE WITH A SAFETY MECHANISM IMPLEMENTED THEREIN	2022/09/28
2022/10741	SURFACTANTS FOR HEALTHCARE PRODUCTS	2022/09/28
2022/10789	MINERAL FIBRE PRODUCT	2022/09/29
2022/10794	LUBE SKID	2022/09/29
2022/10845	SYSTEMS AND METHODS FOR CARBON DIOXIDE CAPTURE	2022/09/30
2022/10949	NOVEL END ALUMINUM PART	2022/10/05
2022/11115	FUZE COMPRISING A SELF-DESTRUCTION DEVICE FOR A GYRATORY PROJECTILE	2022/10/11
2022/11239	REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION	2022/10/13
2022/11646	SCREEN TIGHTENING IN MOBILE MULTI-DECK SCREENING DEVICES	2022/10/25
2022/11824	AUTOMATIC SYSTEM AND METHOD FOR INJECTING A SUBSTANCE INTO AN ANIMAL	2022/10/31
2022/11832	ANTI-GLP1R ANTAGONIST ANTIBODIES AND METHODS OF USE THEREOF	2022/10/31
2022/12075	DAMPING INTEGRATED DEVICE, DAMPER AND WIND TURBINE	2022/11/04
2022/12124	COIL OF ELECTRICAL MACHINERY AND METHOD FOR FORMING THE SAME, STATOR OF ELECTRICAL MACHINERY AND METHOD FOR FORMING THE SAME, AND ELECTRICAL MACHINERY	2022/11/07
2022/12135	COLD ROLLED AND HEAT-TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2022/11/07
2022/12148	CONTAINER MANIPULATION DEVICE AND HOISTING DEVICE	2022/11/07
2022/12378	SAP FLOW GAUGE	2022/11/14
2022/12414	PROCESS TO PREPARE FISCHER-TROPSCH DERIVED MIDDLE DISTILLATES AND BASE OILS	2022/11/14

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2022/12433	ENERGY STORAGE DEVICE, SYSTEM AND METHOD	2022/11/15
2022/12441	REAR LOWER CONTROL ARM FOR MOTOR VEHICLE	2022/11/15
2022/12671	WIRELESS CHARGING ADAPTER, SYSTEM AND METHOD	2022/11/21
2022/12957	METHOD, APPARATUS, DEVICE AND SYSTEM FOR THE GENERATION OF ELECTRICITY	2022/11/29
2022/12961	POLYUREA LUBRICATING GREASES CONTAINING CARBONATES, AND THEIR USE	2022/11/29
2022/13121	PROCESS FOR PRODUCING AN OLIGOMERIZATION CATALYST HAVING A HYDROTHERMAL TREATMENT STEP	2022/12/05
2022/13401	METHOD FOR TREATING KERATIN FIBERS COMPRISING THE APPLICATION OF GUANIDINE CARBONATE, ALKALI AND/OR ALKALINE EARTH METAL HYDROXIDE AND (C6-C16) FATTY ACID TRIGLYCERIDE	2022/12/12
2022/13536	ELECTRONIC POINT OF SALE DEVICE	2022/12/14
2022/13558	PROCESS FOR THE RECOVERY OF AT LEAST ONE FRACTIONAL SUBSTANCE FROM VAPOURS DURING ALCOHOL REDUCTION OF A BEVERAGE, AND FRACTIONAL SUBSTANCE RECOVERY DEVICE	2022/12/14
2023/00267	AUDIO QUANTIZER AND AUDIO DEQUANTIZER AND RELATED METHODS	2023/01/05
2023/00328	AGGREGATION-INDUCED LUMINESCENT COMPOUND, AND SUPRAMOLECULAR POLYMERIZED FLUORESCENT NANOMATERIAL AND PREPARATION METHOD THEREFOR	2023/01/06
2023/00976	PRE-VULCANIZED ANNULAR CROWN OF EXTRA-LARGE TIRE, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/01/23
2023/01784	CRF2 RECEPTOR AGONISTS AND THEIR USE IN THERAPY	2023/02/14
2023/01911	INTRA-FRAME PREDICTION METHOD AND DEVICE, DECODER, AND ENCODER	2023/02/16
2023/03227	CRYSTALLINE FORMS OF A BRUTON'S TYROSINE KINASE INHIBITOR	2023/03/01
2023/03836	STEM APPLICATOR SPRAY DEVICE AND ASSOCIATED METHOD OF SPRAY ANALYSIS	2023/03/24
2023/04215	SYSTEM FOR AUTHENTICATING A USER AT AND REPORTING ABOUT USE OF A CHARGING DEVICE	2023/04/06
2023/04424	METHOD AND SYSTEM OF UNDERGROUND DEPLOYMENT OF MATERIALS AND EQUIPMENT	2023/04/14
2023/04512	USE OF N-MYRISTOYL TRANSFERASE (NMT) INHIBITORS IN THE TREATMENT OF CANCER, AUTOIMMUNE DISORDERS, AND	2023/04/18

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	INFLAMMATORY DISORDERS	
2023/04646	INFORMATION PROCESSING DEVICE AND METHOD, AND PROGRAM	2023/04/21
2023/04764	A METHOD FOR THE PRODUCTION OF HYDROGEN	2023/04/25
2023/04804	COMMUNICATION DEVICE AND COMMUNICATION METHOD	2023/04/26
2023/04809	ELECTRIC VEHICLE CHARGING CONTROL APPARATUS AND METHOD	2023/04/26
2023/04823	METHOD OF DETERMINING HAFNIUM CONTENT IN METALLIC ZIRCONIUM AND ALLOYS BASED THEREON	2023/04/26
2023/04837	BOTTLE BLOW-MOLDING DEVICE ALLOWING COSMETIC BOTTLES TO BE FIXED CONVENIENTLY	2023/04/28
2023/04838	HAND-HELD SQUEEZABLE COSMETIC CONTAINER	2023/04/28
2023/04845	PHARMACEUTICAL COMPOSITION COMPRISING AN ANTIMICROBIAL AGENT AND METHOD FOR THE PREPARATION THEREOF	2023/04/28
2023/04872	ANTI-SCLEROSTIN CONSTRUCTS AND USES THEREOF	2023/04/28
2023/04875	APPARATUS AND METHOD FOR FEEDING AND PREHEATING A METAL CHARGE IN A MELTING FURNACE	2023/04/28
2023/04876	PORT IDENTIFICATION METHOD AND APPARATUS	2023/04/28
2023/04911	CONCRETE SHEAR WALL VERTICAL CONNECTION JOINT AND MANUFACTURING AND INSTALLATION METHOD THEREFOR	2023/05/02
2023/04936	FASTENER BEDS FOR CONVEYOR BELT FASTENER APPLICATORS	2023/05/03
2023/04953	A TAMPER-RESISTANT, LOCKING MECHANISM FOR A DOORED CONTAINER	2023/05/04
2023/04985	ADJUSTABLE DRY ICE CLEANING MACHINE	2023/05/05
2023/05022	SOLVENT SYSTEM FOR CLEANING LOW-TEMPERATURE FIXED-BED REACTOR CATALYST IN SITU	2023/05/05
2023/05033	FORMULATION OF ADHESIVE AND WOUND HEALING DUAL ACTIVE HYDROGEL WITH MOLECULES ISOLATED FROM BIOLOGICAL SOURCES	2023/05/08
2023/05072	CD1a ANTIBODIES AND USES THEREOF	2023/05/08
2023/05098	TOILET UNIT	2023/05/08
2023/05129	RECOMBINANT HVT AND USES THEREOF	2023/05/09
2023/05206	ENHANCED HYDROGEN RECOVERY UTILIZING GAS SEPARATION MEMBRANES INTEGRATED WITH PRESSURE SWING ADSORPTION UNIT AND/OR CRYOGENIC SEPARATION SYSTEM	2023/05/11
2023/05210	CARTRIDGE COMPRISING A PLURALITY OF	2023/05/11

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	ANALYSIS CHAMBERS FOR RECEIVING A BIOLOGICAL LIQUID	
2023/05218	APPARATUS, METHOD AND SYSTEM FOR ADJUSTING VOLTAGE STABILIZATION OUTPUT OF POWER SOURCE	2023/05/11
2023/05228	ENHANCED SKIN PERMEATION OF A NOVEL PEPTIDE VIA STRUCTURAL MODIFICATION, CHEMICAL ENHANCEMENT, AND MICRONEEDLES	2023/05/11
2023/05238	AN ORAL MICROEMULSION-BASED FORMULATION FOR THE DELIVERY OF CABAZITAXEL AND PIPERINE AND USES THEREOF	2023/05/12
2023/05253	RADIOACTIVE COMPLEXES OF ANTI-HER2 ANTIBODY, AND RADIOPHARMACEUTICAL	2023/05/12
2023/05260	METHOD FOR OUTDOOR INSTALLATION OF AN ARRAY OF SOLAR CONVERTERS, AND CARRIAGE USED IN THE METHOD	2023/05/12
2023/05275	A QUANTUM KEY DISTRIBUTION SYSTEM FOR SATELLITE COMMUNICATION	2023/05/15
2023/05309	SYSTEM FOR ELECTRICALLY FEEDING AT LEAST ONE ELECTRICALLY POWERED VEHICLE	2023/05/15
2023/05338	IDENTIFYING 3D OBJECTS	2023/05/16
2023/05340	PESTICIDAL COMPOSITIONS	2023/05/16
2023/05344	NOVEL PYRIMIDIN-2-YL SULFONAMIDE DERIVATIVES	2023/05/16
2023/05362	DREDGE SYSTEM	2023/05/17
2023/05366	A METHOD FOR MANUFACTURING A RECYCLABLE ARTICLE FROM MUNICIPAL SOLID WASTE	2023/05/17
2023/05430	TUNNEL EXCAVATION METHOD FOR UPPER-SOFT AND LOWER-HARD STRATUM	2023/05/18
2023/05469	CONTROLLING ELECTRODE CURRENT DENSITY OF AN ELECTROLYTIC CELL	2023/05/19
2023/05470	REMOVING IMPURITIES FROM AN ELECTROLYTE	2023/05/19
2023/05549	CONTINUOUS ELEMENT DECONTAMINATION AND STERILIZATION SYSTEM	2023/05/23
2023/05622	FREE BASE CRYSTALLINE FORM OF A COMPLEMENT COMPONENT C5A RECEPTOR	2023/05/25
2023/05623	A COMPOSITION AND RELATED METHODS OF MANUFACTURE AND USE	2023/05/25
2023/05625	FITTING HAVING TABBED RETAINER AND OBSERVATION APERTURES	2023/05/25
2023/05665	MODEL FOR PREDICTING RISK OF SMALL CELL TRANSFORMATION IN PATIENT WITH LUNG ADENOCARCINOMA AND ESTABLISHMENT METHOD THEREOF	2023/05/24
2023/05672	PET LITTER REPOSITORY AND METHOD OF USING SAME	2023/05/23
2023/05731	METHOD FOR PREPARING CONTINUOUS	2023/05/29

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	CASTING PROTECTING SLAG FROM ELECTROLYTIC ALUMINUM WASTE SLAG, WASTE WATER AND BLAST FURNACE SLAG	
2023/05732	BOW APPARATUS AND METHOD FOR DETECTING SEEPAGE OF ANTI-SEEPAGE WALL WITH RESISTIVITY	2023/05/29
2023/05780	A FLAVOURED SEALWORT WOLFBERRY DRINK	2023/05/30
2023/05788	A COMBINED DEPRESSANT FOR FLOTATION SEPARATION OF CU-ZN SULFIDE MINERALS AND ITS APPLICATION	2023/05/30
2023/05790	A RETENTION DEVICE AND A METHOD OF USE THEREOF	2023/05/30
2023/05800	METHOD, COMPUTER PROGRAM, COMPUTER SYSTEM AND ASSEMBLY FOR THE NON-DESTRUCTIVE DETERMINATION OF THE JUICE CONTENT OF JUICE FRUITS, AS WELL AS THE USE OF THIS ASSEMBLY FOR THE QUALITY CLASSIFICATION OF JUICE FRUITS	2023/05/30
2023/05831	EMERGENCY RESPONSE PROCESSING METHOD FOR SMART CITY DRAIN FLOODED FIELDS	2023/05/31
2023/05832	CLAMP AND EQUIPMENT FOR MEASURING TOOTH SURFACE ROUGHNESS OF DISC-TYPE SPIRAL BEVEL GEAR	2023/05/31
2023/05871	PREPARATION METHOD OF ORGANIC FERTILIZER AND PREPARATION METHOD OF ORGANIC-INORGANIC BIOCHAR COMPOUND FORMULA FERTILIZER	2023/06/01
2023/05909	LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS	2023/06/02
2023/05927	COMPOUNDS AND SYNTHETIC METHODS FOR THE PREPARATION OF RETINOID X RECEPTOR-SPECIFIC RETINOIDS	2018/11/16
2023/05929	A METHOD OF PREPARING VANADIUM DIOXIDE BATTERY MATERIAL FROM SPENT VANADIUM-TITANIUM BASED SCR CATALYST	2023/06/05
2023/05934	A METHOD FOR INVESTIGATING THE AIR QUALITY PREDICTION AND AGRICULTURAL APPLICATIONS BASED ON ARTIFICIAL NEURAL NETWORK	2023/06/05
2023/05935	A FECAL LEAKAGE PLATE DETECTION EQUIPMENT	2023/06/05
2023/05936	A G-SSR MARKER PRIMER COMBINATION AND ITS APPLICATION IN THE CONSTRUCTION OF FINGERPRINT OF ANCIENT CINNAMOMUM CAMPHORA (L.)	2023/06/05
2023/05954	A FLAT COIL CABLE WITH HIGH TEMPERATURE RESISTANCE, BENDING RESISTANCE AND WEAR RESISTANCE FOR A FREQUENCY CONVERSION DEVICE	2023/06/05

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2023/05962	A NEGATIVE PRESSURE MOUTH OPENER FOR PREVENTING AEROSOL DISPERSAL IN STOMATOLOGY DEPARTMENT	2023/06/05
2023/05963	A MENTAL HEALTH TEST DEVICE AND A TEST METHOD THEREOF	2023/06/05
2023/05964	A SPECIAL CLEANING AND DISINFECTING MACHINE FOR DENTAL INSTRUMENTS	2023/06/05
2023/05985	A METHOD OF PREPARING NUTRITIOUS CHRYSALIS FERMENTED CEREAL POWDER	2023/06/06
2023/05986	METHOD FOR IN VITRO TISSUE CULTURE, PROPAGATION AND PRESERVATION OF HUPERZIA SERRATE (THUNB) TREV.	2023/06/06
2023/05987	MEDICINAL WINE FOR RELAXING TENDONS, INVIGORATING BLOOD CIRCULATION, DISPERSING SWELLING AND RELIEVING PAIN	2023/06/06
2023/05992	A GRAFTING METHOD FOR HETERO-POLLINATED MACADAMIA NUT VARIETIES WITH RAPID CROWN FORMATION RESULTS	2023/06/06
2023/06029	SHREDDING ARRANGEMENT	2023/06/07
2023/06031	APPLICATION OF SANGUINARINE HYDROCHLORIDE IN PREPARING DRUGS FOR INHIBITING STAPHYLOCOCCUS AUREUS INFECTION	2023/06/07
2023/06032	PREPARATION METHOD AND APPLICATION OF LIQUORICE EXTRACT	2023/06/07
2023/06034	PREPARATION METHOD AND APPLICATION OF FOLIUM PERILLAE ULTRAFINE POWDER	2023/06/07
2023/06036	A HEIGHT-ADJUSTABLE LEVELING MACHINE FOR AGRICULTURAL PLANTING	2023/06/07
2023/06037	A POWER DISTRIBUTION CONTROL DEVICE AND A POWER ENERGY SUPPLY SYSTEM	2023/06/07
2023/06038	A WIND POWER TOWER CYLINDER AND A CLEAN ENERGY POWER GENERATION DEVICE	2023/06/07
2023/06061	PE LINE PROTECTION SYSTEM FOR POWER UTILIZATION AND CHARGING APPARATUS, AND POWER UTILIZATION AND CHARGING APPARATUS	2023/06/07
2023/06074	A PEROVSKITE SOLAR CELLS BASED ON BARIUM TITANATE AND ITS PREPARATION METHOD	2023/06/08
2023/06075	PEELING DEVICE OF LAURACEAE FRUITS	2023/06/08
2023/06089	FOOT-AND-MOUTH DISEASE VIRUS POLYPEPTIDE INHIBITOR AND USE THEREOF	2023/06/08
2023/06121	A NONLINEAR DYNAMIC CONTROLLER DESIGN METHOD FOR MANIPULATOR SYSTEM TRAJECTORY TRACKING	2023/06/09
2023/06122	A GROUNDING DEVICE FOR POWER SUPPLY AND DISTRIBUTION TOWER	2023/06/09
2023/06123	A KIND OF SILICATE COPPER OXIDE	2023/06/09

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	CHEMICAL DEPOSITION-HYDROPHOBIC SURFACE MODIFIED FLOTATION METHOD	
2023/06169	A METHOD FOR MEASURING THE QUALITY OF SPEECH DATA FOR DIVERSE DATA CONDITIONS	2023/06/12
2023/06170	A TYPE OF AUTOMATIC MATERIAL SUPPLEMENT SYSTEM	2023/06/12
2023/06175	A FARMLAND IRRIGATION DEVICE AND A THROTTLING IRRIGATION SYSTEM	2023/06/12
2023/06204	HIGH-YIELD CULTIVATION METHOD OF HEMEROCALLIS CITRINA BARONI	2023/06/13
2023/06205	METHOD FOR REDUCING PHOSPHORUS LEACHING IN GREENHOUSE VEGETABLE PRODUCTION SYSTEM BY INPUTTING ORGANIC MATERIALS	2023/06/13
2023/06206	FERTILIZER FOR INCREASING YIELD OF HEMEROCALLIS CITRINA BARONI AND PREPARATION METHOD THEREOF	2023/06/13
2023/06210	METHOD FOR FEEDING FREE-RANGE LOCAL CHICKENS WITHOUT ANTIBIOTICS	2023/06/13
2023/06235	EUCOMMIA ULMOIDES OIL SOAP AND PREPARATION METHOD THEREOF	2023/06/14
2023/06236	MULTIFUNCTIONAL POLICE SHIELD	2023/06/14
2023/06239	SNUBBER FOR EXCAVATOR BUCKET DOOR	2023/06/14
2023/06241	ARTIFICIAL BREEDING METHOD FOR CHELONUS FORMOSANUS SONAN	2023/06/14
2023/06281	WATER-SOIL CONSERVATION TILLAGE METHOD FOR PREVENTING AND CONTROLLING SOIL EROSION OF GENTLE SLOPE FARMLAND	2023/06/15
2023/06283	UNIVERSITY BOOK MANAGEMENT SYSTEM BASED ON DISTRIBUTED WEB CRAWLER	2023/06/15
2023/06286	ROCK DRILL SUPPORT	2023/06/15
2023/06315	MONGOLIAN FLAVORED YOGURT AND PREPARATION METHOD THEREFOR	2023/06/19
2023/06316	A REFINING AGENT MIXING TANK FOR TEXTILES	2023/06/19
2023/06317	A PORTABLE KIT FOR FOOD TESTING	2023/06/19
2023/06318	METHOD FOR MEASURING MORPHOLOGY AND DENSITY OF PLANT ROOT HAIR	2023/06/19
2023/06319	METHOD FOR IMPROVING CULTIVATION EFFICIENCY OF CITRUS HYBRID SEEDLINGS IN GROWTH STAGE	2023/06/19
2023/06320	LIFTABLE MUSIC READING BOARD	2023/06/19
2023/06321	ANTI-LOOSENING REINFORCEMENT STRUCTURE OF PREFABRICATED EXTERNAL WALLBOARD	2023/06/19
2023/06322	A FERTILIZATION DEVICE FOR AGRICULTURAL PLANTING AND A FERTILIZATION METHOD	2023/06/19
2023/06323	SYSTEM AND METHOD FOR COLLECTING AND ANALYSING	2023/06/19

Application Number	Patent Title	Filing Date
	ELECTROENCEPHALOGRAM (EEG) SPECTRALS FOR OM MANTRA MEDITATION AND APPLICATION THEREOF	
2023/06324	METHOD AND DEVICE FOR STRENGTHENING LOAD TRANSFER OF CORNER JOINT OF OLD PAVEMENT SLAB SUITABLE FOR CEMENT PAVEMENT ADDITIONALLY PAVED WITH ASPHALT OVERLAY	2023/06/19
2023/06325	APPARATUS FOR SIMULATING SOLUTE EXCHANGE BETWEEN SOIL MACROPORE AND MATRIX DOMAINS	2023/06/19
2023/06326	AN INTELLIGENT MONITORING DEVICE FOR THE WARSHIP ON THE SEA	2023/06/19
2023/06327	A GAS TIGHTNESS TESTING DEVICE FOR MOTOR FLANGE END COVERS	2023/06/19
2023/06328	A WIRING HARNESS CONNECTOR FOR AUTOMOBILES	2023/06/19
2023/06330	A PIPELINE WALKING ROBOT	2023/06/19
2023/06331	SAND COLLECTING DEVICE FOR MONITORING SOIL WIND EROSION AND DESERTIFICATION	2023/06/19
2023/06333	BRANCH OPTIMIZATION METHOD AND SYSTEM FOR BIG DATA ETL MODEL EXECUTION	2023/06/19
2023/06334	METHOD FOR BALANCED ALLOCATION OF SCIENTIFIC RESEARCH RESOURCES	2023/06/19
2023/06335	RAINWATER COLLECTION DEVICE FOR MOUNTAIN BUILDING SLOPE	2023/06/19
2023/06337	LOCKING STRUCTURE FOR ROTATING SHAFT OF PHOTOGRAPHY AND VIDEOGRAPHY GIMBAL	2023/06/19
2023/06338	AN ENERGY-SAVING VENTILATION DEVICE FOR A CONSTRUCTION SITE	2023/06/19
2023/06341	BIOLOGICAL PRESERVATION SOLUTION FOR STINKY MANDARIN FISH AND METHOD FOR PRODUCING LOW-SALT STINKY MANDARIN FISH	2023/06/19
2023/06342	ASSISTED BREATHING APPARATUS AND METHOD	2023/06/19
2023/06349	ROSELLE DEGRADABLE FRESH-KEEPING COMPOSITE FILM, PREPARATION PROCESS AND ITS APPLICATION	2023/06/19
2023/06350	METHOD FOR SCREENING PEANUT VARIETY WITH HIGH NITROGEN ABSORPTION EFFICIENCY AND CULTURE OBSERVATION APPARATUS THEREFOR	2023/06/19
2023/06359	IDENTITY-BASED RSA MULTIPLE BLIND-SIGNING METHOD AND DEVICE	2023/06/19
2023/06375	TECHNIQUE FOR EFFICIENT CONSTRUCTION OF CHIMERIC GONADAL CHICKEN EMBRYOS BY EMBRYO TRANSFER	2023/06/20

Application Number	Patent Title	Filing Date
2023/06376	TEA PICKING ASSEMBLY AND TEA PICKER	2023/06/20
2023/06377	CONTINUOUS PRESSURE RELIEF SYSTEM AND METHOD FOR THE INSIDE OF SURROUNDING ROCK OF CONTINUOUS LARGE DEFORMATION ROADWAYS	2023/06/20
2023/06378	LOCAL BUILT-IN SURROUNDING ROCK SELF-LOCKING TRAY AND ITS USE METHOD	2023/06/20
2023/06383	EXPERIMENTAL DEVICE FOR SIMULATING FAULT-CROSSING TUNNEL	2023/06/20
2023/06406	FEED BARRIER	2023/06/20
2023/06413	BEARING CAPACITY DETECTION DEVICE CAPABLE OF ALIGNING CENTROID OF CONCRETE PILE FOUNDATION	2023/06/21
2023/06415	PRETREATMENT METHOD FOR DETECTING NIGERICIN IN CHICKEN	2023/06/21
2023/06420	CLINICAL DIAGNOSIS SYSTEM OF NEUROSYPHILIS BASED ON MACHINE LEARNING FOR NON-DIAGNOSTIC PURPOSES	2023/06/21
2023/06421	COMBINATION EQUIPMENT FOR CONTAMINATED SOIL REMEDIATION	2023/06/21
2023/06422	A METHOD FOR MANUFACTURING EDIBLE WRAPPERS FOR PROVIDING SUSTAINABLE FOOD PACKAGING SOLUTION	2023/06/21
2023/06423	A NEW TYPE OF LANDSLIDE MONITOR	2023/06/21
2023/06432	SOIL DISINFECTION DEVICE AND SOIL DISINFECTION SYSTEM	2023/06/21
2023/06434	COLD COMPRESS DEVICE FOR ORTHOPEDIC TRAUMA	2023/06/21
2023/06435	MANOMETRIC FLUID RELEASE INJECTION DEVICE FOR CEREBROSPINAL FLUID REPLACEMENT	2023/06/21
2023/06436	EFFICIENTLY SEALED HIGH-PRESSURE IV-TYPE CYLINDER SEALING STRUCTURE AND PREPARATION PROCESS THEREOF	2023/06/21
2023/06463	MAGNETIC SOLID STRONG BASE CATALYST BASED ON POROUS CARBON SHELL LAYER, PREPARATION THEREFOR AND USE THEREOF	2023/06/22
2023/06464	A BUILDING ENERGY-SAVING WALL	2023/06/22
2023/06465	PREPARATION METHOD FOR TIPIRACIL HYDROCHLORIDE	2023/06/22
2023/06466	A METHOD FOR INTELLIGENT ASSISTED INTERPRETATION OF THYROID CAPSULE INVASION	2023/06/22
2023/06469	BANANA BUNCH TRANSPORTER	2023/06/22
2023/06470	A SYSTEM FOR CONVERTING THE AGRICULTURAL WASTES INTO BIOGAS	2023/06/22
2023/06471	SEMI-AUTOMATED COCONUT HUSK PEELER MACHINE	2023/06/22
2023/06472	PORTABLE LIQUID FILLING MACHINE	2023/06/22
2023/06473	A CHEMICAL MIXING MACHINE FOR	2023/06/22

Application Number	Patent Title	Filing Date
	PREVENTING THE FIRE ACCIDENTS IN CRACKER INDUSTRY	
2023/06474	SYSTEM FOR GENERATING CARBON MONOXIDE GAS FROM SANITARY NAPKINS	2023/06/22
2023/06475	AN EXTERNAL DRIVE SYSTEM FOR TWO WHEELER VEHICLE	2023/06/22
2023/06476	VIRTUAL REALITY BASED DRONE DRIVEN PAINTING AND INSPECTION SYSTEM	2023/06/22
2023/06477	SYSTEM FOR CHILD MONITORING AND METHOD THEREOF	2023/06/22
2023/06478	NOVEL FILTER DESIGN FOR USE IN COFFEE MACHINES AND FRYING OIL FILTRATION	2023/06/22
2023/06502	SPRAY GUN WITH ADJUSTABLE ATOMIZER AND REMOVABLE NOZZLE BODY	2023/06/23
2023/06506	WATER MANAGEMENT SYSTEM	2023/06/23
2023/06544	FEED ADDITIVE FOR POULTRY AND APPLICATION THEREOF	2023/06/26
2023/06545	METHOD FOR EXTRACTING SUPEROXIDE DISMUTASE FROM PLANTS	2023/06/26
2023/06546	ECOLOGICAL RESTORATION UNIT, RESTORATION SYSTEM AND CONSTRUCTION METHOD FOR HIGH-STEEP ROCK SLOPES	2023/06/26
2023/06547	LOW-TEMPERATURE LIPASE AND PRODUCTION METHOD THEREOF	2023/06/26
2023/06548	A BLIND DEMODULATION METHOD OF SHORT-TIME BURST FM-MFSK COMPOSITE MODULATION SIGNAL BASED ON STFT	2023/06/26
2023/06549	MYCORRHIZAE-BASED BIO-FERTILISERS	2023/06/26
2023/06550	TUMOR-TARGETED NANOMICELLE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF AS DRUG CARRIER	2023/06/26
2023/06551	IMAGE PROCESSING METHOD FOR PANORAMIC VIDEO	2023/06/26
2023/06552	INDUSTRIAL FLUE GAS DENITRIFICATION DEVICE BASED ON PNEUMATIC CONVEYING	2023/06/26
2023/06553	METHOD AND DEVICE FOR MANUFACTURING FLAME-RETARDANT AND ANTIBACTERIAL TEXTILES	2023/06/26
2023/06554	TRANSMISSION DEVICE OF CRUCIBLE FOR CRYSTAL GROWTH	2023/06/26
2023/06567	PSEUDOMONAS PALMENSIS BBB001 STIMULATOR OF PLANT ADAPTIVE METABOLISM AGAINST ABIOTIC STRESS AND ENHANCER OF MINERAL NUTRITION	2023/06/26
2023/06578	INTRAVENOUS INFUSION SET AND ACCESSORY THEREFOR	2023/06/26
2023/06584	LIGHTWEIGHT HIGH-STRENGTH GYPSUM-BASED SPRAYING MORTAR AND PREPARATION METHOD THEREOF	2023/06/27
2023/06585	METHOD FOR REGULATING THE BIOFILM FORMATION ABILITY OF BACILLUS SUBTILIS	2023/06/27

Application Number	Patent Title	Filing Date
2023/06587	IRRIGATION METHOD FOR PREVENTING WATER AND SOIL LOSS OF RANKER OF NEWLY CULTIVATED STEEP SLOPE	2023/06/27
2023/06588	NURSING DEVICE CONVENIENT FOR BED AND CHAIR CONVERSION	2023/06/27
2023/06589	PLGA NANOPARTICLE LOADED WITH MELITTIN AND ASTAXANTHIN SIMULTANEOUSLY AND APPLICATION THEREOF	2023/06/27
2023/06591	RARE EARTH OXIDE STANDARD SAMPLE AND PREPARATION METHOD THEREOF	2023/06/26
2023/06592	METHOD FOR PRODUCING TARGET PRODUCT FROM GLYCOLIC ACID UNDER ACTION OF ENZYME	2023/06/27
2023/06594	OCTAHEDRAL RETICULATED STEREO MODULE FOR THE CONSTRUCTION OF BUILDINGS	2023/06/27
2023/06626	COMPLEX TYPE ADDITIVE ELECTROLYTE FOR AQUEOUS ZINC ION BATTERY AND ITS PREPARATION METHOD	2023/06/28
2023/06627	AUTOMATIC MONITORING SYSTEM AND METHOD FOR INCLINOMETRY AND SEEPAGE MEASUREMENT OF RETAINING STRUCTURE OF FOUNDATION PIT ENGINEERING	2023/06/28
2023/06628	MOLECULAR MARKER RELATED TO PORK QUALITY TRAITS AND APPLICATION	2023/06/28
2023/06629	SUPPORTING METHOD FOR ENTRANCE OF SHALLOW-BURIED UNDERGROUND TUNNEL OF URBAN SUBWAY	2023/06/28
2023/06630	PREPARATION METHOD AND APPLICATION OF NOVEL ARTEMISININ DERIVATIVES AND LIPOSOMES	2023/06/28
2023/06631	SPECIAL-SHAPED PART CLAMPING DEVICE	2023/06/28
2023/06632	A CONCENTRIC TUBE HEAT PIPE DEVICE WITH SEMI HOLLOW CYLINDRICAL MACRO INSERT	2023/06/28
2023/06633	AN EFFICIENT IOT-BASED PREDICTION SYSTEM TO PREDICT THE SUITABILITY OF WATER USAGE AND THE METHOD THEREOF	2023/06/28
2023/06634	PREPARATION METHOD FOR TRIFLURIDINE	2023/06/28
2023/06635	AN ENERGY-SAVING LIGHTING DEVICE FOR A CONSTRUCTION SITE	2023/06/28
2023/06636	HIGH-TEMPERATURE DUST REMOVAL AND DENITRATION COLLABORATIVE DESULFURIZATION SYSTEM FOR SPODUMENE SMELTING FLUE GAS	2023/06/28
2023/06637	A SYSTEM AND METHOD FOR ANOMALY DETECTION BASED ON DIFFERENTIAL OF SENTIMENT SCORE	2023/06/28
2023/06638	SYSTEMATIC DETECTION METHOD FOR DIARRHETIC SHELLFISH POISONING TOXIN	2023/06/28

Application Number	Patent Title	Filing Date
	AND ESTERIFIED TOXIN THEREOF	
2023/06642	A NANO SILVER PARTICLE PREPARATION DEVICE AND A PREPARATION METHOD THEREOF	2023/06/28
2023/06644	APPLICATION OF CHINESE LIQUOR IN THE PREPARATION OF MEDICINES FOR IMPROVING INTESTINAL BARRIER FUNCTIONS AND GUT MICROBIOTA	2023/06/28
2023/06649	REAL-TIME MONITORING SYSTEM AND MODELING METHOD FOR THE SHAPE OF GOAF IN MINES	2023/06/28
2023/06668	CONSTRUCTION METHOD FOR LARGE-SPAN THIN-WALL CONCRETE SOUND BARRIER POURING TROLLEY	2023/06/28
2023/06670	FRESH CORN HARVESTER	2023/06/29
2023/06671	METHOD FOR PROSPECTING AND EXPLORING LARGE AND SUPER-LARGE GOLD-URANIUM-TUNGSTEN-TIN-MOLYBDENUM-BISMUTH -COPPER-LEAD-ZINC-LITHIUM-RUBIDIUM-CESIUM-NIOBIUM-TANTALUM MINERAL DEPOSITS	2023/06/29
2023/06672	THREE-DIMENSIONAL SHELF-TYPE CULTIVATION METHOD OF STROPHARIA RUGOSOANNULATA	2023/06/29
2023/06674	AUTHENTICATION AND AUTHORIZATION METHOD FOR IOT DEVICE BASED ON CELLULAR DOUBLE-CHAIN	2023/06/29
2023/06675	STORE CUSTOMER NUMBER, AGE AND GENDER STATISTIC DEVICE	2023/06/29
2023/06676	DEVICE FOR COUNTING NUMBER OF DINERS AND TIME OF DINING IN RESTAURANT	2023/06/29
2023/06677	REMOTE CHECKING METHOD AND SYSTEM FOR SMART METER	2023/06/29
2023/06686	ANTI-GARP/TGF β ANTIBODIES AND METHODS OF USE	2023/06/29
2023/06712	METHOD FOR DIMENSIONALITY REDUCTION AND MULTI-RESOLUTION REPRESENTATION OF TIME SERIES DATA BASED ON WEIGHT	2023/06/30
2023/06713	DEVICE AND METHOD FOR MEASURING VISCOSITY COEFFICIENT OF TEMPERATURE CHANGEABLE LIQUID BY USING AIR CUSHION GUIDE RAIL BALL LIFTING METHOD	2023/06/30
2023/06714	A NICKEL SLAG CEMENT-BASED GROUTING MATERIAL FOR PREFABRICATED BUILDINGS AND ITS PREPARATION METHOD	2023/06/30
2023/06716	A COMPOSITE ANTIOXIDANT AND ITS PREPARATION METHOD, THERMAL-OXIDATIVE AGING RESISTANT RUBBER MATERIAL	2023/06/30
2023/06722	PARAFFIN SECTIONING METHOD FOR	2023/06/30

Application Number	Patent Title	Filing Date
	HETEROGENEOUS PLANT TISSUE	
2023/06723	A METHOD FOR THE TREATMENT OF PAIN AND A MEDICINAL PRODUCT FOR ADMINISTRATION DURING PAIN	2023/06/30
2023/06724	DEVELOPMENT PROCESS OF FREEZE-DRIED DICTYOPHORA INDUSIATA BAMBOO BIRD'S NEST. PRODUCTS	2023/06/30
2023/06725	PCB ELEMENT WELDING APPARATUS	2023/06/30
2023/06726	CLEANING APPARATUS AND CLEANING METHOD FOR PCB BOARD	2023/06/30
2023/06727	FIXING APPARATUS CONVENIENT FOR PCB BOARD DETECTION	2023/06/30
2023/06728	PCB BOARD WASTEWATER RECOVERY SYSTEM	2023/06/30
2023/06738	SUPPORTING PLATE DEVICE FOR RUBBER TRACK VULCANIZATION PROCESS AND USE METHOD THEREOF	2023/06/30
2023/06775	METHOD OF PREPARING COAL WATER SLURRY BY UPGRADING, MODIFYING, AND MIXING COAL GASIFICATION FINE SLAG	2023/07/03
2023/06779	A METHOD FOR NONDESTRUCTIVE AND RAPID DETECTION OF SOLUBLE PROTEINS IN PLANT LEAVES	2023/07/03
2023/06801	IMMUNOTHERAPY METHODS FOR PATIENTS WHOSE TUMORS CARRY A HIGH PASSENGER GENE MUTATION BURDEN	2023/07/04
2023/06860	PREPARATION METHOD FOR POROUS CARBON MATERIAL	2023/07/06
2023/06886	METHOD AND SYSTEM FOR ANALYZING AGRICULTURAL REMOTE SENSING IMAGES	2023/07/07
2023/06887	WATER QUALITY MONITORING DEVICE BASED ON AGRICULTURAL REMOTE SENSING POSITIONING	2023/07/07
2023/07725	EFFICIENT COMPREHENSIVE INSPECTION SYSTEM FOR AUTOMOBILE	2023/08/04
2023/07819	SYSTEMS AND METHODS FOR POWER PRODUCTION WITH INTEGRATED PRODUCTION OF HYDROGEN	2023/08/08
2023/08363	PREPARATION METHOD FOR ACTIVATED KAOLINITE	2023/08/30
2023/08492	HYDRAULIC SELF-ADAPTIVE ELECTROCHEMICAL SEMI-FLEXIBLE REACTION DEVICE	2023/09/04
2023/08636	PROTECTION METHOD FOR OVERTEMPERATURE OF PERMANENT MAGNET ELECTRIC MOTOR IN ALL-ELECTRIC VEHICLE	2023/09/08
2023/08637	AN OVERHEATING CIRCUIT PROTECTION BREAKER DEVICE FOR ELECTRICAL EQUIPMENT	2023/09/08
2023/09475	CONSTITUTION MULTI-LABEL CLASSIFICATION METHOD, DEVICE AND	2023/10/11

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	MEDIUM	
2023/09476	IMAGE SEGMENTATION METHOD AND SYSTEM BASED ON MULTI-SCALE DETAIL ENHANCEMENT, DEVICE AND MEDIUM	2023/10/11
2023/09490	INHIBITOR FOR SORTING MOLYBDENUM-BISMUTH ORES AND APPLICATION THEREOF	2023/10/11
2023/09997	A COMBINED RIGID AND FLEXIBLE ENDOSCOPE WITH FLUSHING AND SUCTION FUNCTIONS	2023/10/26
2023/10184	CRYSTALLINE FORMS OF A PHARMACEUTICAL COMPOUND	2023/10/30
2023/10529	NOVEL METHOD FOR IMPROVING THE RESISTANCE OF SHEEP AT YOUNG AGE	2023/11/13
2023/11448	METHOD FOR PREPARING MULLITE POROUS CERAMICS USING LITHIUM SLAGS AND MULLITE POROUS CERAMICS AND APPLICATION THEREOF	2023/12/13
2023/11572	MINERAL POWDER PELLET DRYING DEVICE	2023/12/18
2023/11584	HIGH-TOUGHNESS ULTRAHIGH-STRENGTH STEEL AND MANUFACTURING METHOD THEREFOR	2023/12/18

DESIGNS

Advertisement List for January 2024

Number of Advertised Designs: 99

Application Number	Design Articles	Filing Date
A2022/00175	SAFETY GOGGLES	2022/02/18
A2022/00803	FOOD PACKAGING CONTAINER	2022/07/12
A2022/00805	FOOD PACKAGING CONTAINER	2022/07/12
A2022/01351	Excavator Tooth	2022/10/27
A2022/01352	Excavator Tooth	2022/10/27
A2022/01353	Excavator Tooth	2022/10/27
A2022/01354	Excavator Tooth	2022/10/27
A2022/01355	Excavator Tooth	2022/10/27
A2022/01356	Excavator Tooth	2022/10/27
A2022/01357	Excavator Tooth	2022/10/27
A2022/01358	Excavator Tooth	2022/10/27
A2022/01478	CONTAINER FOR LUBRICANTS	2022/11/16
A2022/01552	A DISPLAY DEVICE	2022/12/01
A2023/00063	Electrical Switch	2023/01/13
A2023/00430	AUTOMOBILES	2023/04/05
A2023/00434	HARVESTERS	2023/04/06
A2023/00450	Construction members	2023/04/11
A2023/00451	Construction members	2023/04/11

Application Number	Design Articles	Filing Date
A2023/00456	Electric Power Unit	2023/04/12
A2023/00463	CONTAINER	2023/04/13
A2023/00465	FURNITURE LEG	2023/04/14
A2023/00466	Glove-based Controllers	2023/04/14
A2023/00489	Rifle Stock	2023/04/19
A2023/00490	Rifle Stock	2023/04/19
A2023/00491	Rifle Stock	2023/04/19
A2023/00492	Rifle Stock	2023/04/19
A2023/00493	Rifle Stock	2023/04/19
A2023/00494	Rifle Stock	2023/04/19
A2023/00495	Rifle Stock	2023/04/19
A2023/00496	GLASS SLIDER	2023/04/19
A2023/00498	BOTTLES	2023/04/19
A2023/00499	BOTTLES	2023/04/19
A2023/00500	BOTTLES	2023/04/19
A2023/00501	BOTTLES	2023/04/19
A2023/00504	Vehicles	2023/04/21
A2023/00505	Blender Base	2023/04/21
A2023/00508	Cooking Appliance	2023/04/25
A2023/00509	Air Fryer	2023/04/25
A2023/00511	Air Fryer	2023/04/25
A2023/00517	Watch Case	2023/04/26
A2023/00519	GEAR BOX CASING	2023/04/28
A2023/00520	GEAR BOX CASING	2023/04/28
A2023/00521	VEHICLE ACCESSORIES	2023/04/28
A2023/00522	VEHICLE ACCESSORIES	2023/04/28
A2023/00523	VEHICLE ACCESSORIES	2023/04/28
A2023/00524	VEHICLE ACCESSORIES	2023/04/28
A2023/00525	VEHICLE ACCESSORIES	2023/04/28
A2023/00526	VEHICLE ACCESSORIES	2023/04/28
A2023/00527	VEHICLE ACCESSORIES	2023/04/28
A2023/00528	VEHICLE ACCESSORIES	2023/04/28
A2023/00529	GEAR BOX CASING	2023/04/28
A2023/00534	INHALER	2023/03/17
A2023/00535	INHALER	2023/03/17
A2023/00536	INHALER	2023/03/17
A2023/00537	INHALER CARTRIDGE	2023/03/17
A2023/00538	INHALER CARTRIDGE	2023/03/17
A2023/00539	INHALER CARTRIDGE	2023/03/17
A2023/00541	ADD-ON FOR INJECTOR PEN	2023/05/05
A2023/00543	Cartridge for a Printer	2023/05/05
A2023/00544	Cartridge for a Printer	2023/05/05
A2023/00545	Cartridge for a Printer	2023/05/05
A2023/00546	Cartridge for a Printer	2023/05/05
A2023/00553	A LID FOR A CONTAINER	2023/05/10
A2023/00569	HEAVY-DUTY DISH FOR A TILLAGE IMPLEMENT	2023/05/12
A2023/00571	MICRO-CURRENT DELIVERY DEVICE	2023/05/12
A2023/00577	CONTAINER	2023/05/15

Application Number	Design Articles	Filing Date
A2023/00653	BULLETPROOF PILLOW	2023/05/31
A2023/00679	A MOBILE DEVICE HOLDER	2023/06/08
A2023/00688	TEMPERATURE TRANSMITTER HOUSING	2023/06/12
A2023/00694	PRESSURE TRANSMITTER HOUSING	2023/06/15
A2023/00995	FLOODING TABLE (DOUBLE VESION)	2023/09/12
A2023/01007	EXPANDABLE STOOL	2023/09/14
A2023/01199	UNIVERSAL PHONE HOLDER	2023/11/06
A2023/01200	HEATED DELIVERY BOX	2023/11/06
F2022/00802	FOOD PACKAGING CONTAINER	2022/07/12
F2022/00804	FOOD PACKAGING CONTAINER	2022/07/12
F2022/00924	A ROCK BOLT	2022/08/12
F2023/00198	NECTAR FEEDER	2023/02/14
F2023/00282	A COUPLER	2023/02/27
F2023/00364	MINING MACHINES	2023/03/13
F2023/00413	DENTAL SCOPE	2023/04/03
F2023/00448	Construction members	2023/04/11
F2023/00449	Construction members	2023/04/11
F2023/00483	Curtain runners	2023/04/17
F2023/00542	ADD-ON FOR INJECTOR PEN	2023/05/05
F2023/00554	A LID FOR A CONTAINER	2023/05/10
F2023/00555	ADJUSTABLE CLAMP FOR MOUNTING SOLAR PANELS	2023/05/10
F2023/00556	BRACKET FOR T-SLOT RAIL FOR MOUNTING SOLAR PANEL RAILS ON ROOF	2023/05/10
F2023/00557	RAIL FOR MOUNTING SOLAR PANELS ON SLOTTED BRACKET	2023/05/10
F2023/00558	SIDE T-SLOT RAIL FOR MOUNTING SOLAR PANELS ON SLOTTED BRACKET	2023/05/10
F2023/00560	BRACKET (2) FOR MOUNTING SOLAR PANEL RAILS ON TILED ROOF	2023/05/10
F2023/00570	HEAVY-DUTY DISH FOR A TILLAGE IMPLEMENT	2023/05/12
F2023/00576	CONTAINER	2023/05/15
F2023/00578	CONTAINER	2023/05/15
F2023/00652	BULLETPROOF PILLOW	2023/05/31
F2023/00680	A MOBILE DEVICE HOLDER	2023/06/08
F2023/00682	GOLF CLUB HEAD CLEANER	2023/06/08
F2023/01196	GLASS SPIGOT	2023/11/03
F2023/01201	HEATED DELIVERY BOX	2023/11/06

OTHER PRACTISE NOTICES



**NOTICE TO CUSTOMERS TO COMPANIES AND INTELLECTUAL PROPERTY COMMISSION
CUSTOMERS**

2024 SCHEDULE FOR ONLINE PUBLICATION OF THE PATENT JOURNAL

Please take note of the below dates regarding XML and online submissions for purposes of publishing in the Patent Journal. Further take note of the Patent Journal publication dates.

Month	Opening dates	Cut-off dates	Journal Publication Dates
January	02-January-2024	22-January-2024	31-January-2024
February	01-February-2024	19-February-2024	28-February-2024
March	29-February-2024	18-March-2024	27-March-2024
April	28-March-2024	15-April-2024	24-April-2024
May	25-April-2024	20-May-2024	29-May-2024
June	30-May-2024	18-June-2024	26-June-2024
July	27-June-2024	22-July-2024	31-July-2024
August	01-August-2024	19-August-2024	28-August-2024
September	29-August-2024	16-September-2024	25-September-2024
October	26-September-2024	21-October 2024	30-October-2024
November	31-October-2024	18-November-2024	27-November-2024
December	28-November-2024	09-December-2024	18-December-2024
January	02-January-2025	20-January-2025	29-January-2025

The above dates may be changed without a notice.

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