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INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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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. **(43)** 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 2024/11/25 -

2024/08913 ~ Provisional ~54:BLOCKCHAIN-BASED CLAIMS AND BENEFITS PROCESSING SYSTEM FOR ENHANCED FUNERAL SERVICES TRANSPARENCY AND EFFICIENCY ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2024/08927 ~ Complete ~54:RUNOFF PREDICTION METHOD, DEVICE, APPARATUS AND MEDIUM ~71:China University of Mining and Technology, No.1 Daxue Road, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;Xinjiang University, No. 666 Shengli Road, Tianshan District, Urumqi City, Xinjiang Uygur Autonomous Region, 830047, People's Republic of China ~72: Dai Yanyu;Zhang Ming;Zhang Shujian;Zhu Kui~ 33:CN ~31:202411484952.5 ~32:23/10/2024

2024/08928 ~ Complete ~54:AN ULTRASONIC SENSOR BASED SYSTEM FOR DETECTING OBJECTS AND DISTANCE MEASUREMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADSUL, Sanjivani;BAHADKAR, Susmit;BAHIR, Mangesh;BAHIRAM, Manisha;BAILMARE, Vedant;BAJAJ, Ramanuj~

2024/08935 ~ Complete ~54:A QR CODE AND GPS BASED BUS TICKET SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHOR, Vaishnav;BHOSALE, Ajinkya;BHOSALE, Dipraj;BHOSALE, Prathamesh;BHOSALE, Rajas;BHOSALE, Shreya;JADHAV, Balasaheb~

2024/08937 ~ Complete ~54:A SYSTEM FOR HANDWRITTEN TO TEXT CONVERSION AND PLAGIARISM CHECKING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADSUL, Atharva;AGAWANE, Shreyash;AGONE, Bhavesh;AGRAWAL, Shiven;BIHANI, Aditya;DEORE, Aditya;DOMBALE, Anita Bapu~

2024/08917 ~ Provisional ~54:HOTSPOT-AFRICA ~71:Thato Morwe, 1044 BR Semaushu road, South Africa ~72: Thato Morwe~

2024/08922 ~ Complete ~54:CONTROL METHOD FOR HIGH-STRESS STRONG-RHEOLOGY ROADWAY FLOORS BASED ON STRESS REGULATION AND REINFORCEMENT OF SURROUNDING ROCKS ~71:Xinjiang University, No.666 Shengli Road, Tianshan District, Urumqi, People's Republic of China ~72: Chengfang SHAN;Honglin LIU;Hongzhi WANG;Jun LIU;Meng WANG;Wenxiang CAO;Yang XIA;Yong QU;Zhongzong CAO~

2024/08943 ~ Complete ~54:PIPERAZINE DERIVATIVES USEFUL IN HIV THERAPY ~71:THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, 109 Church Street, Chapel Hill, United States of America;VIIV HEALTHCARE COMPANY, 251 Little Falls Drive, Wilmington, Delaware, United States of America ~72: AQUINO, Christopher, J;DUNHAM, Richard, M.;SUH, Junghyun, Lee~ 33:US ~31:63/346,362 ~32:27/05/2022

2024/08946 ~ Complete ~54:MODIFIED CORONAVIRUS PROTEIN ~71:ARAMIS BIOTECHNOLOGIES INC., 2552 BOULEVARD DU PARC-TECHNOLOGIQUE, QUÉBEC CITY, QUÉBEC, G1P 4S6, CANADA, Canada ~72: BÉDARD, Mikaël;D'AOUST, Marc-André;LAVOIE, Pierre-Olivier;OUELLET, Marie-Ève~ 33:US ~31:63/337,487 ~32:02/05/2022;33:US ~31:63/440,245 ~32:20/01/2023

2024/08955 ~ Complete ~54:BREWING WITH THERMOSTABLE AMG VARIANTS ~71:Novozymes A/S, Krogshoejvej 36, BAGSVAERD 2880, DENMARK, Denmark ~72: ANDERSEN, Carsten;MARRI, Lucia;MAUCH, Alexander~ 33:EP ~31:22171528.7 ~32:04/05/2022

2024/08961 ~ Provisional ~54:PROJECTILE CONTAINMENT SYSTEM ~71:F J Van Lill, Portion 13, Duvenhageskraal, South Africa ~72: Frederik Johannes Van Lill~

2024/08939 ~ Complete ~54:DEVICE FOR COLLECTING SOIL BASED ON LAND CONSOLIDATION ~71:HENAN COLLEGE OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan, People's Republic of China ~72: GUO, Guangyuan;GUO, Junxue;HUANG, Xiaoping;LI, Yan;MA, Wenming;SONG, Ziying;YIN, Shouqiang;ZHANG, Xiaorui~

2024/08951 ~ Complete ~54:CRYSTAL FORM OF A PDE4 INHIBITOR ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: FRANCESCO AMADEI;IRENE BASSANETTI;LUCA FORNASARI~ 33:EP ~31:22170229.3 ~32:27/04/2022

2024/08957 ~ Complete ~54:ORTHOPEDIC INSTRUMENTS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BARMES, Francis D.;DALTON, Mark Ray;LEE, Daniel J.;WOODS, Zachary Ryan~ 33:US ~31:63/363,600 ~32:26/04/2022

2024/08949 ~ Complete ~54:STEEL SHEET HAVING EXCELLENT POWDERING PROPERTIES AFTER PRESS-HARDENING AND METHOD FOR MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Jérémie JOUAN;Maxime BROSSARD;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2022/057251 ~32:04/08/2022

2024/08959 ~ Complete ~54:METHOD FOR MEASURING SUBDIVISION ANGLE OF ROTATING SHAFT OF ROBOT SERVO SYSTEM ~71:TANGSHAN UNIVERSITY, NO.11 University West Road, Tangshan, Hebei, 063000, People's Republic of China ~72: JIA, Zhaomin;LI, Ran;WANG, Chao~ 33:CN ~31:202411520002.3 ~32:29/10/2024

2024/08932 ~ Complete ~54:AN AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM FOR PARKING ALLOTMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: GAIKWAD, Priyanka;GAIKWAD, Pruthviraj;GAIKWAD, Rutvik;GAIKWAD, Shravani;GAIKWAD, Siddhant;GAIKWAD, Srushti;RAJPUT, Vaishali Sham~

2024/08918 ~ Provisional ~54:A METHOD AND SYSTEM FOR MANUFACTURING LUMBER PIECES FOR CONSTRUCTING A WOODEN STRUCTURE ~71:MURRAY, Neil, Twee Jakkals Farm, 433 Hakerville Road, South Africa ~72: MURRAY, Neil~

2024/08919 ~ Complete ~54:BONE MARROW BIOPSY SAMPLING DEVICE ~71:Yichang Central People's Hospital (First Clinical Medical College of Three Gorges University, Central People's Hospital Affiliated to Three Gorges University), No. 183, Yiling Avenue, Yichang, Hubei, People's Republic of China ~72: Danlei Han~

2024/08923 ~ Complete ~54:PLC CONTROL-BASED FREEZE-THAW CYCLE EXPERIMENT DEVICE AND METHOD ~71:Xinjiang University, No.666 Shengli Road, Tianshan District, Urumqi, People's Republic of China

~72: Chengfang SHAN;Guofeng NIU;Haishan HUANG;Honglin LIU;Hongzhi WANG;Jinmao JU;Meng WANG;Yang XIA;Zhongzong CAO~

2024/08929 ~ Complete ~54:A WASTE DETECTION SYSTEM FOR GARBAGE SEGREGATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BORA, Shradha;CHHAJED, Jeevaan;CHIKHALE, Shramanraj;CHILBULE, Pranit;JAIN, Chetan~

2024/08931 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE BASED EVENT AND TASK MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANSINGKAR, Atharva;ANSINGKAR, Atharva;CHAHARE, Ansh;DESAI, Anish;DOMBALE, Anita Bapu;PALA, Aniketh;WAKHURE, Anjali~

2024/08934 ~ Complete ~54:A SYSTEM FOR SIGN LANGUAGE RECOGNITION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BELURE, Prasad;BENDALE, Girija;BHADANE, Om;BHADE, Shourya;BHAGAT, Chirag;SONAWANE, Vishnu~

2024/08941 ~ Complete ~54:MENSTRUAL AND ENDOMETRIOSIS PROBLEMS ~71:Vernon Patrick MANCER, 256 Victoria Street, South Africa ~72: Vernon Patrick MANCER~ 33:ZA ~31:2023/06499 ~32:23/11/2023

2024/08947 ~ Complete ~54:A BEARING HOUSING ~71:ROON, Selwin, Jakobus, Emiel, Unit 1, 270 Roan Crescent, Corporate Park North, Midrand, 1683, South Africa, South Africa;VERMAAK, Frans, Willem, Unit 1, 270 Roan Crescent, Corporate Park North, Midrand, 1683, South Africa, South Africa ~72: ROON, Selwin, Jakobus, Emiel;VAN WYK, Jan, Carl;VERMAAK, Frans, Willem~ 33:ZA ~31:2022/09360 ~32:22/08/2022

2024/08920 ~ Complete ~54:METHOD FOR CONSTRUCTING DATABASE OF E-COMMERCE PLATFORM SEARCH ENGINE ~71:Shandong University of Finance and Economics, No. 7366, East Second Ring Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: YUE, Houguang~

2024/08933 ~ Complete ~54:A SYSTEM FOR DATA SECURITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ANDHALE, Aditya;ANDRASKAR, Shruti;ANDURE, Sidhant;ASIT, Anand;DOMBALE, Anita Bapu;NAPHADE, Amit;SHARMA, Ananya~

2024/08944 ~ Complete ~54:APPARATUS AND METHOD FOR FRESH AIR COOLING OF A RESIDENCE OR BUILDING ~71:INTEGRITY CIRCUITS LLC, 7510 SW 101st Ave., United States of America ~72: SULLINS, Jason~ 33:US ~31:17/842,705 ~32:16/06/2022

2024/08948 ~ Complete ~54:STEEL SHEET WITH VARIABLE THICKNESS HAVING A REDUCED RISK OF DELAYED FRACTURE AFTER PRESS HARDENING AND METHOD FOR MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Maxime BROSSARD;Raisa GRIGORIEVA;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2022/057248 ~32:04/08/2022

2024/08950 ~ Complete ~54:STEEL SHEET HAVING EXCELLENT CORROSION PROPERTIES AFTER PRESS HARDENING AND METHOD FOR MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Maxime BROSSARD;Pascale FELTIN;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2022/057250 ~32:04/08/2022

2024/08952 ~ Complete ~54:METHOD FOR ENHANCING IMMUNITY ~71:XANADU BIO, INC., 980 Idlewild Road, Gladwyne, Pennsylvania 19035, United States of America;YALE UNIVERSITY, 2 Whitney Avenue, New

Haven, Connecticut, 06511, United States of America ~72: AKIKO IWASAKI;BENJAMIN GOLMAN-ISRAELOW;BRUCE TURNER;TIANYANG MAO;TODD WIDER;W. MARK SALTZMAN~ 33:US ~31:63/336,499 ~32:29/04/2022;33:US ~31:63/348,451 ~32:02/06/2022

2024/08958 ~ Complete ~54:COMPOSITIONS FOR MAINTAINING LENTIVIRAL VECTOR AND USES THEREOF ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, TARRYTOWN 10591, NY, USA, United States of America ~72: BHATTACHARYA, Moumita;KELLY, Kristen~ 33:US ~31:63/346,001 ~32:26/05/2022

2024/08960 ~ Complete ~54:A CRIMPING DEVICE FOR SAFELY DISPOSING A CONTINUOUS LINER BAG CONTAINING TOXIC MATERIAL ~71:HEGDE, Shreepad, Villa No 290, Hill County Bachupally Hyderabad 500090 (IN), Hyderabad, India ~72: HEGDE, Shreepad~ 33:IN ~31:202241025439 ~32:30/04/2022

2024/08911 ~ Provisional ~54:AI-DRIVEN HEALTH-OPTIMISED DYNAMIC INSURANCE SYSTEM (HODIS) ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/08915 ~ Provisional ~54:LEGACY MANAGEMENT METHOD AND SYSTEM ~71:POMSURANCE (PTY) LTD, No 13 Sunrise Avenue, Maroelana, South Africa ~72: VAN ROOY, Wilhelm Louis;VAN ROOY, Willem Adriaan;VERMEULEN, Susan~

2024/08921 ~ Complete ~54:AUTOMATIC SPRAYING DEVICE FOR FOREST PESTS AND DISEASES ~71:Gansu Agricultural University, No. 1 Yingmen village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Chunchun LI;Lixiang WANG;Ning LYU;Xuan WANG;Zhuandi PEI~

2024/08924 ~ Complete ~54:VERIFICATION METHOD, DEVICE AND APPARATUS FOR EMBEDDED SYSTEM ~71:Shandong University of Finance and Economics, No.7366, East Second Ring Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: YUE, Houguang~

2024/08926 ~ Complete ~54:A SYSTEM FOR PIXEL DATA MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AGRAWAL, Aaditya;CHAVAN, Aayush;DOMBALE, Anita Bapu;GADIYA, Aayush;GAVASKAR, Aarya;GUHAGARKAR, Abhishek;KOTHARI, Aagam~

2024/08940 ~ Complete ~54:GROUND LEVELLING DEVICE USED FOR LAND CONSOLIDATION ~71:HENAN COLLEGE OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan, People's Republic of China ~72: GUO, Panpan;HUANG, Xiaoping;LI, Yan;LIU, Sen;LIU, Yuhong;MA, Zhanlin;QU, Qianlong;YANG, Feng;YIN, Jiandang~

2024/08954 ~ Complete ~54:AUTOMOTIVE VEHICLE WITH PRESS HARDENED VISIBLE STEEL PARTS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Eric JACQUESON;Guillaume PLANCHON;Larissa AGRIZZI RONQUETI;Marine KIEFFER;Tiago MACHADO AMORIM~ 33:IB ~31:PCT/IB2022/056969 ~32:28/07/2022

2024/08912 ~ Provisional ~54:SYSTEM & METHOD FOR LIVE-STREAMING DINING EXPERIENCES WITH INTEGRATED AUDIENCE INTERACTION ~71:Michael Smorenburg, 17 Ocean Way, South Africa ~72: Michael Andrew Smorenburg~ 33:ZA ~31:#1 ~32:20/11/2024

2024/08914 ~ Provisional ~54:TOMBSTONE-AS-A-SERVICE (TAAS) SYSTEM AND METHOD FOR INTEGRATED PHYSICAL AND DIGITAL MEMORIAL MANAGEMENT ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/08916 ~ Provisional ~54:METHOD OF CONTROLLING A BLASTING SYSTEM ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: SWART Johannes Nicholaas Gerhardus~

2024/08925 ~ Complete ~54:MACHINE READABLE MEDIUM FOR GENERATING XR SCENE USING WEB ENVIRONMENT OF MOBILE USER DEVICE ~71:LIMITED LIABILITY COMPANY "ADDON", VN.TER.G. MUNITSIPALNYJ OKRUG TEKSTILSHCHIKI, PR-KT VOLGOGRADSKIY, D. 45, STR. 1, POMESHCH. 1N/3, Moscow, 109316, Russian Federation ~72: BUROV Kirill Vitalievich;GIRIN Ivan Andreevich;POPOV Sergey Alekseevich;VETROV Dmitriy Viktorovich~ 33:RU ~31:2024131172 ~32:17/10/2024

2024/08945 ~ Complete ~54:AUTOMATIC STEERING OF VEHICLE ~71:CATERPILLAR INC., 100 NE Adams Street - AB6450, United States of America ~72: CHOWDHURY, Sagar;DAVIS, Kevin A.;JOHNSON, Matthew D.;KIRSCH, Karl;SHARMA, Manish;WALLSTEDT, Philip C.~ 33:US ~31:17/804,462 ~32:27/05/2022

2024/08956 ~ Complete ~54:TRANSIENT OVERVOLTAGE DETECTION SYSTEM AND METHOD ~71:Siemens Energy Global GmbH & Co. KG, Otto-Hahn-Ring 6, MÜNCHEN 81739, GERMANY, Germany ~72: NAJAFI, Seyed Amir Mahmood~ 33:US ~31:63/351,512 ~32:13/06/2022

2024/08930 ~ Complete ~54:DAMPING DEVICE FOR MECHANICAL ENGINEERING EQUIPMENT ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Huang Haishui;Li Xiaomie;Xiao Xi;Yang Guojun;Yu Longhai~

2024/08953 ~ Complete ~54:STEPWISE CHEMICAL SEPARATION METHODS AND SYSTEMS USING RESIN PACKED COLUMNS ~71:SHINE TECHNOLOGIES, LLC, 3400 Innovation Court, Janesville, Wisconsin, 53546, United States of America ~72: ABDUL MOMEN;MAREK PIECHOWICZ;RILEY MCSWEENY~ 33:US ~31:17/737,737 ~32:05/05/2022

2024/08936 ~ Complete ~54:A HAND GESTURE RECOGNITION SYSTEM FOR ENHANCING HUMAN-COMPUTER INTERACTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DASARWAR, Eshaan;DATE, Ameya;DATIR, Dev;DATTAWADE, Pratham;DAVARE, Pratik;D'COSTA, Shane;UBALE, Ganesh~

2024/08938 ~ Complete ~54:STORAGE DEVICE FOR STATISTICAL COLLECTION OF COMPUTER BIG DATA ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Fu Kai;Li Shiwen;Li Xiaomie;Liu Mingqi;Liu Xueping;Luo Haiyong~

2024/08942 ~ Complete ~54:METHOD AND MOULD SYSTEM ~71:PULPEX LIMITED, Unit 1, Cambridge South, West Way, United Kingdom ~72: PROZESKY, Daniel;WHITE, Jason~ 33:GB ~31:2209678.8 ~32:30/06/2022

. - APPLIED ON 2024/11/26 -

2024/08963 ~ Provisional ~54:PINCH VALVE SLEEVE ~71:Johannes Jacobus Naude, 12 Arend avenue, South Africa ~72: Johannes Jacobus Naude~

2024/08969 ~ Complete ~54:RANDOM ACCESS IN COMMUNICATION SYSTEM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: TURTINEN, Samuli;WU, Chunli~

2024/08975 ~ Complete ~54:RADIO FRAME SENDING AND RECEIVING METHODS AND APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: GUO, Yuchen;YANG, Xun;YU, Jian~ 33:CN ~31:201610305870.9 ~32:10/05/2016

2024/08977 ~ Complete ~54:A MACHINE LEARNING-BASED SYSTEM FOR CONGESTION PREVENTION IN WIRELESS SENSOR NETWORKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DESHPANDE, Vivek S.;MAHALLE, Parikshit N.;SABLE, Nilesh P.;SHINDE, Gitanjali R.;SHRIRAO, Shital M.~

2024/08981 ~ Complete ~54:PREPARATION METHOD FOR NANOMETER TIO2 ASPHALT MIXTURE FOR CATALYTIC DEGRADATION OF AUTOMOBILE EXHAUST GAS ~71:Inner Mongolia University of Technology, No. 49, Aimin Street, Xincheng District, Hohhot City, Inner Mongolia Autonomous Region, 010051, People's Republic of China ~72: Chen Qi;Cui Ya'nan;Zhang Shuyan~

2024/08983 ~ Complete ~54:ANTI-EXTRAVASATION CHEMOTHERAPY MEDICINE DELIVERY DEVICE FOR CLINICAL USE ~71:Xuzhou Traditional Chinese Medicine Hospital, No. 169 Zhongshan Road, Xuzhou City, Jiangsu Province; 221000, People's Republic of China ~72: Ding Kai;Hao Hongbo;Shen Sining;Yang Jing~

2024/08994 ~ Complete ~54:LUMINESCENT DIAMOND WITH NEGATIVELY CHARGED VACANCIES ~71:SCHLUMBERGER TECHNOLOGY B.V., Parkstraat 83-89, Netherlands ~72: BAO, Yahua~ 33:US ~31:63/365,433 ~32:27/05/2022

2024/09001 ~ Complete ~54:METHODS FOR REVERSIBLE MALE BIRTH CONTROL ~71:MTOLOGY INNOVATIONS LLC, 18480 W. Carol Ave., Waddell, Arizona, 85355, United States of America ~72: CANDACE PLESS;GABRIELLA ESTRADA~ 33:US ~31:63/336,219 ~32:28/04/2022

2024/09005 ~ Complete ~54:HIGH THROUGHPUT MOVING PANEL DIRECT AIR CAPTURE SYSTEM ~71:Zero Carbon Systems, Inc., 590 Madison Avenue, 21st Floor, NEW YORK 10022, NY, USA, United States of America ~72: ELENOWITZ, David;SANDERSON, Charles S.~ 33:US ~31:63/346,384 ~32:27/05/2022;33:US ~31:63/425,210 ~32:14/11/2022;33:US ~31:63/456,600 ~32:03/04/2023

2024/09012 ~ Complete ~54:RECYCLABLE SHIPPING PACK AND METHOD OF AND APPARATUS FOR FORMING A SHIPPING PACK FOR LOOSE-FILL PRODUCE ~71:WHITESIDE, Andrew David, The Staithe Business Suite Staithe Road, United Kingdom ~72: WHITESIDE, Andrew David~ 33:GB ~31:2206170.9 ~32:28/04/2022;33:US ~31:17/819,005 ~32:11/08/2022

2024/09000 ~ Complete ~54:METHOD AND SYSTEM FOR LOCATING STATIONARY OBJECTS IN AN UNDERGROUND ENVIRONMENT ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: HANS WAHLQUIST~

2024/09003 ~ Complete ~54:SKIN CARE COMPOSITIONS AND METHODS OF USE ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BOYD, Thomas;COHEN, Aaron;MAO, Junhong~ 33:US ~31:63/348,630 ~32:03/06/2022

2024/09008 ~ Complete ~54:HERBICIDAL DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: EMMETT, Edward John;INGRAM, Katharine Mary;KRISTOFFERSEN, Abbie Louise;MORRIS, James Alan;SEDEN, Peter Timothy;WHALLEY, Louisa~ 33:EP ~31:22176867.4 ~32:01/06/2022

2024/09010 ~ Complete ~54:TAIL GAS TREATMENT SYSTEM AND METHOD FOR A SULFURIC ACID PRODUCTION PLANT ~71:Chemetics Inc., #200 - 2930 Virtual Way, VANCOUVER V5M 0A5, BRITISH COLUMBIA, CANADA, Canada ~72: DIJKSTRA, Rene~ 33:US ~31:63/346,579 ~32:27/05/2022

2024/08967 ~ Complete ~54:INTELLIGENT FULL-AUTOMATIC PHOSPHOGYPSUM PAPERMAKING SYSTEM AND PAPERMAKING METHOD ~71:Shenzhen Zheying Changke Intelligent Technology Development Co., Ltd,

405, No. 16,17 Xinglian Third Lane, Hehua Community, Pinghu Street, Longgang District, Shenzhen, Guangdong, People's Republic of China ~72: Cao Hongxi;Chen Xuyong;Deng Guoqiang;Feng Mingfa;Gan Xuezheng;Gan boning;Guo Zhilin;He Jun;Jiang Shi;Jin Junwen;Liu Jianxing;Liu Lishu;Liu Wen;Peng Yibin;Peng Yiwen;Peng Zhe;Wang Longfei;Wu Yunguo;Xing Chunan;Yang Xinrong;Yu Anquan;Zhou Yingchun~ 33:CN ~31:2024114838272 ~32:23/10/2024

2024/08974 ~ Complete ~54:RADIO FRAME SENDING AND RECEIVING METHODS AND APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: GUO, Yuchen;YANG, Xun;YU, Jian~ 33:CN ~31:201610305870.9 ~32:10/05/2016

2024/08976 ~ Complete ~54:A SYSTEM FOR AGRICULTURAL INSURANCE CLAIM SETTLEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: GAVATE, Aditya;GAVIT, Jaykumar;GAWADE, Rushikesh;GAWAI, Sumit;GAWALI, Pruthvaik;RAJPUT, Vaishali Sham~

2024/08980 ~ Complete ~54:A METHOD FOR OPTIMIZING ROUTING IN HETEROGENEOUS WIRELESS SENSOR NETWORKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: BHOITE, Sonali Prashant;BIRARE, Komal Madhukar;KODMELWAR, Manohar Kisanrao;MOKASHI, Mandar Krishnarao;PATHAK, Kishor Renukadas;SHELKE, Ganesh Chandrabhan;WANKHEDE, Shalini~

2024/08985 ~ Complete ~54:COMMUNICATION CABINET FOR ELECTRONIC INFORMATION ENGINEERING ~71:Xinyu University, No. 2666 Sunshine Avenue, Yushui District, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Hu Hao;Li Rong;Li Shuigen;Liu Hesheng;Peng Xiaojun;Zeng Xiangming~

2024/08988 ~ Complete ~54:MASSAGE DEVICE WITH A CARRIER ELEMENT AS A BASE WITH A CONTROLLED MOVABLE MASSAGE MODULE ~71:LIMITED LIABILITY COMPANY "SPEKTRIA", VN.TER.G. MUNITSYPALNYJ OKRUG KHOVRINO, UL FLOTSKAYA, D. 7, POMESHCH. 681N, OFIS 1N, MOSCOW, 125581, Russian Federation ~72: MONAKU Vitalii Georgievich~ 33:RU ~31:2024129564 ~32:02/10/2024

2024/08991 ~ Complete ~54:COMBINATION BACKSTOP AND NETTING APPARATUS AND RELATED SYSTEMS AND METHODS ~71:MUSCO CORPORATION, 100 1st Avenue West, Oskaloosa, Iowa 52577, United States of America ~72: BOGATZKE, Logan J.;BOYLE, Timothy J.;DEJONG, Mark A.;DROST, Matthew D.;JOHNSON, Kevin R.;SCHEIDEL, Casey T.;TAYLOR, Jacob W.~ 33:US ~31:63/336,566 ~32:29/04/2022

2024/08993 ~ Complete ~54:DEVICE FOR ANTI-AIRCRAFT SPOOFING AND JAMMING AND AN AIR DEFENSE SYSTEM COMPRISING SAID DEVICE ~71:CARBOTEH TECHNOLOGIES D.O.O., Podjunska ulica 13, Slovenia ~72: KNEŽEVIĆ, Srečko;KOSMAČ, Jure;PETERCA, Primož;SERNEC, Radovan;ZUPANČIČ, Luka~ 33:SI ~31:PCT/SI2022/050018 ~32:02/06/2022

2024/08999 ~ Complete ~54:CONTROL SYSTEM, DRILL RIG AND METHOD THEREIN ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: ANDERS PERSSON;OSKAR LUNDBERG;TOMMY EDETUN~

2024/09006 ~ Complete ~54:NOVEL ANTI-GPRC5D ANTIBODIES, BISPECIFIC ANTIGEN BINDING MOLECULES THAT BIND GPRC5D AND CD3, AND USES THEREOF ~71:Antengene Biologics Limited, Suite 1206-1209, Block B, Zhongshan SOHO Plaza, 1065 West Zhongshan Road, Changning District, SHANGHAI 200051, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Peng;HOU, Bing;LI, Tengteng;MEI, Jay;REN, Yijing;SHAN, Bo;YUWEN, Hui~ 33:IB ~31:2022/095719 ~32:27/05/2022

2024/09011 ~ Complete ~54:DIROXIMEL FUMARATE SYNTHESIS ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: FEI, Chao;KWOK, Daw-long Albert~ 33:US ~31:63/335,275 ~32:27/04/2022

2024/08966 ~ Complete ~54:MEAT PRODUCT COLD-CHAIN LOGISTICS MONITORING SYSTEM ~71:Shanxi Agricultural University, Yangjiazhuang, Taigu District, Jinzhong City, Shanxi Province, 030801, People's Republic of China ~72: ZHANG, Yuanqing;ZHAO, Xiaoqiang~

2024/08971 ~ Complete ~54:A BROADLY APPLICABLE FRESHWATER PEARL MUSSEL SMART ECOLOGICAL AQUACULTURE SYSTEM ~71:SHANG HAI MOOGONUTRITION CO., LTD, Room 304, Building 16, Ocean Venture Park, No.218 Haijiliu Road, Lingang New City, Pudong New Area, Shanghai, 201306, People's Republic of China;Shanghai Ocean University, No.999, Hucheng Ring Road, Pudong New Area, Shanghai, 201306, People's Republic of China ~72: Fu, Yuanshuai;Li, Wenjuan;Liu, Shijun;Yin, Yiming~

2024/08982 ~ Complete ~54:ROBOT FOR FIRE SCENE DETECTION AND RESCUE ~71:Xinyu University, No. 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Li Naigen;Liu Hesheng;Peng Xiaojun;Wang qing;Wu Shilan;Zhang Xianglin~

2024/08986 ~ Complete ~54:MULTI-INTERFACE CONTROLLER FOR COMPUTER NETWORK SECURITY ~71:Xinyu University, No. 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Fu Kai;Li Xiaomie;Luo Haiyong;Wan Mingxiu;Xia Meihua;Yang Guojun~

2024/08989 ~ Complete ~54:3-(SULPHONYL OR SULFONIMIDOYL)PROP-2-EN-1-YL]-2-OXO-1,2-DIHYDROPYRIDINE-3-CARBOXAMIDE DERIVATIVES ~71:FLINDR THERAPEUTICS B.V., Kloosterstraat 9, Netherlands ~72: LIGTENBERG, Maarten Alexander;SAMARSKAYA, Alina;SHOUKSMITH, Andrew Eric;TRAVAGLI, Massimiliano;URBANSKA, Ewelina Anna;WIJKMANS, Jacobus Cornelis Henricus Maria~ 33:NL ~31:2032265 ~32:23/06/2022

2024/08992 ~ Complete ~54:AIR DEFENSE SYSTEM FOR ANTI-AIRCRAFT COMBAT COMPRIZING COUNTER COUNTER MEASURES DEVICE TO TRIGGER THE COUNTER MEASURE OF THE AIRCRAFT PRIOR LAUNCHING ANTI-AIRCRAFT MISSILE AT THE AIRCRAFT ~71:CARBOTEH TECHNOLOGIES D.O.O., Podjunska ulica 13, Slovenia ~72: KNEŽEVIĆ, Srečko;PETERCA, Primož;SERNEC, Radovan;ZUPANČIČ, Luka~

2024/08965 ~ Provisional ~54:CONNECTOR ASSEMBLY ~71:EVA-LAST HONG KONG LIMITED, 12/F TOWER 3, 33 CANTON RD, TSIMSHATSUI, People's Republic of China ~72: Brandon Jay HEUKELMAN;Caitlynne Gail COLLENDER;Gareth Wade Gadsby CHAPMAN~

2024/08970 ~ Complete ~54:AGRICULTURAL DRUM-TYPE YACON CLEANING MACHINE ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China;Chuzhou Hetian Agricultural Machinery Co., Ltd., (Building 3 of Chuzhou Boyuan Decoration Engineering Co., Ltd.) Yangqiao Industrial Park, Xianghe Town, Quanjiao County, Chuzhou City, Anhui Province, 239000, People's Republic of China ~72: AI, Zhiyun;LI, Yunfei;LIAO, Junling;QIAO, Yinhu;ZHANG, Chunyan;ZHU, Renshan~

2024/08972 ~ Complete ~54:HYBRID TIME DIVISION AND FREQUENCY DIVISION DUPLEXER ~71:CHAMPION MOBILE GLOBAL LTD, Ridge View, Wellgreen Lane, Kingston-Upon-Lewes, United Kingdom ~72: ALI, Aatif;KHAN, Saad Saleem;NISAR, Momina;OMAR, Muhammad;ROBINSON, Justyna;USMAN, Muhammad~

2024/08978 ~ Complete ~54:AN IOT-BASED INTELLIGENT SYSTEM FOR UNHEALTHY ORGAN PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi,

Pune, Maharashtra, 411037, India ~72: BAGWAN, Nomaan Nijam;GOLE, Ashutosh Dattatray;INGALE, Pushkar Kishor;JOSHI, Vallabh Vinayak;MAHALLE, Parikshit Narendra;PATIL, Vivek D.~

2024/08990 ~ Complete ~54:COMPOSITIONS AND METHODS FOR REDUCING MHC CLASS I IN A CELL ~71:INTELLIA THERAPEUTICS, INC., 40 Erie Street, Cambridge, United States of America ~72: BALWANI, Ishina;KILIÇ, Özgün;LIU, Biao;SCHULTES, Birgit;ZHANG, Boning;ZHANG, Yong~ 33:US ~31:63/352,991 ~32:16/06/2022;33:US ~31:63/494,208 ~32:04/04/2023

2024/09004 ~ Complete ~54:FORMULATIONS OF A PLASMA KALLIKREIN INHIBITOR ~71:KalVista Pharmaceuticals Limited, Porton Science Park, Bybrook Road, Porton Down, SALISBURY SP4 0BF, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: ARROYO, Ana Catalina Ferreira;COOPER, John Alexander;CROADSHAW, Oliver William;IVERSON, Matthew Scott;SCHIANO, Serena;SMITH, Michael David~ 33:US ~31:63/335,387 ~32:27/04/2022

2024/09009 ~ Complete ~54:HERBICIDAL DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GOMM, Andrew;KRISTOFFERSEN, Abbie Louise;MORRIS, James Alan;WHALLEY, Louisa~ 33:EP ~31:22176869.0 ~32:01/06/2022

2024/08962 ~ Provisional ~54:HEAT RECOVERY SYSTEM ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/08984 ~ Complete ~54:ITERATIVE CALCULATION METHOD FOR DATA COMPRESSION ~71:Leshan Normal University, No. 778 Binhe Road, Shizhong District, Leshan City, Sichuan Province, 614000, People's Republic of China ~72: Li Qin~ 33:CN ~31:202410081165.X ~32:19/01/2024

2024/08995 ~ Complete ~54:VIBRATION DAMPER AND VIBRATING CONVEYOR SYSTEM ~71:ROSTA AG, Hauptstrasse 58, 5502 Hunzenschwil, Switzerland ~72: IRIS BOLLIGER;IVAN VOVCHOK;MARCO PELAGATTI;PATRICK BAUMANN~ 33:EP ~31:22176071.3 ~32:30/05/2022

2024/08998 ~ Complete ~54:CONTROL SYSTEM, CONTROL UNIT AND METHOD THEREIN FOR HANDLING A CONDITION OF AN ENERGY STORAGE ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: DANIEL JONSSON~

2024/09002 ~ Complete ~54:RUNFLAT ASSEMBLY ~71:TYRON INTERNATIONAL LIMITED, Le Hurel Business Centre, La Route De Plemont, United Kingdom ~72: GLAZEBROOK, Richard;TENG, Jason Lik Ching~ 33:GB ~31:2208523.7 ~32:10/06/2022

2024/09007 ~ Complete ~54:PROCESS FOR THE PREPARATION OF 4-SUBSTITUTED 2-OXAZOLIDINONES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: ANTELMANN, Bjoern;GRIBKOV, Denis;LUETTIN, Antonia;UNSINN, Andreas~ 33:EP ~31:22176222.2 ~32:30/05/2022

2024/08968 ~ Complete ~54:INTELLIGENT TEACHING EVALUATION SYSTEM BASED ON VOICEPRINT DETECTION AND EMOTION ANALYSIS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HE Wei;PANG Kaige;SHI Chunlei~

2024/08973 ~ Complete ~54:DUAL AXIS URBAN WIND TURBINE ~71:InAfrica Integrated Holdings Ltd, Kanika Alexander Center, Suite 113B, Georgiou Karaiskaki 38, LIMASSOL 3032, CYPRUS, Cyprus ~72: ROOS, Emily;VAN PLETSEN, Louis~

2024/08979 ~ Complete ~54:AN AUTOMATED JEWELLERY SECURITY SYSTEM FOR SHOPS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: KASTURE, Omkar Balaji;MAGAR, Krishna Vijaykumar;MAHANDULE, Ayush Chandrakant;RATHI, Snehal;SAKHARE, Sachin;TIWASKAR, Shweta~

2024/08987 ~ Complete ~54:MASSAGE DEVICE WITH A CARRIER ELEMENT WITH A CONTROLLED MOVABLE MASSAGE MODULE ~71:LIMITED LIABILITY COMPANY "SPEKTRIA", VN.TER.G. MUNITSYPALNYJ OKRUG KHOVRINO, UL FLOTSKAYA, D. 7, POMESHCH. 681N, OFIS 1N, MOSCOW, 125581, Russian Federation ~72: MONAKU Vitalii Georgievich~ 33:RU ~31:2024129563 ~32:02/10/2024

2024/08996 ~ Complete ~54:METHODS, MOBILE UNIT, CENTRAL UNIT AND SYSTEM IN AN UNDERGROUND ENVIRONMENT ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: ANDREAS KARVONEN;HANS WAHLQUIST~

2024/08997 ~ Complete ~54:COMPOSITION FOR ELECTRODE ROD, ELECTRODE ROD, METHOD FOR MANUFACTURING ELECTRODE ROD, AND METHOD FOR PRODUCING MOLTEN METAL ~71:POSCO CO., LTD, (Goedong-dong), 6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37859, Republic of Korea ~72: DONG SU KANG;JAE HOON PARK;SANG BEOM LEE;SANG CHAE PARK;SANG DONG LEE;YONG IN KIM~ 33:KR ~31:10-2022-0128663 ~32:07/10/2022

2024/08964 ~ Provisional ~54:A DEVICE FOR GENERATING PREDETERMINED WAVE FORMS ~71:WERNER JOHANNES VORSTER, 634 Duiwelskloof Street, Faerie Glen, South Africa ~72: VORSTER, Werner Johannes~

. - APPLIED ON 2024/11/27 -

2024/09024 ~ Complete ~54:ANTICORROSION METHOD FOR FUEL CELL ENGINE AND THERMAL MANAGEMENT SYSTEM ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: BAI Jianhui;GUO Hun;HE Yafeng;JIANG Wei;LONG Bing;WU Xiaofeng;XIA Yuan;XU Ji;YU Mingli;YU Ze~

2024/09036 ~ Complete ~54:A SYSTEM FOR SMART HOME AUTOMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: GAWANDE, Dnyaneshwar;GAWANDE, Harshal;GEJAGE, Vipul;GHATOLE, Mayuri;GHAVATE, Sarthak;RAJPUT, Vaishali Sham~

2024/09044 ~ Complete ~54:INDOOR LIGHTING CONTROL SYSTEM AND INDOOR LIGHTING CONTROL METHOD ~71:The First Affiliated Hospital of Chongqing Medical University, No. 1 Youyi Road, Yuanjiagang, Yuzhong District, Chongqing, 400016, People's Republic of China ~72: Wang Wo;Xu Xiaoming~

2024/09051 ~ Complete ~54:MULTI-MODAL PREDICTION AND IDENTIFICATION SYSTEM FOR POSTOPERATIVE SUBSYNDROMAL DELIRIUM IN ELDERLY PATIENTS UNDER GENERAL ANESTHESIA ~71:Anhui Medical University, No. 81, Meishan Road, Hefei City, Anhui Province, 230032, People's Republic of China;The Second People's Hospital of Wuhu, No. 259, Jiuhua Middle Road, Jinghu District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Cao Ziyi;Ding Man;Fang Yan;Hong Jingfang;Hu Haiyan;Li Chengcheng;Liu Yanchang;Lv Xiaoqing;Shen Ziyi;Song Yongxia;Tu Hailing;Wang Minghui;Wang Yi;Wang Zhuzhu;Xu Qin;Yang Shengmei;Zhang Yuhan~

2024/09055 ~ Complete ~54:SELF-CLEANING AND ANTIBACTERIAL MASK BASED ON PHOTOCATALYTIC COMPOSITE FIBERS ~71:Shandong University, 27 Shanda Nanlu, Licheng Qu, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Chang Jingcai;He Zuoli;Xiao Lihui;Zhang Jing;Zheng Ziye~

2024/09062 ~ Complete ~54:MEASURING ROLLER STATION FOR A BELT SCALE OF A CONVEYOR BELT SYSTEM AND CONVEYOR BELT SYSTEM ~71:SCHENCK PROCESS EUROPE GMBH, Pallaswiesenstrasse 100, Germany ~72: BRAUER, Martin~ 33:DE ~31:10 2022 107 642.3 ~32:31/03/2022

2024/09072 ~ Complete ~54:AN ADVANCED DATA AND ANALYTICS MANAGEMENT PLATFORM ~71:MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED, 216 - 14th Avenue, Fairland, South Africa ~72: ANGELOPOULOS, Nikolaos;BELL, Michael Geoffrey;BHAWRA, Rizwan Haroon;EKEJI, Chika;MABOGO, Masindi Abraham~ 33:ZA ~31:2022/04760 ~32:29/04/2022

2024/09014 ~ Provisional ~54:CLOSED-CIRCUIT SOLAR THERMAL ENERGY RECIRCULATION AND CONVERSION SYSTEM WITH PELTIER CELL ELECTRICITY GENERATION ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK STREET, South Africa ~72: SNYMAN, WILLEM LUKAS~

2024/09016 ~ Provisional ~54:FOLDABLE PICNIC TABLE ~71:Rose Ndhundhuma, 05 Leadwood Crescent, South Africa ~72: Rose Ndhundhuma~

2024/09017 ~ Provisional ~54:CAUSTIC SODA.CHEMICAL USED TO DISSOLVE FAECES IN WATER ~71:Rose Ndhundhuma, 05 Leadwood Creascent, South Africa ~72: Rose Ndhundhuma~

2024/09020 ~ Complete ~54:REGENERATION AND REPAIR METHOD OF GRAPHITE ANODE SHEET OF WASTE LITHIUM-ION BATTERIES ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: FAN Yi;LI Yuyun;LUO Yun;MENG Qi;SONG Jirui~ 33:CN ~31:2024101464929 ~32:02/02/2024

2024/09023 ~ Complete ~54:NOVEL COPPER OXIDE MODIFIED PEANUT SHELL BIOCHAR PREPARATION METHOD AND ITS APPLICATION ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: JI Hainan;LU Yuting;SUN Qi;WANG Yingchun;WU Junfeng;ZHANG Xinhai~

2024/09026 ~ Complete ~54:METHOD AND SYSTEM FOR MONITORING ROCK FAILURE PROCESS ~71:Huzhou Vocational and Technical College, No.299,Xuefu Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: NIU Jiangrui;SU Yingqiang;SUN Lu;XIE Enpu~

2024/09029 ~ Complete ~54:COAXIAL REVERSING DEVICE FOR THE AIRCRAFT ~71:Huailing Cheng, No. 1 Xiaozhuang Village, Laodian Town, Huaxian County, Anyang City, Henan Province, 456485, People's Republic of China ~72: Huailing Cheng~

2024/09045 ~ Complete ~54:NEW ENERGY WATER QUALITY TESTING SYSTEM AND TESTING METHOD THEREFOR ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Chen Ping;Peng Jiaqiang;Xiao Chuncai;Xie Fuzhen;Zeng Guangxiong;Zhu Xiaofeng~

2024/09048 ~ Complete ~54:DESIGN METHOD OF SHAFT TYPE INLET AND OUTLET STRUCTURE AND SHAFT TYPE INLET AND OUTLET 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, Duan;CHENG, Zibing;DONG, Jing;HAN, Songlin;JIANG, Zhibing;REN, Kunjie;ZHOU, Wangzi~ 33:CN ~31:202411267477.6 ~32:10/09/2024

2024/09063 ~ Complete ~54:BRANCHED TECHNOLOGIES ~71:SCION HOLDINGS LLC, 3011 Scenic Elm Street, Houston, United States of America ~72: KILLEBREW, Kyle;LANE, Samuel Livingston~ 33:US ~31:63/346,899 ~32:29/05/2022

2024/09069 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: AGAFONOV, Aleksei;STARING, Antonius Adriaan Maria~ 33:EP ~31:22170645.0 ~32:28/04/2022

2024/09013 ~ Provisional ~54:ANGLED DOUBLE SEAMING AREA FOR BEVERAGE CAN END ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/09030 ~ Complete ~54:A DEVICE FOR REAL TIME MONITORING AND REGULATING TEMPERATURE IN CONTINUOUS RENAL REPLACEMENT THERAPY ~71:Daxiang Hu, 2105, Building 3, Huayucheng M8 Community, Shapingba District, Chongqing City, 400037, People's Republic of China ~72: Daxiang Hu;Hao Zhong;Jiachuan Xiong;Jinghong Zhao;Ling Nie;Lu Yu;Moqi Li;Quanchao Zhang;Wenchang He;Xiangli Zeng;Yiqin Wang~

2024/09034 ~ Complete ~54:FUNCTIONALIZED LONG-CHAIN HYDROCARBON MONO- AND DI-CARBOXYLIC ACIDS USEFUL FOR THE PREVENTION OR TREATMENT OF DISEASE ~71:ESPERVITA THERAPEUTICS, INC., 7939 Secretariat Drive, Saline, Michigan, 48176, United States of America ~72: DANIELA CARMEN ONICIU~ 33:US ~31:62/878,852 ~32:26/07/2019;33:US ~31:62/901,739 ~32:17/09/2019

2024/09046 ~ Complete ~54:HYDROPONIC DEVICE FOR PLANT SEEDLING CULTIVATION AND ROOT OBSERVATION ~71:Anhui Science and Technology University, No.9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Bai chuangyang;Li feiyan;Liu huabin;Wu yue;Yang ning;Zhang qinying;Zhang wenwu;Zhou cheng~

2024/09059 ~ Complete ~54:INDICATING A TRANSMISSION CONFIGURATION INDICATOR STATE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DEGHEL, Matha;LADDU, Keeth, Saliya, Jayasinghe~ 33:FI ~31:20225397 ~32:06/05/2022

2024/09065 ~ Complete ~54:STABLE WASH COMPOSITION WITH BIODEGRADABLE THICKENER ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MINGJUN YUAN;TIRUCHERAI VARAHAN VASUDEVAN~ 33:US ~31:63/357,321 ~32:30/06/2022;33:EP ~31:22194216.2 ~32:06/09/2022

2024/09075 ~ Complete ~54:APPLICATION OF ASTRAGALOSIDE IV IN PREPARATION OF DRUGS FOR ALLEVIATING VOMITOXIN-INDUCED TOXIC INJURY ~71:BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, NO. 9, SHUGUANG GARDEN MIDDLE ROAD, HAIDIAN DISTRICT, People's Republic of China ~72: LIU, Lin;WANG, Meng;WANG, Xinlu;WANG, Yudan~ 33:CN ~31:2024100988700 ~32:24/01/2024

2024/09041 ~ Complete ~54:TARGET-ENHANCED SINGLE PULSE-DUAL BEAM LASER-INDUCED BREAKDOWN SPECTROSCOPY SIGNAL ENHANCEMENT METHOD AND SYSTEM THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Jiaye;CHEN, Shanbao;GUO, Junji;LIU, Le;WANG, Chaoyong;WANG, Kai;WANG, Yarui;ZHAO, Jun;ZHAO, Yapeng~

2024/09052 ~ Complete ~54:AN AUXILIARY MAINTENANCE EQUIPMENT FOR AN AUTOMOBILE MOTOR CONTROLLER ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Pei Jianliang;Pei Zhiwen~ 33:CN ~31:2024104731654 ~32:19/04/2024

2024/09058 ~ Complete ~54:SECURITY COMMUNICATION IN PROSE U2N RELAY ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: NAIR, Suresh;PING, Jing~

2024/09066 ~ Complete ~54:SYSTEM AND METHOD FOR INCREASING USER ENGAGEMENT WITH ONLINE SPORTS BETTING ~71:KENTECH S.L.U., Calle Francisco Gourie 107 Planta 3, Las Palmas de Gran Canaria, 35010 Las Palmas, Las Palmas, Spain ~72: DAVID GONZÁLEZ GONZÁLEZ;IVAYLO BOZOUKOV;PETKO ILIEV~ 33:US ~31:63/268,988 ~32:08/03/2022

2024/09021 ~ Complete ~54:AUTOMOTIVE SUSPENSION STRENGTH TESTING DEVICE ~71:Dongguan Xiesheng Auto Parts Technology Co., Ltd., Room 101, No. 6, Mintian Guanzhou 1ST Road, Shatian Town, Dongguan, Guangdong, People's Republic of China ~72: Fengbo Cheng~

2024/09028 ~ Complete ~54:LOCKING DEVICE FOR DOUBLE-LENGTH FLYING SHEAR CRANKSHAFT AND ROTATING KNIFE HOLDER ~71:SHANXI INSTITUTE OF ENERGY, No. 63,Daxue street, Yuci District, Jinzhong City, Shanxi Province, People's Republic of China ~72: GAO Yonghong;GUO Hantao;LI Yan;MU Yuheng;WEN Guifeng;ZHANG Chen;ZHANG Liying;ZHANG Yun~

2024/09031 ~ Complete ~54:PROCESS FOR PREPARING POLYMERIC SECURITY ARTICLES ~71:Koenig & Bauer Banknote Solutions SA, Avenue du Grey 55, LAUSANNE 1018, SWITZERLAND, Switzerland ~72: BLESOVSKY, Michael;SCHAEDE, Johannes;STEWART, Robert~

2024/09033 ~ Complete ~54:LABELED INHIBITORS OF PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA), THEIR USE AS IMAGING AGENTS AND PHARMACEUTICAL AGENTS FOR THE TREATMENT OF PROSTATE CANCER ~71:NOVARTIS AG, Lichtstrasse 35, 4056, Basel, Switzerland ~72: KLAUS KOPKA;MARTIN SCHÄFER;MARTINA BENESOVA;MATTHIAS EDER;MICHAEL EISENHUT;ULRIKE BAUDER-WÜST;UWE HABERKORN;WALTER MIER~ 33:EP ~31:13004991.9 ~32:18/10/2013;33:EP ~31:14175612.2 ~32:03/07/2014

2024/09038 ~ Complete ~54:A DATA ANALYTICS SYSTEM FOR IDENTIFICATION AND AUTHENTICATION THROUGH SINGLE SMART CARD ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: GHODAKE, Kanishka;GHODAKE, Shivam;GHODKE, Siddhant;GHUGE, Aditya;GHUGE, Darshan;GHUGE, Dnyaneshwari;SAWANT, Sachin Shridhar~

2024/09039 ~ Complete ~54:METHOD FOR MICROBIAL REMEDIATION OF HEAVY METAL POLLUTION ~71:Yanbian University, No. 977, Gongyuan Road, Yanji City, Jilin Province, 133002, People's Republic of China ~72: CUI, Huazi;CUI, Lianhua;GAO, Qingshan;LI, Guangchun;LI, Xiangzi;LIU, Minghui;YAN, Changguo;ZHANG, Haonan~

2024/09043 ~ Complete ~54:UNIVERSAL STEERING ROD FOR VEHICLES ~71:INNER MONGOLIA MINZU UNIVERSITY, No. 536 West Huolinhe Street, Tongliao City, Inner Mongolia, 028000, People's Republic of China ~72: Fan Xiaojing;Jiang Mingyang;Yu Xiaoze~

2024/09054 ~ Complete ~54:METHOD SYSTEM AND EQUIPMENT FOR TREATING LOW VISIBILITY METEOROLOGICAL DISASTERS BASED ON IMAGE PROCESSING ~71:Sichuan Gaolu Information Technology Co., Ltd., No. 2, Wuhouci East Street, Chengdu City, Sichuan Province, 610041, People's Republic of China ~72: Chen Yunping;Dai Chao;Liu Haocheng;Peng Zhuang;Tan Yuxin;Wang Yujie;Zhang Jing;Zhu Shu~ 33:CN ~31:2024112444736 ~32:06/09/2024

2024/09056 ~ Complete ~54:METHOD FOR PREPARING TNF/TPU COMPOSITE FIBER WITH HIGH TENSILE STRENGTH ~71:Shandong University, 27 Shanda Nanlu, Licheng Qu, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Chang Jingcai;He Zuoli;Xiao Lihui;Zhang Jing~

2024/09060 ~ Complete ~54:URSP RULE PROVISIONING IN ROAMING ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: GAN, Juying;INIESTA GONZALEZ, Antonio;PANCORBO MARCOS, Maria, Belen~ 33:EP ~31:22382438.4 ~32:06/05/2022

2024/09064 ~ Complete ~54:STATION AND METHOD FOR FORMING GLASS SHEETS ~71:GLASSTECH, INC., 995 Fourth Street, Ampoint Industrial Park, Perrysburg, Ohio, 43551, United States of America ~72: ASHOKA G JINKA~ 33:US ~31:17/732,785 ~32:29/04/2022

2024/09067 ~ Complete ~54:EXOTHERMIC IRON COMPOUNDS FOR PRODUCING IRON OXIDE PELLETS ~71:IRON ORE COMPANY OF CANADA, 400-1190 Avenue des Canadiens-de-Montréal, Montréal, Quebec, H3B 0E3, Canada ~72: BLAIR KELLY;JIM THOMPSON;KARIM SELIM~ 33:US ~31:63/514,923 ~32:21/07/2023

2024/09040 ~ Complete ~54:ENERGY DISSIPATION AND SHOCK ABSORBER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: FAN, Yunxia;FENG, Biao;GU, Xiaoyong;LI, Jiangle;LI, Lin;LOU, Yafei;MAN, Yuan;OUYANG, Kai;QU, Songzhao;WANG, Yi;WU, Wenlong;YOU, Peibo;ZHANG, Fengjian;ZHAO, Yuxia~ 33:CN ~31:202411127001.2 ~32:16/08/2024

2024/09050 ~ Complete ~54:ADJUSTABLE ART DESK WITH STAIN-RESISTANT GLASS SURFACE AND INTEGRATED STORAGE COMPARTMENTS ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: MR. DARNA SAI SHASHANK;MR. E. SACHETH MAHIPAL;MR. G. ASHOK;MR. SANTHOSH KUMAR KAMARAPU~ 33:IN ~31:202441068255 ~32:10/09/2024

2024/09019 ~ Complete ~54:HYPOLIPIDEMIC AND HYPOGLYCEMIC TRADITIONAL CHINESE MEDICINE AND PREPARATION METHOD AND USE THEREOF ~71:JIANGHAN UNIVERSITY, No. 8 Sanjiaohu Road, Wuhan Economic and Technological Development Zone, Hubei Province, People's Republic of China ~72: ZHANG Hongxing~ 33:CN ~31:2024109683290 ~32:18/07/2024

2024/09035 ~ Complete ~54:OBJECT DETECTION AND TRACKING FOR AUTOMATED OPERATION OF VEHICLES AND MACHINERY ~71:RAVEN INDUSTRIES, INC, P.O. Box 5107, Sioux Falls, South Dakota, 57117-5107, United States of America ~72: AZIZ ALIBASIC;RAHUL RAMAKRISHNAN;THOMAS ANTONY;VENKATA RAMA KARTHIK PAGA~ 33:US ~31:63/016,738 ~32:28/04/2020

2024/09047 ~ Complete ~54:BOS GRUNNIENS FORMULA MILK POWDER FOR MIDDLE-AGED AND ELDERLY PEOPLE AND PREPARATION METHOD THEREFOR ~71:Liao Yuan Dairy Co., Ltd., Gannan Cooperative Ecological Industrial Park, Hezuo City, Gannan Tibetan Autonomous Prefecture, Gansu Province, 747000, People's Republic of China;Linxia Liaoyuan Dairy Industry Research Institute Co., Ltd., Halal Food Zone, Linxia County Economic Development Zone, Linxia Hui Autonomous Prefecture, Gansu Province, 731100, People's Republic of China;Linxia Prefecture Liao Yuan Dairy Co., Ltd., Halal Food Zone, Linxia County Economic Development Zone, Linxia Hui Autonomous Prefecture, Gansu Province, 731100, People's Republic of China ~72: HU, Yulan;LIU, Ying;MA, Juanjuan;MA, Keqing;QIN, Hong;WANG, Xiangzhu~

2024/09061 ~ Complete ~54:SYNTHESIS OF ZEOLITIC MATERIALS OF THE IWR FRAMEWORK STRUCTURE TYPE FROM ZEOLITIC PRECURSOR MATERIALS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: DE BAERDEMAEKER, Trees, Maria;MENG, Xiangju;MORMUL, Jaroslaw, Michael;PARVULESCU, Andrei-Nicolae;TELES, Joaquim, Henrique;XIAO, Feng-Shou;ZHANG, Weiping~ 33:CN ~31:PCT/CN2022/090915 ~32:05/05/2022

2024/09071 ~ Complete ~54:ORTHOPEDIC IMPLANTS, INSTRUMENT SYSTEMS AND METHODS OF USE ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72:

BRINKER, Laura Zagrocki;COLLETTE, Tristan;DACOSTA, Albert;DOGUÉ, Joseph;HUNT, Richard David;MAJORS, Benjamin;RAYMOND, Spanky~ 33:US ~31:63/363,724 ~32:28/04/2022;33:US ~31:63/366,184 ~32:10/06/2022

2024/09073 ~ Complete ~54:TREATMENT OF ANTIDEPRESSANT RESISTANT SUBJECTS ~71:ACTINOGEN MEDICAL LIMITED, Suite 901, Level 9, 109 Pitt Street, Australia ~72: GOURLAY, Steven~ 33:AU ~31:2022901596 ~32:10/06/2022

2024/09076 ~ Complete ~54:LIGHT MUTEINS AND USES THEREOF ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: FEI, MINGJIAN;HUANG, XIAODONG;YANG, MAIYUN;ZHAI, QIANTING~ 33:CN ~31:PCT/CN2022/097735 ~32:08/06/2022

2024/09015 ~ Provisional ~54:INSULATION MATERIAL ~71:LUXURY FRONTIERS SOUTH AFRICA (PTY) LTD., OF102001a 382 Jan Smuts Ave, Johannesburg, South Africa ~72: ANOMIEN SMITH;GRAEME WADE LABE~

2024/09022 ~ Complete ~54:METHOD FOR EXTRACTING FLOOD BASED ON FUSION OF OPTICAL AND SAR REMOTE SENSING IMAGES AND SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN, Lianjun;DING, Leixiang;JIANG, Yongtao;LU, Chunyang;MA, Zhanlin;QU, Qianlong;WANG, Limei;WEN, Feng;YIN, Shouqiang~

2024/09027 ~ Complete ~54:NAME PREDICTION SYSTEM ~71:Beijing Tianmixuan Cultural Communication Co., Ltd, Room 1103, 11th Floor, Building 8, Yard 2, Dongshidong 4th Road, Beijing Economic and Technological Development Zone (Tongzhou), Beijing, People's Republic of China ~72: Baojun Yan~

2024/09053 ~ Complete ~54:TABLE TENNIS PLAYING ROBOT FOR SPORTS AND FITNESS ~71:Hainan Medical University, No. 3, Xueyuan Road, Longhua District, Haikou City, Hainan Province, 570000, People's Republic of China ~72: Chen Jicheng;Du Wenshan;Li Xinhua;Ren Cai;Ren Guangbo;Xia Minhui~ 33:CN ~31:2024115389853 ~32:31/10/2024

2024/09057 ~ Complete ~54:TYPE OF AUTOMATIC FEED DEVICE FOR SHEEP FARMING ~71:Guizhou University, No. 2708, Huaxi AvenueHuaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China;Tongliao Scientific Research Institute of Agriculture and Animal Husbandry, Qianjiadian Town, Keerqin District, Tongliao City, Inner Mongolia Autonomous Region, 028000, People's Republic of China ~72: Cheng Qiming;Cheng Tao;Gao Lijuan;Gao Xing;Han Yuguo;Hu Hongzhe;Liu Dianpeng;Shen Jiawen;Wang Haifeng;Wang Zi;Yang Shuai;Zhai Tianhui;Zheng Biaobiao;Zheng Haiying~

2024/09070 ~ Complete ~54:SPATIALIZED AUDIO ENCODING WITH CONFIGURATION OF A DECORRELATION PROCESSING OPERATION ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: LEFORT, Arnaud;RAGOT, Stéphane~ 33:FR ~31:FR2205172 ~32:30/05/2022

2024/09018 ~ Complete ~54:TRANSFER BED FOR GYNECOLOGICAL AFTERLOADING THERAPY ~71:Fujian Cancer Hospital, No. 420 Fuma Road, Jin'an District, Fuzhou, Fujian, 350014, People's Republic of China ~72: BAI Penggang;CHEN Wenjuan;SUN Yang;XIE Xingyun~ 33:CN ~31:202411374918.2 ~32:29/09/2024

2024/09025 ~ Complete ~54:SPECKLE REDUCTION METHOD FOR SAR IMAGES BASED ON FREQUENCY DOMAIN DEEP LEARNING NETWORK ~71:TANGSHAN UNIVERSITY, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China;Tangshan Juchen Environmental Protection

Technology Co., Ltd, No. 152 jianshe North Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: DU Ning;GAN Zhifen;MA Yuqing;ZHAO Xueqing~

2024/09032 ~ Complete ~54:ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI;ROLAND MARKUS HÄNNI~ 33:US ~31:63/130,573 ~32:24/12/2020

2024/09037 ~ Complete ~54:A FACIAL RECOGNITION SYSTEM FOR SMART HOME AUTOMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: BARHATE, Madhuri M.;DHAKE, Harsh;HALBE, Soham;HARALE, Aditi;KOLARKAR, Harsh;NADAR, Hamlin;PATIL, Harsh~

2024/09042 ~ Complete ~54:ELECTRICAL AUTOMATIC PROCESSING APPARATUS ~71:INNER MONGOLIA MINZU UNIVERSITY, No. 536 West Huolinhe Street, Tongliao City, Inner Mongolia, 028000, People's Republic of China ~72: Jiang Mingyang~

2024/09049 ~ Complete ~54:ERGONOMIC SEATING CHAIR OVERCOME THE DISCOMFORT CAUSED BY PROLONGED SITTING ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: MR. DARNA SAI SHASHANK;MR. E. SACHETH MAHIPAL;MR. G. ASHOK;MR. SANTHOSH KUMAR KAMARAPU~ 33:IN ~31:202441068250 ~32:10/09/2024

2024/09068 ~ Complete ~54:A LYOPHILIZED RNA COMPOSITION ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium ~72: BOMBEKE, Iris;BUKARA, Katarina;CHALLIS, Phillip;DAKWAR, George R.;DILLEN, Senne;ESPOSITO, Diletta;KICKOVÁ, Eva;VANDENBERGHE, Sarah;VENDEMIA, Saverio~ 33:EP ~31:22172907.2 ~32:12/05/2022

. - APPLIED ON 2024/11/28 -

2024/09116 ~ Complete ~54:APPLICATION OF ASTRAGALOSIDE IV (ASIV) IN PREPARATION OF DRUGS FOR ALLEVIATING DEOXYNIVALENOL-INDUCED TOXIC INJURY ~71:BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, NO. 9, SHUGUANG GARDEN MIDDLE ROAD, People's Republic of China ~72: LIU, Lin;WANG, Meng;WANG, Xinlu;WANG, Yudan~ 33:CN ~31:2024100988700 ~32:24/01/2024

2024/09120 ~ Complete ~54:MERCAPTIDE MICROEMULSION COLLECTORS FOR MINERAL FLOTATION ~71:ARKEMA INC., 900 First Avenue, United States of America ~72: BUITRAGO, Carlos F.;POLLI, Andrew~ 33:US ~31:63/357,017 ~32:30/06/2022

2024/09122 ~ Complete ~54:INTERVENTIONAL BLOOD PUMP ~71:ROCKETHEART TECHNOLOGY CO. LTD, Workshop B3-04, B3-05, And B3-06, Building 17, No. 80 Haiyun Street, People's Republic of China ~72: DING, Mingqian;FAN, Qinglin;HAN, Zhifu;JING, Pengfei;MA, Hongbin;WANG, Chao;WANG, Xian;ZHANG, Hongqing;ZHANG, Xuman~ 33:CN ~31:202210991439.X ~32:18/08/2022;33:CN ~31:202222177977.3 ~32:18/08/2022

2024/09129 ~ Complete ~54:WOUND CORE ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: MIZUMURA, Takahito;MOGI, Hisashi;TAKAHASHI , Masaru~ 33:JP ~31:2022-100292 ~32:22/06/2022

2024/09281 ~ Complete ~54:MASP-2 INHIBITORS AND METHODS OF USE ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America ~72: CUTSHALL, Neil S.;GAGE, Jennifer Lynn;GOLDSTEIN, Sara Rebecca;KESHIPEDDY, Santosh Kumar;KWON, Do Yeon;LEMUS, Robert

Huerta;LITTLE, Thomas L.;METZ, Markus;NOLLERT VON SPECHT, Peter Kurt;PRICE, Loren Michael;TSOUNG, Jennifer~ 33:US ~31:62/943,622 ~32:04/12/2019

2024/09117 ~ Complete ~54:SURVEILLANCE SYSTEM ~71:MARTHINUS JOHANNES NEL, 33 Memel Street, Wierdapark, Centurion, 0157, South Africa ~72: MARTHINUS JOHANNES NEL~ 33:ZA ~31:2023/08442 ~32:01/09/2023

2024/09078 ~ Complete ~54:ARTIFICIAL WETLAND TREATMENT DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GENG Yanxiang;KANG Haiyan;LI Songya;LIU Biao;LIU Jiahui;MAO Yanli;WANG Le;WANG Linpei;WU Junfeng;YAN Xiaole;YANG Menghan;ZHAO Yanping;ZHU Xinfeng~

2024/09087 ~ Complete ~54:SYSTEM AND METHOD FOR AVOIDING BACTERIA CONTAMINATION DURING INOCULATION BY MICROBIAL FERMENTATION ~71:Suzhou University, Education Park, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Chen Jun;Feng Fan;Peng Lei;Xu Lisheng;Zhao Wenlong~

2024/09096 ~ Complete ~54:METHOD AND SYSTEM FOR DETECTING AND QUANTIFYING CO2 AND ETHYLENE LEVELS IN FRUIT BOXES TO SEGREGATE OVERRIPE OR SPOILED FRUITS ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: DR JAGIRDAR SRINIVAS;DR RAKESH SENGUPTA;DR. DAMARLA. RAMESH BABU~ 33:IN ~31:202441068262 ~32:10/09/2024

2024/09100 ~ Complete ~54:TUNNEL SNOW-PROOF SHED WITH A FULLY AUTOMATIC SNOW REMOVAL DEVICE ~71:CHINA ROAD & BRIDGE CORPORATION, No.88, Anding Menwai Street, Dongcheng District, Beijing, 100000, People's Republic of China;Xi'an University of Architecture and Technology, No.13 Yanta Road, Beilin District, Xi'an, Shaanxi Province, 710055, People's Republic of China ~72: Ang Jiao;Bin Zhi;Changwei Li;Fuyun Wang;Jinglin Tan;Shulin Jiang;Xiaojing Xu;Xiaokun Li;Zhanping Song;Zhuoyu Guo~ 33:CN ~31:2024105346476 ~32:30/04/2024

2024/09106 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE CIGARETTE AND PREPARATION METHOD THEREOF ~71:Ouya Liu, No. 18, Unit 1, Building 6, Zhuquedongfang North District, Beilin District, Xi'an City, Shaanxi Province, People's Republic of China ~72: Ouya Liu~ 33:CN ~31:2024113944931 ~32:08/10/2024

2024/09111 ~ Complete ~54:ISOXAZOLINE COMPOSITIONS AND THEIR USE AS ANTIPARASITICS ~71:Intervet International B.V., P.O. Box 31, Wim de Körverstraat 35, NL-5831 AN Boxmeer, THE NETHERLANDS, Netherlands ~72: HECKEROTH, Anja Regina;LUTZ, Jürgen;MERTENS, Christina;MITA, Takeshi;WILLIAMS, Heike;ZOLLER, Hartmut~ 33:EP ~31:07016152.6 ~32:17/08/2007;33:US ~31:60/956,448 ~32:17/08/2007;33:EP ~31:07150309.8 ~32:21/12/2007;33:US ~31:61/080,444 ~32:14/07/2008

2024/09138 ~ Provisional ~54:LATERINE RESERVOIR ~71:ZWELAKHE WINSTON MAHLANGU, 1731B NTUTHUKO STREET, South Africa ~72: KHAPHI NTOKOZA MAHLANGU;ZWELAKHE WINSTON MAHLANGU~

2024/09077 ~ Complete ~54:MULTIFUNCTIONAL LOGISTICS SORTING DEVICE BASED ON INTERNET OF THINGS ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: DAI, Jinchao;LIU, Yashuang;MA, Shuang;YANG, Li;ZHANG, Huiyan~

2024/09082 ~ Complete ~54:SYSTEM FOR MATCHING HUMAN FACES AND NAMES ~71:Beijing Tianmixuan Cultural Communication Co., Ltd, Room 1103, 11th Floor, Building 8, Yard 2, Dongshidong 4th Road, Beijing Economic and Technological Development Zone (Tongzhou), Beijing, People's Republic of China ~72: Baojun Yan~

2024/09126 ~ Complete ~54:A JAW CRUSHER SERVICE TOOL ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BAXTER, Adam;GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:22180031.1 ~32:21/06/2022

2024/09086 ~ Complete ~54:SCREENING MECHANISM FOR POTATOES ~71:MA, Sai, Ordos Institute of Technology, No.1 East Ordos Street, Kangbashi District, Ordos City, Inner Mongolia Autonomous Region, 017000, People's Republic of China ~72: LI, Fengming;MA, Sai~

2024/09099 ~ Complete ~54:INITIAL SUPPORT FLATNESS CONTROL DEVICE AND CONTROL METHOD THEREOF ~71:China Railway Beijing Engineering Bureau Group First Engineering Co., LTD, No. 259 Hangchuang Road, National Civil Aerospace Industry Base, Xi'an, Shaanxi Province, 710100, People's Republic of China;Xi'an University of Architecture and Technology, No.13 Yanta Road, Beilin District, Xi'an, Shaanxi Province, 710055, People's Republic of China ~72: Chao Xiong;Fei Xie;Hu Chu;Hua Gao;Panpan Li;Penghui Lu;Pengtao Yang;Rui Xu;Shaohua Heng;Xiaohu Yin;Yonggang Wang;Zhanping Song~ 33:CN ~31:2024105831999 ~32:11/05/2024

2024/09110 ~ Complete ~54:ENERGY-EFFICIENT DISTILLATION PROCESS WITH VARIATION OF INFLOW ~71:EVONIK OXENO GMBH & CO. KG, PAUL-BAUMANN-STRASSE 1, 45772 MARL, GERMANY, Germany ~72: OLDEMEYER, Martin;PAUL, Niklas;RIX, Armin, Matthias;SIX, Tanita, Valèrie;STEENWEG, Tanja;WESSNER, Lea~ 33:EP ~31:23213043.5 ~32:29/11/2023

2024/09113 ~ Complete ~54:TRANSACTION PROCESSING SYSTEM WITH DECOMPOSED ARCHITECTURE ~71:Games Global Operations Limited, 55 Athol Street, DOUGLAS IM1 1LA, ISLE OF MAN, Isle of Man ~72: DUKES, Scott Xavier;HARRIS, Matthew John;SMITH, Grant Michael~ 33:US ~31:18/523,161 ~32:29/11/2023

2024/09121 ~ Complete ~54:A GENETIC HEALTH INFORMATION SYSTEM ~71:INTELLIGENE SA (PTY) LTD, ALENTI OFFICE PARK, BUILDING B, 457 WITHERITE ROAD, THE WILLOWS, PRETORIA, 0040, South Africa ~72: HOFFMANN, McElory, Roberto;RIX, Heinrich, Carl, Wilhelm;VERSTER, Mathilde, Elizabeth~ 33:ZA ~31:2022/06137 ~32:02/06/2022

2024/09125 ~ Complete ~54:ADDRESS ALLOCATION METHOD AND APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: WANG, Jian;WANG, Yali;ZHANG, Xudong~

2024/09135 ~ Complete ~54:A PROCESS FOR PRODUCING IRON OXIDE PELLETS ~71:IRON ORE COMPANY OF CANADA, 400-1190 Avenue des Canadiens-de-Montréal, Montréal, Quebec, H3B 0E3, Canada ~72: BLAIR KELLY;JIM THOMPSON;KARIM SELIM~ 33:US ~31:63/514,915 ~32:21/07/2023

2024/09136 ~ Complete ~54:COMPOSITIONS AND METHODS FOR EPIGENETIC REGULATION OF PCSK9 EXPRESSION ~71:CHROMA MEDICINE, INC., 201 Brookline Avenue, Suite 1101, Boston, Massachusetts, 02215, United States of America ~72: ARI FRIEDLAND;FREDERIC TREMBLAY;MARY SHIRLEY MORRISON;MORGAN MAEDER;NOORUSSAHAR ABUBUCKER;VIC MYER~ 33:US ~31:63/337,164 ~32:01/05/2022;33:US ~31:63/337,167 ~32:01/05/2022;33:US ~31:63/355,083 ~32:23/06/2022

2024/09139 ~ Complete ~54:MEDICAMENT FOR TREATMENT OF TRAUMA ~71:Adam Gideon Saul Galgut, 129 Road No. 3, Victory Park, South Africa;Vernon Patrick Mancer, 256 Victoria Street, Germiston, South Africa ~72: Vernon Patrick Mancer ~ 33:ZA ~31:2023/07509 ~32:28/11/2023

2024/09191 ~ Complete ~54:CRICKET BOWLING APPARATUS ~71:BALLISTO CRICKET LTD, 41 Canaan Lane, United Kingdom ~72: Brian CARLING~ 33:GB ~31:2318142.3 ~32:28/11/2023

2024/09132 ~ Complete ~54:SCAFFOLD FOR BUILDING CONSTRUCTION ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JING LI~ 33:CN ~31:202410382348.5 ~32:01/04/2024

2024/09083 ~ Complete ~54:AN ANIMAL DETECTION AND TRAP SYSTEM FOR SMART HOME ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: MR. G. ASHOK;SK THAHERBASHA~ 33:IN ~31:202441068256 ~32:10/09/2024

2024/09090 ~ Complete ~54:METHOD FOR IDENTIFYING PRE-EXISTING STRUCTURES CONTROLLING PORPHYRY METALLOGENIC SYSTEM BASED ON NEURAL NETWORK MODEL ~71:Guizhou University of Engineering Science, No. 1 Xueyuan Road, Qixingguan District, Bijie City, Guizhou Province, 551700, People's Republic of China;Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: HAN, Runsheng;LIU, Fei;REN, Tao;ZHAO, Dong~

2024/09092 ~ Complete ~54:LOCALIZATION METHOD FOR CONCEALED METALLOGENETIC ROCK AND ORE BODY BASED ON ROCK- AND ORE-CONTROLLING PREEXISTING STURCTURAL MODEL ~71:Guizhou University of Engineering Science, No. 1 Xueyuan Road, Qixingguan District, Bijie City, Guizhou Province, 551700, People's Republic of China;Kunming University of Science and Technology, No. 253 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: HAN, Runsheng;LIU, Fei;ZHANG, Yan;ZHAO, Dong~

2024/09137 ~ Provisional ~54:PERFORMANCE BED ~71:GIDEON MPHIKELELI MADUNA, 14 Pretorius Str.LTX., South Africa ~72: GIDEON MPHIKELELI MADUNA~

2024/09089 ~ Complete ~54:FLOATING SHOCK-ABSORBING ELECTRICAL DEVICE FOR ELECTRONIC INFORMATION ENGINEERING ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Du Qiulai;Li Naigen;Peng Xiaojun;Sun Yanping;Xi Jun~

2024/09133 ~ Complete ~54:SUPPORTING DEVICE FOR SUPPORTING LEG OF BRIDGE ERECTING MACHINE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: CHENG LIU~ 33:CN ~31:202410409491.9 ~32:07/04/2024

2024/09084 ~ Complete ~54:AUTONOMOUS AI-POWERED PET CARE SYSTEM ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: L.M.I. LEO JOSEPH;P. GANESAN~ 33:IN ~31:202441068257 ~32:10/09/2024

2024/09091 ~ Complete ~54:ADJUSTING MECHANISM FOR LIFTING SPEED BUMP ~71:Xinyu University, No. 2666, Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Chen Shuping;Hong Yun;Li Qiao;Wu Shudong;Yang Guojun;Yu Longhai~

2024/09103 ~ Complete ~54:METHOD AND SYSTEM FOR ENHANCED SKIN CANCER CLASSIFICATION USING DEEP LEARNING WITH COMPARATIVE ANALYSIS ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: CHAKRADHAR ADUPA;GANDHAM SATHWIKA;GOPALAPURAPU KAMAL;JUNNUTHULA SWATHI;YALAMANCHI SRI HARSHA~ 33:IN ~31:202441068270 ~32:10/09/2024

2024/09108 ~ Complete ~54:ENERGY-EFFICIENT PROCESS FOR SEPARATION OF 1-BUTENE FROM A HYDROCARBON STREAM ~71:EVONIK OXENO GMBH & CO. KG, PAUL-BAUMANN-STRASSE 1, 45772 MARL, GERMANY, Germany ~72: KNOSSALLA, Johannes;LAIBLIN, Tobias;MELLAERTS, Wim;PAUL,

Niklas;PEITZ, Stephan;RIX, Armin, Matthias;SCHRÖDER, Moritz;SIX, Tanita, Valèrie;STEENWEG, Tanja;STOCHNIOL, Guido~ 33:EP ~31:23213045.0 ~32:29/11/2023

2024/09124 ~ Complete ~54:OPERATION PEDAL DEVICE FOR VEHICLE ~71:Toyoda Iron Works Co., Ltd., 4-50, Hosoya-cho, Toyota-shi, AICHI 471-8507, JAPAN, Japan ~72: TSUGUMA, Tomohiro~ 33:JP ~31:2022-092267 ~32:07/06/2022

2024/09128 ~ Complete ~54:RXFP1 MODULATORS FOR TREATING RESISTANT HYPERTENSION OR HEART FAILURE WITH PULMONARY HYPERTENSION ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: CONNOLLY, Kathleen Marie;GABRIELSEN, Anders;GEORGE JR., Richard Thomas;OMAR, Sami Ali Abdel Hafees;UFNAL, Marcin~ 33:US ~31:63/365,971 ~32:07/06/2022

2024/09123 ~ Complete ~54:SARS-COV-2 ANTIBODIES AND METHODS OF USING THE SAME ~71:AstraZeneca UK Limited, 1 Francis Crick Avenue, Cambridge Biomedical Campus, CAMBRIDGE CB2 0AA, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: CAI, YingYun;COHEN, Taylor;DIPPEL, Andrew;FRANCICA, Joe;KAPLAN, Gilad;RAJAN, Saravan~ 33:US ~31:63/336,332 ~32:29/04/2022;33:US ~31:63/371,454 ~32:15/08/2022

2024/09080 ~ Complete ~54:METHOD FOR DETECTING VOCS IN BUILDING DECORATION MATERIALS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DUAN Nannan;LIANG Banglei;TAN Yanfang;WANG Zongtao;XIA Xuelian~

2024/09095 ~ Complete ~54:SEMI-GLOSS ART PAINT WITH HIGH HARDNESS AND UNIVERSAL USE OF MUTIPLE SUBSTRATES AND PREPARATION METHOD THEREFOR ~71:Beixin Jiabaoli Coatings (Guangdong) Co., Ltd., No. 18 Fumian South Road, Duruan Town, Pengjiang District, Jiangmen City, Guangdong 529000, People's Republic of China ~72: CAI, Zhengwei;HU, Hengzhi;PENG, Haoming;WANG, Aolei~ 33:CN ~31:202311612008.9 ~32:28/11/2023

2024/09102 ~ Complete ~54:A POTATO GERMINATION INHIBITOR AND PREPARATION METHOD THEREOF ~71:Beijing Academy of Agriculture and Forestry Sciences, No.9 Middlie Shuguanghuayuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: Dan DONG;Huiling WU;Taotao ZHANG;Ting LIU~

2024/09081 ~ Complete ~54:METHOD FOR CONTROLLING A VEHICLE ~71:VOLKOV Artem Maksimovich, sh. Otkrytoye, d. 14D, kv. 254, Moscow, 107370, Russian Federation ~72: VOLKOV Artem Maksimovich~ 33:RU ~31:2024130483 ~32:10/10/2024

2024/09104 ~ Complete ~54:A SYSTEM FOR MONITORING PARALYSIS PATIENT AND METHOD THEREOF ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: B. GIRIRAJAN;ETOORI MANEESHWARI;PEDDI MEGHANA;PINNINTI RAJESHWAR REDDY;SABEER SHAIK;THOTA DHANUSH;VEMULA RAMU~ 33:IN ~31:202441068269 ~32:10/09/2024

2024/09140 ~ Complete ~54:MEDICAMENT FOR TREATMENT OF TRAUMA ~71:Adam Gideon Saul Galgut, 129 Road No. 3, Victory Park, 2195,, South Africa;Vernon Patrick Mancer, 256 Victoria Street, Germiston, 1401,, South Africa ~72: Vernon Patrick Mancer~ 33:ZA ~31:2023/07509 ~32:28/11/2023

2024/09093 ~ Complete ~54:DRIVE DEVICE FOR HORIZONTAL ROTARY RAKE ~71:LI, Fengming, No. 360, Youpeng Street, Xinshi District, Urumqi City, Xinjiang Uygur Autonomous Region, 830000, People's Republic of China ~72: LI, Fengming;MA, Sai~

2024/09097 ~ Complete ~54:DOSING SYSTEM FOR SHIKAKAI SUSPENSION-BASED FRUIT CLEANING ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: DR. DAMARLA. RAMESH BABU;DR. USHA DESAI~ 33:IN ~31:202441068266 ~32:10/09/2024

2024/09107 ~ Complete ~54:ENERGY-EFFICIENT PROCESS FOR SEPARATION OF 1-BUTENE FROM A HYDROCARBON STREAM USING A HEAT TRANSFER MEDIUM ~71:EVONIK OXENO GMBH & CO. KG, PAUL-BAUMANN-STRASSE 1, 45772 MARL, GERMANY, Germany ~72: KNOSSALLA, Johannes;LAIBLIN, Tobias;MELLAERTS, Wim;PAUL, Niklas;PEITZ, Stephan;RIX, Armin, Matthias;SCHRÖDER, Moritz;SIX, Tanita, Valèrie;STEENWEG, Tanja;STOCHNIOL, Guido~ 33:EP ~31:23213041.9 ~32:29/11/2023

2024/09109 ~ Complete ~54:ENERGY-EFFICIENT PROCESS FOR SEPARATION OF 1-BUTENE FROM A HYDROCARBON STREAM WITH OPTIMIZED VAPOUR COMPRESSION ~71:EVONIK OXENO GMBH & CO. KG, PAUL-BAUMANN-STRASSE 1, 45772 MARL, GERMANY, Germany ~72: FLEISCHER, Vinzenz;PAUL, Niklas;PEITZ, Stephan;RIX, Armin, Matthias;SCHRÖDER, Moritz;SIX, Tanita, Valèrie;STEENWEG, Tanja;STOCHNIOL, Guido;WESSNER, Lea~ 33:EP ~31:23213040.1 ~32:29/11/2023

2024/09114 ~ Complete ~54:MODULATORS OF THR-ß AND METHODS OF USE THEREOF ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DEVAL, Jerome;MCGOWAN, David;RABOISSON, Pierre Jean-Marie Bernard;VANDYCK, Koen~ 33:US ~31:62/845,252 ~32:08/05/2019;33:US ~31:62/944,052 ~32:05/12/2019;33:US ~31:63/005,661 ~32:06/04/2020

2024/09130 ~ Complete ~54:CARDBOARD TRAY ~71:STACKPACK B.V., Sluiskade Noordzijde 82, 7602 HV Almelo, Netherlands ~72: RONALD ZWAGA~ 33:EP ~31:22176509.2 ~32:31/05/2022

2024/09088 ~ Complete ~54:DECORATIVE PLATE WITHOUT REMOVING FORMWORK AND STRUCTURE FOR EXTERIOR WALL OF BUILDING ~71:Chang'an University, Middle-section of Nan'er Huan Road Yanta District, Xi'an City, Shaanxi Province, 710064, People's Republic of China ~72: Ma Siqing~

2024/09112 ~ Complete ~54:SCHEDULER FOR TRANSACTION PROCESSING SYSTEM, AND SYSTEM INCORPORATING SUCH SCHEDULER ~71:Games Global Operations Limited, 55 Athol Street, DOUGLAS IM1 1LA, ISLE OF MAN, Isle of Man ~72: DUKES, Scott Xavier;HARRIS, Matthew John;SMITH, Grant Michael~ 33:US ~31:18/523,143 ~32:29/11/2023

2024/09119 ~ Complete ~54:ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI;ROLAND MARKUS HÄNNI~ 33:US ~31:63/144,740 ~32:02/02/2021

2024/09127 ~ Complete ~54:FAST HYDRATION FORMULATION AND METHODS ~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;SUH, Hyungyu~ 33:US ~31:63/346,470 ~32:27/05/2022

2024/09134 ~ Complete ~54:PORTAL CRANE MOUNTING METHOD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JUNBIAO HE~ 33:CN ~31:202410467521.1 ~32:18/04/2024

2024/09079 ~ Complete ~54:METHOD FOR DETECTING BENZENE SERIES IN ARCHITECTURAL COATINGS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan

Province, People's Republic of China ~72: DUAN Nannan;TAN Yanfang;WANG Zongtao;XIA Xuelian;XU Longyun~

2024/09085 ~ Complete ~54:INTEGRATED IOT-BASED MANAGEMENT SYSTEM FOR ANYTIME WATER KIOSKS ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: B. GIRIRAJAN;GOLLAPELLI RAKESH;KANDUKURI YESHWANTH;PINDIGA BHANU PRAKASH;SANKU SAITEJA~ 33:IN ~31:202441068261 ~32:10/09/2024

2024/09094 ~ Complete ~54:DEVICE FOR GRANULATING BLAST FURNACE SLAG AND METHOD THEREFOR ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: WANG, Lili;XIN, Lijun;YAN, Xiaoli~

2024/09098 ~ Complete ~54:METHOD AND SYSTEM FOR AUTOMATIC CLEANING OF OVERHEAD WATER TANKS ~71:SR UNIVERSITY, ANANTHSAGAR, HASANPARTHY (M), WARANGAL URBAN, TELANGANA - 506371, WARANGAL, India ~72: DR. DAMARLA. RAMESH BABU;DR. M. RAJYA LAXMI~ 33:IN ~31:202441068267 ~32:10/09/2024

2024/09101 ~ Complete ~54:METHOD FOR ESTABLISHING A SLOPE BLASTING PREDICTION MODEL BASED ON THE RF-WOA-ELM MODEL ~71:CHINA ROAD & BRIDGE CORPORATION, No.88, Anding Menwai Street, Dongcheng District, Beijing, 100000, People's Republic of China;Xi'an University of Architecture and Technology, No.13 Yanta Road, Beilin District, Xi'an, Shaanxi Province, 710055, People's Republic of China ~72: Cong Chen;Haoyu Wang;Huace Tao;Huixing Li;Jiefeng Zhang;Jing Zhang;Ruiping Ma;Xu Li;Zhanping Song~ 33:CN ~31:2024103355659 ~32:22/03/2024

2024/09105 ~ Complete ~54:A NOVEL BIOFERTILIZER FOR PSEUDOSTEM AND PROCESS THERE OFF ~71:Nagaland University, Lumami Headquarters, Zunheboto district, Nagaland, Nagaland, 798627, India ~72: Chitta Ranjan Deb;Thejano Ngullie~ 33:IN ~31:202431028203 ~32:05/04/2024

2024/09115 ~ Complete ~54:MIXED METAL ANTI-THEFT SERVICE CONNECTION 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~

2024/09118 ~ Complete ~54:AUTOMATIC ASSEMBLY LINE WITH EXTERNAL HOT PRESSING ~71:SICHUAN HANHAI PRECISION MANUFACTURING CO., LTD., Yuhua Street, Industrial New Town, Huaying, Guang 'an, Sichuan 638600, People's Republic of China ~72: WENYUAN LIN~ 33:CN ~31:202410815092.2 ~32:24/06/2024

2024/09131 ~ Complete ~54:QUICK-DISMOUNTING SCAFFOLD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: YAN DONG~ 33:CN ~31:202410382327.3 ~32:01/04/2024

. - APPLIED ON 2024/11/29 -

2024/09185 ~ Complete ~54:RUBBER TUBE FOR PHYSICAL FITNESS ~71:HUNAN JIANLEMEI SPORTING GOODS CO., LTD, Honghuayuan Industrial Park, Xupu County, Huaihua, Hunan, 419300, People's Republic of China ~72: DAI, Yongqiu~ 33:CN ~31:202411453957.1 ~32:17/10/2024

2024/09141 ~ Provisional ~54:METHOD OF AND SYSTEM FOR ASSISTING AND INCENTIVISING A SALES AGENT ~71:SUPER CELLUTIONS (PTY) LTD t/a IGNITE, First Floor Euro Centre, 363 Rivonia Boulevard, Rivonia, Sandton 2191, Gauteng, SOUTH AFRICA, South Africa ~72: BARRAS, Salvatore Diego;DE

CARVALHO, Nelson;FUTCHER, Bronwynn;JACOB, Ibrahim;KRUGER, Dawid Tobias;NENGOBELA, Philton;SINGH, Satish Kumar;STRIKE, Timothy Alan~

2024/09145 ~ Provisional ~54:RESEALABLE BEVERAGE CAN WITH ROTATIONAL LOCKING MECHANISM ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/09150 ~ Complete ~54:LUGGAGE SYSTEM AND LUGGAGE SEPARATOR ~71:FAYARD, Filia, 1 Kitale Close, Sunninghill Ext 2, Sunninghill Ext. 2, Sandton 2157, Gauteng, SOUTH AFRICA, South Africa ~72: FAYARD , Tristan;FAYARD, Filia~ 33:ZA ~31:2024/01385 ~32:15/02/2024

2024/09153 ~ Complete ~54:REMOTE SENSING FINE EXTRACTION METHOD FOR SURFACE WATER IN AFRICA BASED ON GLI-MFUNET ~71:Hohai University, No. 8 Focheng West Road, Jiangning District, Nanjing City, Jiangsu Province, 211100, People's Republic of China ~72: Han DING;Meiyun LAI;Simin CHU;Xiuhui LIU;Ying GE;Yong LI;Zhenrong GU~ 33:CN ~31:2024113392870 ~32:25/09/2024

2024/09158 ~ Complete ~54:METAL, CERAMIC, OR CERAMIC-COATED TRANSACTION CARD WITH WINDOW OR WINDOW PATTERN AND OPTIONAL BACKLIGHTING ~71:COMPOSECURE, LLC, 500 Memorial Drive, Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE;JOHN ESAU~ 33:US ~31:16/751,285 ~32:24/01/2020

2024/09165 ~ Complete ~54:SOLAR TRACKER SYSTEMS AND METHODS INCLUDING A RAIL ASSEMBLY ~71:FTC Solar, Inc., 9020 N. Capital of Texas Highway, Building 1, Suite 260, AUSTIN 78759, TX, USA, United States of America ~72: CHERUKUPALLI, Nagendra Srinivas;KAREEM, Sait Abdul;MOUNIANDY, Tamilarasan;SHANMUGASUNDARAM, Rajesh;SUBBARAYAN, Baskaran~ 33:US ~31:63/364,391 ~32:09/05/2022;33:US ~31:63/378,209 ~32:03/10/2022;33:US ~31:18/058,392 ~32:23/11/2022

2024/09180 ~ Complete ~54:HIGH-BAY WAREHOUSE FOR EMPTY CONTAINERS ~71:AMOVA GMBH, Wiesenstrasse 30, Germany ~72: Bernd BÜDENBENDER;Volker BRÜCK~ 33:DE ~31:10 2022 117 327.5 ~32:12/07/2022

2024/09190 ~ Complete ~54:SOIL SAMPLE PROCESSING METHODS AND TOOLS ~71:AGRICARBON UK LIMITED, Star Inn, Invergowrie, Dundee DD2 5EJ, United Kingdom ~72: BYRON VAN DUEN;JAKE GILLESPIE;MATTHEW LAW;STEWART ARBUCKLE~ 33:GB ~31:2208485.9 ~32:09/06/2022

2024/09144 ~ Provisional ~54:SODIUM HYPOCHLORITE STABILIZATION ~71:NUVEST RECOVERY SOLUTIONS (PTY) LTD, 65 Philip Engelbrecht Dr, Meyersdal, 1448, South Africa ~72: ARTHUR PRETORIUS;IAN TUNNICLIFFE~

2024/09146 ~ Provisional ~54:RESEALABLE BEVERAGE CAN V1 ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/09155 ~ Complete ~54:VISUAL ONE LUNG VENTILATION CATHETER ~71:Hunan Cancer Hospital, No. 582, Xianjia Lake, Yuelu District, Changsha City,, Hunan Province, 410205, People's Republic of China ~72: Hao PENG;Jianghong ZHAO;Li GAN;Shuangfa ZOU~ 33:CN ~31:2024115698522 ~32:05/11/2024

2024/09166 ~ Complete ~54:ORTHOPEDIC INSTRUMENTS AND METHODS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: AITKEN, Makenna;ALBAYYAT, Mansour Adel;BRINKER, Laura Zagrocki;COMBS, Tai James;DOGUÉ, Joseph;MARTIN, Brandon Michael;SCHMIDT, Michael;SEKHADIA, Deip Ashok~ 33:US ~31:63/363,963 ~32:02/05/2022

2024/09173 ~ Complete ~54:COMBINATIONS OF RXFP1 MODULATORS AND SGLT2 INHIBITORS ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: CONNOLLY, Kathleen Marie;GABRIELSEN, Anders;PETTERSEN, Daniel Tor;UFNAL, Marcin~ 33:US ~31:63/365,969 ~32:07/06/2022

2024/09175 ~ Complete ~54:BEVERAGE DEGASSING ASSEMBLY AND METHOD OF DEGASSING A BEVERAGE ~71:Mayborn (UK) Limited, Mayborn House, Balliol Business Park, NEWCASTLE UPON TYNE NE12 8EW, TYNE AND WEAR, UNITED KINGDOM, United Kingdom ~72: CLARK, Liam George;JERVIS, Robert Kenneth Alexander~ 33:GB ~31:2208543.5 ~32:10/06/2022

2024/09183 ~ Complete ~54:COMPOSITION AND METHOD ~71:OPTIMUS SALVUS LIMITED, 3 Bedlam Court, Office Suite 3 Montarik Building, United Kingdom ~72: STABLER, Peter Joseph;STOLOFF, Gregory Alan~ 33:GB ~31:2208130.1 ~32:01/06/2022

2024/09188 ~ Complete ~54:APPARATUS AND METHOD FOR REDUCING OXIDATION OF REAGENTS IN A REAGENT CARTRIDGE ~71:ILLUMINA, INC., 5200 Illumina Way, San Diego, California, 92122, United States of America ~72: ANDRA POSTU;CHRISTOPHER PHANEUF;CHRISTOPHER SIP;EMERICO BREWER;MICHAEL CHESNEY;PRITHVIJIT MUKHERJEE;ROBERT JENKINS;SANKET RATHORE;STEPHANIE OGREY;ZHISHAN HUA~ 33:US ~31:63/456,074 ~32:31/03/2023

2024/09189 ~ Complete ~54:METHOD AND PLANT FOR MANUFACTURING A SECONDARY PACKAGING ACCORDING TO THE BOD LOGIC ~71:VOIDLESS S.R.L., Via Pietro Paleocapa 6, 20121 Milano MI, Italy ~72: CARLO VILLANI;DANIEL KAIDANOVIC;GUGLIELMO FRANCO RIVA;MATTIA BERTOLANI~ 33:IT ~31:102022000011477 ~32:31/05/2022

2024/09142 ~ Provisional ~54:REBREATHE RESPIRATORY RELIEF ~71:paul jarredd black, 15 dunker street , melkbosstrand, 7441, South Africa ~72: paul jarredd black~

2024/09147 ~ Provisional ~54:RESEALABLE BEVERAGE CAN V2 ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/09148 ~ Provisional ~54:RESEALABLE BEVERAGE CAN V3 ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/09152 ~ Complete ~54:METHOD FOR TREATING AQUACULTURE WASTEWATER AND UTILIZATION METHOD OF WASTE FROM AQUACULTURE WASTEWATER ~71:SHANGHAI ACADEMY OF AGRICULTURAL SCIENCES, No. 1000, Jinqi Road, Fengxian District, Shanghai, People's Republic of China ~72: HUANG, Weiwei;LV, Weiwei;YANG, Hang;YUAN, Quan;ZHANG, Yuning;ZHOU, Wenzong~

2024/09159 ~ Complete ~54:ULTRASONIC DETECTION SYSTEM AND METHOD ~71:METSO FINLAND OY, Rauhalanpuisto 9 02230 Espoo, Finland ~72: CECILIA JONSSON;NICLAS HÄLLEVALL~ 33:EP ~31:PCT/EP2017/062131 ~32:19/05/2017

2024/09162 ~ Complete ~54:OPERATION OF A TRAILING CABLE ~71:Innomotics GmbH, Vogelweiherstrasse 1-15, NÜRNBERG 90441, GERMANY, Germany ~72: DE BONI, Cristiano;GAEBELE, Markus;JUNGFER, Helmar;SCHINDLER, Thomas;TURCATI, Andrea~ 33:EP ~31:22176480.6 ~32:31/05/2022

2024/09164 ~ Complete ~54:ANTI-BDCA2 ANTIBODY AND USE THEREOF ~71:Duality Biologics (Suzhou) Co., Ltd., Unit 301, Building 3, Zone B, Biomedical Industrial Park Phase 3, No. 99, Jingu Road, Suzhou Industrial Park, SUZHOU 215000, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: HUA, Haiqing;LI, Jian;LI, Xi;ZHU, Zhongyuan~ 33:CN ~31:202210599888.X ~32:25/05/2022;33:CN ~31:202211318610.7 ~32:26/10/2022

2024/09171 ~ Complete ~54:METHOD AND SYSTEM FOR BALLISTIC SPECIMEN CLUSTERING ~71:Forensic Technology (Canada) Inc., 800 boulevard Hymus, 4e étage, SAINT-LAURENT H4S 0B5, QUÉBEC, CANADA, Canada ~72: BEAUCHAMP, Alain;LEVESQUE, Serge;ROBERGE, Danny~ 33:US ~31:63/346,927 ~32:30/05/2022

2024/09178 ~ Complete ~54:MODULATORS OF G PROTEIN-COUPLED RECEPTOR 88 ~71:Acadia Pharmaceuticals Inc., 12830 El Camino Real, Suite 400, SAN DIEGO 92130, CA, USA, United States of America ~72: MURRAY, Fraser;QUIBELL, Martin;SCHULZ-UTERMOEHL, Tim~ 33:GB ~31:2209193.8 ~32:22/06/2022

2024/09181 ~ Complete ~54:ROD HANDLING SYSTEM FOR A DRILLING RIG ~71:TRIBE TECHNOLOGY GROUP LIMITED, 7B Enterprise Way, Mallusk, Australia ~72: GORIJALA, Sirish;KING, James Charles Osborne;SCOTT, Lee;SMITH, Ivan~ 33:GB ~31:2208007.1 ~32:31/05/2022

2024/09182 ~ Complete ~54:CATALYST SUPPORT SYSTEM FOR AMMONIA OXIDATION BURNERS ~71:CASALE SA, Via Giulio Pocobelli 6, Switzerland ~72: PANZERI, Nicola;PEDON, Flavio;REDAELLI, Luca~ 33:EP ~31:22176973.0 ~32:02/06/2022

2024/09186 ~ Complete ~54:METHOD FOR IDENTIFYING DEMENTIA WITH LEWY BODIES IN A SUBJECT ~71:ADMIT THERAPEUTICS SL, C. Joan XXIII, 10, 08950, Esplugues De Llobregat, Spain ~72: BARRACHINA CASTILLO, Marta;BLANCH LOZANO, Marta;MOSQUERA MAYO, Jose Luis~ 33:EP ~31:22382637.1 ~32:04/07/2022

2024/09143 ~ Provisional ~54:WET FLOOR WARNING SIGN AND METHOD OF OPERATION ~71:Neill Human, 11 Maggie Laubser, South Africa ~72: Neill Human~

2024/09160 ~ Complete ~54:ANTI-CD154 ANTIBODIES AND USES THEREOF ~71:TONIX PHARMA LIMITED, 56 Ftzwilliam Square North, Dublin 2, D02 X224, Ireland ~72: SETH LEDERMAN~ 33:US ~31:62/869,489 ~32:01/07/2019;33:US ~31:63/018,123 ~32:30/04/2020

2024/09161 ~ Complete ~54:CONTAINER SYSTEM WITH DETACHABLE LID, AND RELATED PARTS AND METHODS ~71:CHEP TECHNOLOGY PTY LIMITED, Level 29, 255 George Street, Australia ~72: ASENSIO COTILLAS, Luis;BAZ Y BAZ, Alfonso;LOPEZ URAN, Daniel~ 33:GB ~31:2208054.3 ~32:31/05/2022

2024/09170 ~ Complete ~54:A SYSTEM AND METHOD FOR COMPARTMENTALIZED INGREDIENTS FOR A LIQUID PHARMACEUTICAL FORMULATION ~71:KoDiscovery, LLC, 701 East Pratt Street, BALTIMORE 21202, MD, USA, United States of America ~72: KO, Young Hee~ 33:US ~31:63/337,573 ~32:02/05/2022

2024/09172 ~ Complete ~54:COMPOSITIONS CONTAINING L-CARNITINE AND SEAWEED EXTRACT FOR MITIGATING ABIOTIC STRESS IN PLANTS ~71:Acadian Seaplants Limited, 30 Brown Avenue, DARTMOUTH B3B 1X8, NOVA SCOTIA, CANADA, Canada ~72: FOWLER, Rachel;HAINES, Robbie;PRESCOTT, Frank;SHIELL, Kevin;VAN DER ZWAN, Timo~ 33:GB ~31:2206679.9 ~32:06/05/2022

2024/09174 ~ Complete ~54:METHOD AND SYSTEM FOR RECOVERY OF ELECTRODE METALS FROM SPENT LITHIUM ION BATTERIES ~71:AGR Lithium Inc., 2700 Post Oak Blvd, Suite #2100, HOUSTON 77056, TX, USA, United States of America ~72: CHADHA, Nishchay;NAIK, Amol;SINGH, Rupesh;TYAGI, Vipin~ 33:US ~31:63/342,422 ~32:16/05/2022;33:US ~31:63/392,290 ~32:26/07/2022

2024/09176 ~ Complete ~54:INORGANIC WATER-SOLUBLE BINDER SYSTEM ~71:Foseco International Limited, 1 Midland Way, Central Park, BARLBOROUGH LINKS S43 4XA, DERBYSHIRE, UNITED KINGDOM, United Kingdom ~72: HAANAPPEL, Vincent~ 33:EP ~31:22177923.4 ~32:08/06/2022

2024/09187 ~ Complete ~54:NOVEL INDENONE DERIVATIVES AND USES THEREOF ~71:AMYLOID SOLUTION INC., #601, 58 Pangyo-ro 255beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13486, Republic of Korea ~72: HYE JU KIM;SEONG MUK KIM~ 33:KR ~31:10-2022-0079766 ~32:29/06/2022;33:KR ~31:10-2023-0084280 ~32:29/06/2023

2024/09151 ~ Complete ~54:DYNAMIC COOLING OF A METALLURGICAL FURNACE ~71:Systems Spray-Cooled, Inc., 877 Seven Oaks Blvd., Suite 500, SMYRNA 37167, TN, USA, United States of America ~72: FERGUSON, Scott A.;WARD, Troy D.;WILSON, Logan A.~ 33:US ~31:16/154,345 ~32:08/10/2018

2024/09154 ~ Complete ~54:PROCESSING DEVICE AND PROCESSING TECHNOLOGY OF BLACK CARP FEED ~71:HUZHOU UNIVERSITY, No. 759 East 2nd Ring Road, WuXing District, Huzhou, Zhejiang, People's Republic of China ~72: Chenglong WU;Jinjing ZHANG;Songting YANG;Yuanyuan ZHANG~ 33:CN ~31:2024115804818 ~32:07/11/2024

2024/09157 ~ Complete ~54:FREQUENCY-BAND-EXPANSION POROUS MATERIAL LAYER SOUND ABSORBER AND DESIGN METHOD THEREOF ~71:Xinjiang Institute of Engineering, 1350 Aidinghu Road, Economic and Technological Development Zone (Toutunhe District), Urumqi, Xinjiang, People's Republic of China ~72: FAN Xiaochao;LI Xin;QI Changxin;WANG Gang;WANG Yingchao;YIN Shaowu~

2024/09177 ~ Complete ~54:MODULATORS OF G PROTEIN-COUPLED RECEPTOR 88 ~71:Acadia Pharmaceuticals Inc., 12830 El Camino Real, Suite 400, SAN DIEGO 92130, CA, USA, United States of America ~72: MURRAY, Fraser;QUIBELL, Martin;SCHULZ-UTERMOEHL, Tim~ 33:GB ~31:2209195.3 ~32:22/06/2022

2024/09179 ~ Complete ~54:METAL CORE COATED WITH PLASTIC LINING HAVING COPPER OXIDE NANOPARTICLES ~71:Industrias Chilenas de Alambre Inchalam S.A., Avenida Gran Bretaña No 2675, TALCAHUANO, CHILE, Chile ~72: CEA WINKLER, Gonzalo Armando;SAAVEDRA CASTALDINI, Álvaro Francisco~ 33:CL ~31:1212-2022 ~32:09/05/2022

2024/09184 ~ Complete ~54:MODULAR RELAY STRUCTURE HAVING HIGH UNIVERSALITY AND HIGH COMPATIBILITY FOR PARTS ~71:MINGGUANG XINDA ELECTRONICS CO., LTD, 20 Zhongning Road, Mingguang, Chuzhou, Anhui, 239400, People's Republic of China ~72: ZONG, Bin~ 33:CN ~31:202211044170.0 ~32:30/08/2022

2024/09168 ~ Complete ~54:METHOD OF CONTROLLING NEMATODES ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER-SHEVA 8410001, ISRAEL, Israel ~72: GANESH GURAV, Shrikant;LUIZ DE OLIVEIRA NETO, Norberto;VENTURA LOVATO, Bruno~ 33:IN ~31:202211031741 ~32:02/06/2022

2024/09169 ~ Complete ~54:HYBRID MACHINE LEARNING ARCHITECTURE AND ASSOCIATED METHODS ~71:Thales Nederland B.V., Zuidelijke Havenweg 40, HENGELO NL-7554 RR, THE NETHERLANDS, Netherlands ~72: JANSEN, Lennard;MIGNET, Franck;PAVLIN, Gregor~ 33:NL ~31:2032026 ~32:31/05/2022

2024/09149 ~ Provisional ~54:QUANTUM VULNERABILITY ASSESSMENT TOOL FOR CRYPTOGRAPHIC SECURITY ~71:Doyen Cyber (Pty) Ltd, 87 Mount Street Manor, Unit 10, South Africa ~72: Noorunnisha Mohammad~

2024/09156 ~ Complete ~54:VISUAL ORAL FLAP POSTOPERATIVE BLOOD FLOW DETECTION PEN ~71:Hunan Cancer Hospital, No. 582, Xianjia Lake,, Yuelu District, Changsha City, Hunan Province, 410205, People's Republic of China ~72: Hailin ZHANG;Hong CHEN;Keying JIANG;Limin QING;Meijun OU;Wenxiao HUANG;Xiaohua SONG~ 33:CN ~31:2024228208122 ~32:19/11/2024

2024/09163 ~ Complete ~54:PRECISION APPLICATION DEVICES AND COMPOSITIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: CALDWELL, Simon James;PENFOLD, Nicholas Jonathan William;SEVASTOS, Apostolos;TAYLOR, Philip~ 33:GR ~31:20220100542 ~32:07/07/2022;33:GB ~31:2216335.6 ~32:03/11/2022

2024/09167 ~ Complete ~54:METHODS OF USING A GCG/GLP1 CO-AGONIST FOR THERAPY ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: NI, Wei;ROBINS, Deborah Ann;THAM, Lai San;THOMAS, Melissa Kay~ 33:US ~31:63/347,834 ~32:01/06/2022

. - APPLIED ON 2024/12/02 -

2024/09214 ~ Complete ~54:A MACHINE LEARNING SYSTEM FOR CRICKET WIN PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JADHAV, Sahil;JADHAV, Sanika;JADHAV, Sarvesh;JADHAV, Shivendra;JADHAV, Shreyash;TELSANG, Supriya Shrikant~

2024/09227 ~ Complete ~54:IMIDAZOPYRIDAZINE SUBSTITUTED BENZENE RING DERIVATIVE, PREPARATION METHOD, PHARMACEUTICAL COMPOSITION AND USE ~71:SHANGHAI SIMR BIOTECHNOLOGY CO., LTD, No. 26, Lane 100, Banxia Road, Shanghai International Medical Park, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: FEI WANG;NANYANG CHEN;YONG SUN~ 33:CN ~31:202210542611.3 ~32:10/05/2022

2024/09196 ~ Complete ~54:A STRAIN OF LACTOBACILLUS PLANTARUM QL01 WITH ANTIOXIDANT CAPACITY AND ITS APPLICATION ~71:LANZHOU UNIVERSITY, No. 222 South Road Tianshui, R.D., Chengguan District, Lanzhou, People's Republic of China ~72: Diyan WU;Runtong CHEN;Ruochen WANG;Xuan WANG;Ying ZHANG;Zhenchuang TANG~ 33:CN ~31:2024114079578 ~32:10/10/2024

2024/09199 ~ Complete ~54:BLENDED HIGH-DENSITY FLAME-RETARDANT FABRIC, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Engineering, No.1, Xianghe Road, Xinzheng Longhu, Zhengzhou City, Henan Province, 451191, People's Republic of China;JIHUA 3542 TEXTILE CO., LTD., Huopai Textile Industrial Park, Xiangzhou District, Xiangyang City, Hubei Province, 441116, People's Republic of China;Wuhan Textile University, No. 1, Fangzhi Road, Hongshan District, Wuhan City, Hubei Province, 430074, People's Republic of China;Xinxing Jihua (Shanghai) Engineering Research Institute Co., Ltd., Room A027, 2nd Floor, Building 29, No. 1, Lane 618, Dingyuan Road, Songjiang District, Shanghai, 201600, People's Republic of China;Xinxing Jihua Inspection and Testing (Beijing) Co., Ltd., Room 128, 1st Floor, Building B, Xinhua Innovation and Entrepreneurship Park, No. 8 Liuquan West Road, Huaxiang, Fengtai District, Beijing, 100000, People's Republic of China ~72: FAN, Yonggang;FENG, Xiangwei;LI, Mengxiang;PENG, Zhilong;REN, Sen;TANG, Hao;TANG, Jiandong;XIA, Zhigang;ZHAO, Pengfei;ZHENG, Minbo~

2024/09202 ~ Complete ~54:DESERTIFICATION MONITORING METHOD AND SYSTEM, AND ELECTRONIC DEVICE AND MEDIUM ~71:Inner Mongolia University, No. 24 Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010021, People's Republic of China ~72: HAN, Peng;XU, Xue;ZHANG, Qing;ZHAO, Yanyun~ 33:CN ~31:202311844160.X ~32:27/12/2023

2024/09211 ~ Complete ~54:A MACHINE LEARNING SYSTEM FOR DISEASE PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: BARHATE, Madhuri M.;HEDA, Krishna;HEPAT, Omkar;HEREKAR, Ishan;HIRAVE, Avishkar;HOTE, Gaurav;MAIKAP, Hritesh~

2024/09219 ~ Complete ~54:A SYSTEM FOR REDUCTION OF SINGLE USE PLASTIC WASTE THROUGH REFILL STATIONS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira

Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: ANTAD, Sonali Mallinath;KECHE, Vedant;KEDARI, Parth;KEKAN, Swarup;KENJALE, Shrishti;KESKAR, Aarya;KHADE, Anjali~

2024/09224 ~ Complete ~54:A WEB-BASED SYSTEM FOR MATHEMATICAL ANIMATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHAWARTHI, Amruta;HARSHEY, Karan;KAPUSKARI, Onkar;KARANDE, Prathamesh;KARANDIKAR, Soham;KARDE, Pratik;KARMALKAR, Apoorv~

2024/09197 ~ Complete ~54:A TRACTION DEVICE FOR MINIMALLY INVASIVE TREATMENT OF GASTROINTESTINAL TUMORS ~71:QuZhou People's Hospital(The Central Hospital Of Qu Zhou), No. 100, Minjiang Avenue, Kecheng District, Quzhou City, Zhejiang Province, People's Republic of China ~72: Yan Jingyi;Yu Chun;Zhou Chun~

2024/09216 ~ Complete ~54:SUPPORT TOOLING, SUPPORT ASSEMBLY, TRANSPORTATION SYSTEM, TRANSPORTATION METHOD, WIND FARM, WIND GENERATING SET ~71:Jiangsu Goldwind Science & Technology Co., Ltd., No.5 Jinhai Road, Economic & Technological Development Zone, Dafeng District, YANCHENG 224100, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: BAO, Jiyou;WANG, Peng;YANG, Guangdong~ 33:CN ~31:202411233129.7 ~32:03/09/2024;33:CN ~31:202422157964.9 ~32:03/09/2024;33:CN ~31:202422158765.X ~32:03/09/2024;33:CN ~31:202422158782.3 ~32:03/09/2024

2024/09230 ~ Complete ~54:METHOD OF USING AN ALUMINA IN A MOLYBDENUM/TECHNETIUM-99M GENERATOR ~71:BWXT ISOTOPE TECHNOLOGY GROUP, INC., 800 Main St, Lynchburg, Virginia, 24504, United States of America ~72: BENJAMIN ISAIAH BISHOP;BRYAN BLAKE WIGGINS;CHRISTOPHER SEAN FEWOX;TIMOTHY A POLICKE~ 33:US ~31:63/348,613 ~32:03/06/2022;33:US ~31:18/204,049 ~32:31/05/2023

2024/09234 ~ Complete ~54:CRYSTALLINE FORMS OF (5S)-3-[3-(3-CHLORO-2-FLUOROPHENOXY)-6-METHYLPYRIDAZIN-4-YL]-5-(2-CHLORO-4-METHYLBENZYL)-5,6-DIHYDRO-4H-1,2,4-OXADIAZINE ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: FAERS, Malcolm Andrew;KEIL, Birgit;NICOLAS, Lionel;OLENIK, Britta;SCHENCK, Tristan~ 33:EP ~31:22171399.3 ~32:03/05/2022

2024/09205 ~ Complete ~54:MYCOPLASMA MUTANT STRAIN AND PREPARATION METHOD THEREFOR, AND APPLICATIONS ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22 Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia, 010031, People's Republic of China ~72: BAI, Fan;DAI, Lingli;DALAI, Baolige;LI, Xuefeng;QIAN, Linna;SONG, Yue;WANG, Fengwu;WANG, Na;YANG, Bin;ZHANG, Fan;ZHANG, Yuemei~ 33:CN ~31:202410931671.3 ~32:12/07/2024

2024/09209 ~ Complete ~54:TEMPERATURE AND HUMIDITY SENSOR FOR WIND TURBINE GENERATOR SYSTEM, AND TESTING SYSTEM ~71:BEIJING RETEC NEW ENERGY TECHNOLOGY CO., LTD., Rooms 1201 to 1208, 12th Floor, Building 10, Yard 88, Liuxiang Road, Fengtai District, Beijing 100079, People's Republic of China ~72: CHENHUI YANG;HAIFENG WU;JINGPO ZHANG;JUN SONG;SHAOKUN CHEN;XIANYANG WANG;ZONGTAO YUAN~ 33:CN ~31:202311714750.0 ~32:13/12/2023

2024/09228 ~ Complete ~54:CONTAINER WITH HANDLE AND LATCHING SYSTEM ~71:YETI COOLERS, LLC, 7601 Southwest Parkway, Austin, Texas, 78735, United States of America ~72: ANDREW J WINTERHALTER;ELIZABETH RUCHTE;LIZA MORRIS;MARK D MILLER;NICHOLAS JAMES LOMBARDI;STEVEN M SCOTT~ 33:US ~31:17/835,849 ~32:08/06/2022

2024/09233 ~ Complete ~54:USE OF (5S)-3-[3-(3-CHLORO-2-FLUOROPHENOXY)-6-METHYLPYRIDAZIN-4-YL]-5-(2-CHLORO-4-METHYLBENZYL)-5,6-DIHYDRO-4H-1,2,4-OXADIAZINE FOR CONTROLLING

UNWANTED MICROORGANISMS ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: GEIST, Julie;MEISSNER, Ruth;MONTAGNE, Cyril;NICOLAS, Lionel;TAFFOREAU, Sylvain;THOMAS, Vincent~ 33:EP ~31:22171420.7 ~32:03/05/2022

2024/09360 ~ Complete ~54:PURIFICATION METHOD FOR PRODUCING A POLYOLEFIN REGENERATE ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Michael HEYDE~ 33:CH ~31:CH000568/2022 ~32:12/05/2022

2024/09193 ~ Provisional ~54:BLAST PACK AND BLASTING METHOD ~71:DAVIS, Dustin, Michael, UNIT 17 HIGHVELD MEWS, 9 TEGEL AVENUE, HIGHVELD, CENTURION 0157, SOUTH AFRICA, South Africa ~72: DAVIS, Dustin, Michael~

2024/09198 ~ Complete ~54:MODIFIED ARAMID FIBER FABRIC, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Engineering, No.1, Xianghe Road, Xinzheng Longhu, Zhengzhou City, Henan Province, 451191, People's Republic of China;JIHUA 3542 TEXTILE CO., LTD., Huopai Textile Industrial Park, Xiangzhou District, Xiangyang City, Hubei Province, 441116, People's Republic of China;Xinxing Jihua (Beijing) Engineering Technology Research Institute Co., Ltd, Room 306, Building 26, Zone 4, Fangqunyuan, Fengtai District, Beijing, 100078, People's Republic of China;Xinxing Jihua Inspection and Testing (Beijing) Co., Ltd., Room 128, 1st Floor, Building B, Xinhua Innovation and Entrepreneurship Park, No. 8 Liuquan West Road, Huaxiang, Fengtai District, Beijing, 100000, People's Republic of China ~72: CHEN, Keyan;FENG, Xiangwei;LI, Mengxiang;LI, Ying;LIU, Wei;PENG, Zhilong;REN, Sen;TANG, Hao;TANG, Jiandong;WANG, Shen~

2024/09204 ~ Complete ~54:INTEGRATED SEWAGE TREATMENT DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Deming;HE Yali;LI Lei;LI Songya;WANG Bianran;WANG Linpei;ZHANG Yifan~

2024/09208 ~ Complete ~54:KIDNEY TRANSPLANT PATIENT POSTOPERATIVE MANAGEMENT SYSTEM FOR NURSING ASSISTANCE ~71:Zhongshan City People’s Hospital, No. 2, Sunwen East Road, Zhongshan, Guangdong, People's Republic of China ~72: Chaoyang Gong;Decheng Deng;Defang Li;Dongxia Du;Longjiao Zou;Meichan Ye;Xing Zhu~

2024/09213 ~ Complete ~54:A HOME AUTOMATION SYSTEM WITH MULTIPLE CONTROL ACCESS USING IOT AND RTC MODULE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JADHAV, Nilesh;JADHAV, Pratik;JADHAV, Prithviraj;JADHAV, Prithviraj;JADHAV, Ravindra;JADHAV, Ritesh;TELSANG, Supriya Shrikant~

2024/09217 ~ Complete ~54:TRANSPORTATION SUPPORT SYSTEM, TRANSPORTATION METHOD, WIND FARM AND WIND GENERATING SET ~71:Jiangsu Goldwind Science & Technology Co., Ltd., No.5 Jinhai Road, Economic & Technological Development Zone, Dafeng District, YANCHENG 224100, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: BAO, Jiyou;WANG, Peng;YANG, Guangdong~ 33:CN ~31:202411233887.9 ~32:03/09/2024;33:CN ~31:202422157944.1 ~32:03/09/2024;33:CN ~31:202422157956.4 ~32:03/09/2024;33:CN ~31:202422157970.4 ~32:03/09/2024;33:CN ~31:202422158798.4 ~32:03/09/2024

2024/09220 ~ Complete ~54:AN ALCOHOL DETECTION SYSTEM WITH ALERT NOTIFICATION FOR PREVENTION OF ROAD ACCIDENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: BHAWARTHI, Amruta Amol;KATEPALLEWAR, Prathmesh;KATHAR, Vallabh;KATKAR, Maitrey;KATORE, Abhishek;KATURE, Soham;KAULWAR, Ajinkya~

2024/09229 ~ Complete ~54:COMPOUNDS, COMPOSITIONS, AND METHODS OF USING THEREOF ~71:SIONNA THERAPEUTICS INC., 21 Hickory Drive, Suite 500, Waltham, Massachusetts 02451, United States of America ~72: GREGORY HURLBUT;JOHN E MACOR;JUNKAI LIAO;MARK MUNSON;ZHONGLI GAO~ 33:US ~31:63/350,970 ~32:10/06/2022

2024/09195 ~ Provisional ~54:GOAL VISUALISATION TOOL ~71:MARKON WORLDWIDE (PTY) LTD, Plot 260, 55 Sea Cottage Drive, South Africa ~72: KESHWAR Jerome Neil~

2024/09200 ~ Complete ~54:SEGMENTED CONTROL DEVICE FOR CONCRETE COOLING SYSTEM ~71:China Institute of Water Resources and Hydropower Research, No. 20, Chegongzhuang West Road, Haidian District, Beijing, 100038, People's Republic of China;China Three Gorges Construction Engineering Corporation, Room 206-20, 2nd Floor, Building 1, Courtyard 1, Gongyuan Street, Tongzhou District, Beijing, 650500, People's Republic of China ~72: DENG, Wenyang;DU, Junliang;GONG, Zhao;JING, Maogui;LI, Ruyao;LIU, Yi;MO, Zhikun;SUN, Changmao;XIN, Jianda;YAN, Zhongluan;YANG, Ge;YAO, Liang;ZHANG, Guoxin;ZHANG, Lei;ZHANG, Xinlu;ZHENG, Lei;ZHOU, Tao;ZHOU, Youxin;ZHU, Zhenyang~

2024/09218 ~ Complete ~54:BLADE RETAINER, TRANSPORTATION SYSTEM, WIND FARM, AND WIND GENERATING SET ~71:Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd., No. 19, Kangding Road, Beijing Economic & Technological Development Zone, Daxing District, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: BAO, Jiyou;WANG, Peng;YANG, Guangdong~ 33:CN ~31:202422157964.9 ~32:03/09/2024;33:CN ~31:202422158765.X ~32:03/09/2024;33:CN ~31:202422158782.3 ~32:03/09/2024

2024/09223 ~ Complete ~54:AN IMAGE PROCESSING SYSTEM FOR IDENTIFICATION AND ANALYSIS OF SOLAR HOTSPOTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: KAMAT, Ninad;KAMBLE, Akanksha;KAMBLE, Dhruvesh;KAMBLE, Manasi;KAMBLE, Prasad;RAIKWAR, Rajesh Ganesh~

2024/09232 ~ Complete ~54:JITTER CORRECTION IMAGE ANALYSIS ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: GEUNADY, Mohamed Khaled Mohamed;HOLST, Gregory;LANGLOIS, Robert Ezra;REN, Hongji;SANGIORGIO, Paul;VIECELI, John S.~ 33:US ~31:63/441,606 ~32:27/01/2023

2024/09203 ~ Complete ~54:CROSS-BORDER E-COMMERCE GOODS TROLLEY ~71:ZHEJIANG YUYING COLLEGE OF VOCATIONAL TECHNOLOGY, No. 4 Road, Hangzhou Economic and Technological Development Zone, Zhejiang Province, 310018, People's Republic of China ~72: Yanfeng ZHANG~

2024/09207 ~ Complete ~54:ENDOTRACHEAL TUBE FIXATION DEVICE ~71:Haikou People's Hospital (Affiliated Haikou Hospital of Xiangya Medical College, Central South University), No.43, Renmin Avenue, Meilan District, Haikou, Hainan, People's Republic of China ~72: Chanjuan CAI;Haiyan WU;Weixue ZHU;Ying XIA;Zhenhua SONG~ 33:CN ~31:202411142361X ~32:20/08/2024

2024/09212 ~ Complete ~54:A LOGISTIC REGRESSION SYSTEM FOR PERSONALITY PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: ANANDHAN, Jainivas;JAIN, Pratham;JAIN, Rishi;JAIN, Tanay;JAISWAL, Krishna;TELSANG, Supriya Shrikant;VAIDYA, Jainil~

2024/09222 ~ Complete ~54:A DETECTION SYSTEM FOR PARTIAL SHADING IN PHOTOVOLTAIC (PV) CELL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: KALE, Anushka;KALE, Deep;KALE, Harshvardhan;KALE, Ishika;KALE, Jaee;KALE, Nirjala;RAIKWAR, Rajesh Ganesh~

2024/09225 ~ Complete ~54:ARMOURING FOR POWER CABLES ~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~

2024/09236 ~ Complete ~54:METHOD FOR RECYCLING POLYESTER CONTAINERS ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Daniel GOLDENSTEIN~ 33:CH ~31:CH000578/2022 ~32:13/05/2022

2024/09201 ~ Complete ~54:CARBON FIBER FELT PHASE CHANGE ENERGY STORAGE MATERIAL AND PREPARATION METHOD AND APPLICATION ~71:Suzhou University, No. 49 Bianhe Middle Road (Bianhe Road Campus), Suzhou City, Anhui Province, 234000, People's Republic of China ~72: GUO, Pan;LIU, Fei;SHI, Hongwei;ZHANG, Dejin;ZHANG, Keying~

2024/09206 ~ Complete ~54:A METHOD, DEVICE, SYSTEM, AND STORAGE MEDIUM FOR IDENTIFYING ULTRA-WIDEBAND (UWB) NON-LINE-OF-SIGHT (NLOS) CONDITIONS ~71:Peking University, No.5 Yiheyuan Road, Haidian District, Beijing, People's Republic of China ~72: Fan Yonglei;Zhang Guangyuan~ 33:CN ~31:2024115281478 ~32:30/10/2024

2024/09215 ~ Complete ~54:COMPOUND HEAVY METAL PASSIVATING AGENT AND APPLICATION THEREOF ~71:Shandong Academy of Agricultural Sciences, 23788 Gongye North Road, Licheng District, Jinan, Shandong, 250100, People's Republic of China ~72: BO, Luji;FU, Longyun;JING, Yongping;LI, Yan;LIU, Zhaodong;WANG, Yanqin;ZHONG, Ziwen~ 33:CN ~31:202410902679.7 ~32:05/07/2024

2024/09231 ~ Complete ~54:ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI~ 33:US ~31:63/364,864 ~32:17/05/2022

2024/09210 ~ Complete ~54:A DRONE DETECTION SYSTEM FOR COUNTERING POTENTIAL MISUSE OF DRONES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: BARHATE, Madhuri M.;HULENWAR, Harsh;HUMNE, Subodh;INAMDAR, Chinmay;INAMDAR, Yuvraj;INANI, Harshit;INGALE, Chinmay~

2024/09226 ~ Complete ~54:PROTECTIVE DEVICE FOR A NEEDLE TUBE OF A SYRINGE ~71:SAFEJECT INTERNATIONAL PTE LTD, 10 Anson Road #05-17, Singapore ~72: FISCHER, Stephan;MOHR, Bernd;WILKE, Tobias~ 33:DE ~31:10 2022 111 083.4 ~32:05/05/2022

2024/09192 ~ Provisional ~54:PERSONALISED AROMATHERAPY SYSTEM UTILISING OLFACTORY MAPPING, GENERATIVE ADVERSARIAL NETWORKS, AND GENOMIC INTEGRATION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale;Takalani Toni Matshinyatsimbi~

2024/09194 ~ Provisional ~54:AI-POWERED HOLISTIC BEREAVEMENT SUPPORT AND INSURANCE CLAIMS INTEGRATION PLATFORM ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/09221 ~ Complete ~54:A PREDICTIVE ANALYTICAL SYSTEM FOR STOCK PRICE PREDICTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: ANTAD, Sonali Mallinath;KHANDARE, Rohan;KHANDAVE, Prathamesh;KHANDELWAL, Anushka;KHANDELWAL, Saloni;KHANGAR, Dhawal;KHANKE, Raj~

2024/09235 ~ Complete ~54:USE OF MYOSTATIN INHIBITOR FOR TREATING SPINAL MUSCULAR ATROPHY ~71:Scholar Rock, Inc., 301 Binney Street, 3rd Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: CHYUNG, Yung;KERTESZ, Nathalie;NOMIKOS, George;SONG, Guochen;WEBSTER, Micah T.~

33:US ~31:63/364,188 ~32:04/05/2022;33:US ~31:63/366,447 ~32:15/06/2022;33:US ~31:63/366,662 ~32:20/06/2022;33:US ~31:63/378,987 ~32:10/10/2022

. - APPLIED ON 2024/12/03 -

2024/09242 ~ Complete ~54:SLEEVE-TYPE MULTI-MODE HEATING RADIATOR ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Haoka;JIN Junjie;LI Bin;LI Ya;LIU Zhenfeng;REN Jie;YU Tingting;ZHANG Xiaodong~

2024/09244 ~ Complete ~54:METHOD FOR PLANNING DELIVERY PATH OF UNMANNED GROUND VEHICLE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: HUA, Pei;HUANG, Xiaoya;LI, Hua;LIU, Changsheng;ZHANG, Xiaoguo~

2024/09251 ~ Complete ~54:A HUMAN BODY LIMIT PROTECTION DEVICE FOR VIRTUAL REALITY EQUIPMENT AND AN APPLICATION METHOD THEREOF ~71:Jinggangshan University, No. 28, Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: Qing Fu~

2024/09252 ~ Complete ~54:AUTOMATED COMPUTER-AIDED DETECTION SYSTEM FOR PULMONARY NODULE DETECTION AND CLASSIFICATION IN LUNG CANCER DIAGNOSIS ~71:Aparna Madhavrao Harale, A 207, GV7, Phase 3, Platina Building, Behind Podar International School, Ambegaon BK, Pune, MAHARASHTRA, 411046, India;Dr. Sonal Kirankumar Jagtap, Shree Venkatesh Shrushti, S.No 56/1A/2, Rajrushi, Row House No 1, Mumbai Bangalore Highway, Vadgaon bk, Pune, MAHARASHTRA, 411041, India;Dr. Vinayak K Bairagi, AISSMS Institute of Information Technology, Kennedy Road, Near RTO, Pune, MAHARASHTRA, 411001, India;Preeti Kailas Suryawanshi, A803, Highway Bliss, Near Podar School, Ambegaon, Pune, MAHARASHTRA, 411046, India ~72: Aparna Madhavrao Harale;Dr. Sonal Kirankumar Jagtap;Dr. Vinayak K Bairagi;Preeti Kailas Suryawanshi~

2024/09261 ~ Complete ~54:AN AI ENABLED ATTENDANCE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: PATIL, Pranav;PATIL, Pranav C.;PATIL, Pranav P.;PATIL, Prasad;PATIL, Prathmesh;PATIL, Raj;RAJAS, Neha~

2024/09264 ~ Complete ~54:A BUS MANAGEMENT AND CROWD CONTROL SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: KHEDEKAR, Lokesh;PATIL, Mitali;PATIL, Niraj;PATIL, Om;PATIL, Piyush;PATIL, Pranav~

2024/09238 ~ Provisional ~54:ROUND PICNIC CHAIR ~71:Rose Ndhundhuma, 05 Leadwood Crescent, South Africa ~72: Rose Ndhundhuma~

2024/09245 ~ Complete ~54:ENERGY-SAVING HEATING DEVICE COUPLED WITH SOLAR ENERGY AND BIOGAS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CUI Qiuna;FU Haoka;JIN Junjie;LI Bin;LI Ya;LIU Zhenfeng;YU Tingting~

2024/09250 ~ Complete ~54:A MULTI-TERRAIN MOUNTED UNMANNED AERIAL VEHICLE LANDING PLATFORM AND AN APPLICATION METHOD THEREOF ~71:Jinggangshan University, No. 28, Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: Qing Fu~

2024/09255 ~ Complete ~54:GLEDITSIA SINENSIS SEED PEEL STRIPPING EQUIPMENT ~71:KUNMING METALLURGY COLLEGE, No. 388, Xuefu Road, Kunming City, Yunnan Province, People's Republic of China

~72: BINGJING YIN;FABIN ZHAO;HAOBO JI;SONGYUAN ZHANG;YING MAO~ 33:CN ~31:2024104576343 ~32:16/04/2024

2024/09260 ~ Complete ~54:AN IMAGE FORGERY DETECTION SYSTEM FOR IDENTIFICATION OF AUTHENTIC IMAGES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar Gajanan;KULKARNI, Tejas;KULKARNI, Varad;KULKARNI, Yash;KULLARKAR, Harshal;KUMARE, Rahul;KUMAWAT, Jay~

2024/09263 ~ Complete ~54:A SIGN LANGUAGE RECOGNITION SYSTEM USING ACTION RECOGNITION WITH PYHTON ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: MUSALE, Prajakta Prakash;PAPARKAR, Aryan;PARBHANIKAR, Shripad;PARBHANKAR, Ashutosh;PARCHURE, Indrajeet;PARDESHI, Atharva;PATIL, Paras~

2024/09280 ~ Complete ~54:A BOTULINUM TOXIN SYRINGE ~71:WEBB, Thomas, C/- Patentec Patent Attorneys, L11, 65 York St, Australia ~72: WEBB, Thomas~ 33:AU ~31:2022901550 ~32:07/06/2022

2024/09247 ~ Complete ~54:TITANIUM DIOXIDE AIR JET MILL ~71:Kunming Metallurgy College, No. 388 Xuefu Road, Kunming, Yunnan, People's Republic of China ~72: Gang XIE;Jinliang ZHANG;Lin TIAN;Ni YANG;Yadong LI;Yanqing HOU;Zhifeng NIE~

2024/09249 ~ Complete ~54:MULTI-TYPE COMBINED NOISE GENERATION METHOD BASED ON VISUAL FEATURE DETECTION ~71:Anhui Medical College, 632 Furong Road, Hefei City, Anhui Province, 230601, People's Republic of China;NEUROINTENSIVE CARE UNIT, THE FIRST AFFILIATED HOSPITAL OF USTC, 17 Lujiang Road, Luyang District, Hefei City, Anhui Province, 230001, People's Republic of China;Shigu Health Industry Co., Ltd., 6th Floor, Building 3, Yichi Science and Technology Park, 66 Yanzihe Road, High-tech Zone, Hefei City, Anhui Province, 230088, People's Republic of China ~72: HU, Yan;LI, Guiyun;LIU, Jiachen;LIU, Xueliang;TANG, Yong;ZHANG, Fasu~

2024/09259 ~ Complete ~54:A TUMOR DETECTION SYSTEM FOR ACCURATE DIAGNOSIS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JANOKAR, Sagar Gajanan;KHINDE, Pratik;KHOBRAGADE, Sachi;KHOCHARE, Gaurav;KHOPADE, Sampada;KHOPADE, Shantanu~

2024/09275 ~ Complete ~54:EPITOPE-SPECIFIC HCG BINDING APTAMERS AND APPLICATIONS THEREOF ~71:RHODES UNIVERSITY, Lucas Avenue, Grahamstown, Eastern Cape, 6139, South Africa ~72: JANICE LEIGH LIMSON;LAUREN FERREIRA;RONEN FOGEL~ 33:US ~31:63/348,174 ~32:02/06/2022

2024/09279 ~ Complete ~54:PACKAGING ASSEMBLY FOR THE PREPARATION OF PACKAGES OF HORTICULTURAL PRODUCTS ~71:UNITEC S.P.A., Via Provinciale Cotignola, 20/9, 48022, Lugo, Italy ~72: LUCA BENEDETTI~ 33:IT ~31:102022000013057 ~32:21/06/2022

2024/09267 ~ Complete ~54:A GESTURE-BASED VOLUME CONTROL SYSTEM USING COMPUTER VISION AND AUDIO PROCESSING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: KHEDEKAR, Lokesh;PATIL, Koushal;PATIL, Krushna;PATIL, Makrand;PATIL, Manas;PATIL, Manasi;PATIL, Manasvi~

2024/09237 ~ Provisional ~54:SYSTEM AND METHOD FOR ADAPTIVE GAMIFIED MENTAL WELLNESS TRAINING USING MULTIMODAL BIOFEEDBACK AND EEG DATA ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/09266 ~ Complete ~54:A NOVEL WIND CUM SOLAR ENERGY GENERATION AND STORAGE SYSTEM WITH SOLAR TRACKING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: CHAUHAN, Nikhilesh;NIKOLE, Shreya;NIKOSE, Mayank;NIMJE, Anshul;NIMKAR, Kunal;SUPEKAR, Nikita;TELSANG, Supriya~

2024/09268 ~ Complete ~54:A SMART TRAFFIC REGULATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JADHAV, Om;OSWAL, Kriya;SHINTRE, Om;TELSANG, Supriya;TONGARE, Omkar;TONGARE, Samarth~

2024/09272 ~ Complete ~54:DRAWING DEVICE FOR MATHEMATICAL MODELING AND USING METHOD THEREOF ~71:Chongqing Business Vocational College, No. 81, University City Middle Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: Donghong XIONG;Juhua XU;Kaiping LU;Ping SUN;Siwei YUE;Xiaojun XU~

2024/09253 ~ Complete ~54:ALTERNATING CURRENT POWER SURGE PROTECTIVE DEVICE ~71:CHENGDU PEDARO TECHNOLOGY CO., LTD., Room 408, 4th Floor, Building 12, No.58 Huasheng Road, Chenghua District, Chengdu, Sichuan 610051, People's Republic of China ~72: JUN WANG;SIRAN XU;XUELIN LIU;ZICHENG ZENG~ 33:CN ~31:202411571063.2 ~32:06/11/2024

2024/09265 ~ Complete ~54:AN AI BASED MENTAL HEALTH THERAPIST CHATBOT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JOSHI, Kalpesh Vinayak;PATIL, Taniska;PATIL, Varun;PATIL, Viraj;PATIL, Vivek;PATIL, Vrushabh;PATIL, Yog~

2024/09277 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF ACTINOMYCETIA INFECTIONS ~71:ENDOLYTIX TECHNOLOGY, INC., 48 Dunham Ridge, Suite 5850, Beverly, Massachusetts, 01915, United States of America ~72: CLINTON C DAWSON;CODY GLICKMAN;HELEN BARTLETT;JASON HOLDER;KEITH SOLOMON;SONIA BARRIOS~ 33:US ~31:63/339,064 ~32:06/05/2022;33:US ~31:63/429,812 ~32:02/12/2022;33:US ~31:63/457,844 ~32:07/04/2023

2024/09241 ~ Provisional ~54:KILN ~71:INTOCAST SOUTH AFRICA (PROPRIETARY) LIMITED, 47 Director Road Spartan Ext 23, Kempton Park, Gauteng, 1619, South Africa ~72: PIERRE SANDOW;RIAAN ANDRE VENTER~

2024/09243 ~ Complete ~54:A COMPUTER-IMPLEMENTED METHOD OF ASSESSING AN ACCIDENT OF A MOTOR VEHICLE, AND AN ASSOCIATED SYSTEM ~71:WEPAYCLAIMS (PTY) LTD., 38 Adderley Street, WORCESTER 6850, Western Cape Province, SOUTH AFRICA, South Africa ~72: DE SOUZA, Anton;WILKEN, Johannes Willem~ 33:ZA ~31:2023/11178 ~32:05/12/2023

2024/09248 ~ Complete ~54:AN ULTRASONIC FLOWMETER WITH EASY INSTALLATION ~71:Tianjin Sino-German University of Applied Sciences, No. 2, Yashen Road, Haihe Education Park, Jinnan District, Tianjin City, 300350, People's Republic of China ~72: Siqi Han~

2024/09254 ~ Complete ~54:HEAT EXCHANGE CONFIGURATIONS FOR OLIGOMERIZATION OF OLEFINS ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, 10001 Six Pines Drive, The Woodlands, Texas, 77380, United States of America ~72: BRUCE E KREISCHER~ 33:US ~31:63/224,665 ~32:22/07/2021

2024/09256 ~ Complete ~54:A REAL TIME VEHICLE TRACKING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: HERALD, Leevan;JANOKAR, Sagar;LANJEWAR, Nishant;LANJEWAR, Riya;LASURKAR, Prachi;LENEKAR, Mrunal~

2024/09271 ~ Complete ~54:STRAW DECOMPOSITION AGENT FOR IMPROVING SALINE-ALKALI LAND AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:Heilongjiang Green Food Science Research Institute, No.2727, Chuangxin 1st Road, Songbei District, Harbin City, People's Republic of China;Northeast Agricultural University, No.600 Changjiang Road, Xiangfang District, Harbin City, People's Republic of China ~72: FENG, Xu;FENG, Yanzhong;HE, Fumeng;LI, Fenglan;LI, Xiaozhong;LIU, Dan;TIAN, Miao;WANG, Linlin;WANG, Xue~

2024/09273 ~ Complete ~54:A METHOD AND A SYSTEM FOR SEPARATING CO2 FROM THE ADDITIONAL CONSTITUENTS OF A GAS MIXTURE COMPRISING AT LEAST 70% AND UP TO 90% CO2 ~71:CARBFIX HF., Bæjarhálsi 1, Iceland ~72: ANDERSEN, Nökkvi;ARNARSON, Magnús Þór;HELGASON, Kári;RATOUIS, Thomas;SIGFÚSSON, Bergur;SNÆBJÖRNSDÓTTIR, Sandra Ósk;VOIGT, Martin Johannes~ 33:EP ~31:22178359.0 ~32:10/06/2022

2024/09276 ~ Complete ~54:AAV VECTOR ENCODING DIAMINE OXIDASE AND USES THEREOF ~71:OYSTER POINT PHARMA, INC., 202 Carnegie Center, Suite 106 Princeton, New Jersey, 08540, United States of America ~72: ERIC C CARLSON;JEFFREY ALAN NAU~ 33:US ~31:63/348,856 ~32:03/06/2022;33:US ~31:63/383,026 ~32:09/11/2022

2024/09258 ~ Complete ~54:AN ACCIDENT REPORTING AND EMERGENCY RESPONSE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JADHAV, Balasaheb;MADNURKAR, Parth;MAGAR, Pradnya;MAGHADE, Saurav;MAHADIK, Shantanu;MAHAJAN, Bhagyesh~

2024/09262 ~ Complete ~54:A PYTHON EMBEDDED BRAIN TUMORS AND ALZHEIMER'S DETECTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JOSHI, Kalpesh Vinayak;OSWAHA, Patrice;PATKAR, Varad;PATLE, Priyanshi;PATTHE, Aaditya;PATWARDHAN, Nikhil~

2024/09269 ~ Complete ~54:FOLIAR FERTILIZER RICH IN SELENIUM AND AMINO ACIDS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:HEILONGJIANG GREEN FOOD SCIENCE RESEARCH INSTITUTE, NO.2727, CHUANGXIN 1ST ROAD, SONGBEI DISTRICT, People's Republic of China;NORTHEAST AGRICULTURAL UNIVERSITY, NO.600 CHANGJIANG ROAD, XIANGFANG DISTRICT, People's Republic of China ~72: FENG, Xu;FENG, Yanzhong;HE, Fumeng;LI, Fenglan;LI, Xiaozhong;LIU, Dan;TIAN, Miao;WANG, Linlin;WANG, Xue;WANG, Yingnan~

2024/09274 ~ Complete ~54:CONNECTOR FOR BEVERAGE DISPENSE LINE ~71:Carlsberg Breweries A/S, J.C. Jacobsens Gade 1, COPENHAGEN V 1799, DENMARK, Denmark ~72: INGEMANSSON, Niklas;LAYBOURN, Klaus~ 33:EP ~31:22187142.9 ~32:27/07/2022

2024/09240 ~ Provisional ~54:FORCED FLUX JUMP REACTOR ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2024/09257 ~ Complete ~54:A TEXT-TO-SPEECH CONVERSION SYSTEM FOR VISUALLY IMPAIRED INDIVIDUALS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: ANTAD, Sonali Mallinath;KHINDE, Pratik;KHOBRAGADE, Sachi;KHOCHARE, Gaurav;KHOPADE, Sampada;KHOPADE, Shantanu~

2024/09239 ~ Provisional ~54:IRRIGATION ADDITIVE APPARATUS ~71:KIRSTEIN, Rudolph, 24 Giraffe Avenue, MODIMOLLE 0510, Limpopo Province, SOUTH AFRICA, South Africa ~72: KIRSTEIN, Rudolph~

2024/09246 ~ Complete ~54:SHOCK-ABSORBING STRUCTURE FOR ENHANCING SEISMIC RESISTANCE CAPACITY OF TUNNELS ~71:CHINA ROAD & BRIDGE CORPORATION, No.88, Anding Menwai Street, Dongcheng District, Beijing, 100000, People's Republic of China;Xi'an University of Architecture and Technology, No.13 Yanta Road, Beilin District, Xi'an, Shaanxi Province, 710055, People's Republic of China ~72: Ang Jiao;Bin Zhi;Changwei Li;Fuyun Wang;Jinglin Tan;Shulin Jiang;Xiaojing Xu;Xiaokun Li;Zhanping Song;Zhuoyu Guo~ 33:CN ~31:2024103351268 ~32:22/03/2024

2024/09270 ~ Complete ~54:CD73 COMPOUNDS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: BARTLETT, MARK J.;CHIN, GREGORY F.;COSMAN ELLIS, JENNIFER L.;MACKMAN, RICHARD L.;MISH, MICHAEL R.~ 33:US ~31:63/357,948 ~32:01/07/2022

2024/09278 ~ Complete ~54:VARIANT ANTIBODIES THAT BIND GAMMA-DELTA T CELL RECEPTORS ~71:LAVA THERAPEUTICS N.V., Yalelaan 62, 3584 CM Utrecht, Netherlands ~72: ANTON EGBERT PETER ADANG;CHARLOTTE MERETTE MOUSSET;DAVID LUTJE HULSIK;FELIX-LENNART FENNEMANN;JOHANNES JELLE VAN DER VLIET;LISA ANNA KING;MICHIEL VAN WESTERHOVEN;PAUL WILLEM HENRI IDA PARREN;PETER ALEXANDER GERARDUS MARIA MACHIELSEN;ROBERTUS CORNELIS ROOVERS~ 33:EP ~31:22179264.1 ~32:15/06/2022

. - APPLIED ON 2024/12/04 -

2024/09289 ~ Complete ~54:METHOD FOR REGULATING VARIANT VOLUME FRACTION OF SUPERALLOY, SYSTEM AND MEDIUM ~71:Dongguan University Of Technology, No.1 Daxue Road, Songshanhu District, Dongguan City, Guangdong Province, 523808, People's Republic of China ~72: WAN, Changfeng~ 33:CN ~31:202411579360.1 ~32:07/11/2024

2024/09301 ~ Complete ~54:ANTIBODIES TARGETING ITGA2 AND ANTIBODY-DRUG CONJUGATES COMPRISING SAME ~71:FORESEEN BIOTECHNOLOGY (SHANGHAI) CO., LTD., A1024, Floor1, Building 2, 1077 Zhangheng Rd., China (Shanghai), People's Republic of China;FORESEEN TECHNOLOGY (BEIJING) CO., LTD., Building 3 B Unit Nest.bio Lab, 1 Yongtaizhuangbei Road, People's Republic of China ~72: HAN, Pei;LI, Wei;WONG, Catherine C.~ 33:CN ~31:202210743539.0 ~32:27/06/2022

2024/09306 ~ Complete ~54:VACCINE FOR PROTECTION AGAINST LEPTOSPIRA SEROVAR GRIPPOTYPHOSA ~71:Intervet International B.V., Wim de Körverstraat 35, BOXMEER 5831 AN, THE NETHERLANDS, Netherlands ~72: HEGGE, Jorrit;KLAASEN, Henricus Leo Bernardus Maria~ 33:EP ~31:22180306.7 ~32:22/06/2022

2024/09308 ~ Complete ~54:METHOD FOR OPERATING A DRINKS VENDING MACHINE AND ARRANGEMENT FOR OPERATING A DRINKS VENDING MACHINE ~71:JURA ELEKTROAPPARATE AG, Kaffeeweltstrasse 10, Switzerland ~72: Amir KARIMIAN~ 33:EP ~31:22177213.0 ~32:03/06/2022

2024/09284 ~ Provisional ~54:TONG PICNIC MASTER ~71:Rose Ndhundhuma, 05 Leadwood Crescent, South Africa ~72: Rose Ndhundhuma~

2024/09288 ~ Provisional ~54:FIREARM SAFETY INITIATIVE (FSI) ~71:Wayne Henry Erasmus, 195 10th Avenue, South Africa ~72: Wayne Henry Erasmus~

2024/09294 ~ Complete ~54:AFFORESTATION METHOD FOR PROMOTING EARLY MATURITY AND HIGH YIELD OF BAMBUSA CHANGNINGENSIS YI ET B.X.LI ~71:Yibin Forestry and Bamboo Industry Research Institute, Chengyu Bamboo Industry Collaborative Innovation Center, Zhengrong Road, Lingang Economic Development Zone, Yibin City, Sichuan Province, 644626, People's Republic of China ~72: GAO, Huibin;WANG, Yong;XIA, Yuanyan;YU, Ying;YUAN, Min;ZHOU, Guoqiang~

2024/09300 ~ Complete ~54:SIGNAL SEQUENCES FOR NUCLEIC ACID VACCINES ~71:SANOFI, 46 Avenue de la Grande, France ~72: CIVAT, Céline;GIRERD-CHAMBAZ, Yves;PAVOT, Vincent;PION, Corinne~ 33:EP ~31:22305680.5 ~32:06/05/2022;33:EP ~31:22306227.4 ~32:16/08/2022;33:US ~31:63/449,573 ~32:02/03/2023

2024/09305 ~ Complete ~54:PHARMACEUTICAL COMPOSITION AND USE THEREOF ~71:Akeso Biopharma, Inc., 6 Shennong Road, Torch Development Zone, ZHONGSHAN 528437, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Baiyong;WANG, Zhongmin;XIA, Yu~ 33:CN ~31:202210712836.9 ~32:22/06/2022

2024/09307 ~ Complete ~54:METHODS OF TREATING SUBSTANCE USE DISORDER WITH 4-(3-CYANOPHENYL)-6-PYRIDINYLPYRIMIDINE MGLU5 NEGATIVE ALLOSTERIC MODULATORS ~71:TEMPERO BIO, INC., 1111 Broadway, Suite 1300, United States of America ~72: DOLMETSCH, Ricardo E.;HODGE, Clyde W.;IMBERT, Bruce;SUNG, Victoria~ 33:US ~31:63/355,451 ~32:24/06/2022

2024/09339 ~ Complete ~54:POWER OUTLET ASSEMBLY FOR ELECTRIC STACK, PARTICULARLY FUEL CELL STACK ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: VELÉN, Robin~ 33:SE ~31:2250925-1 ~32:21/07/2022

2024/09283 ~ Provisional ~54:RENEWABLE ENERGY EXTRACTION SYSTEM ~71:FEIZAL ALLI GAFFOOR, P.O. Box 42712 FORDSBURG 2033 JOHANNESBURG, South Africa ~72: FEIZAL ALLI GAFFOOR~

2024/09286 ~ Provisional ~54:SWIMMING TRAINING APPARATUS ~71:MAJOLA, Blessing Cheslyn, Unit 404 Golden City Heights, 139 Woburn Avenue, BENONI 1501, Gauteng Province, SOUTH AFRICA, South Africa ~72: MAJOLA, Blessing Cheslyn~

2024/09287 ~ Provisional ~54:AI AND BLOCKCHAIN-INTEGRATED BEREAVEMENT SUPPORT, DISASTER RELIEF, AND INSURANCE CLAIMS MANAGEMENT SYSTEM ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/09290 ~ Complete ~54:INTELLIGENT UNDERWATER ROBOT AND MOTION CONTROL METHOD ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: HOU, Xihuan;JIN, Wenxiang;SHI, Huimin;ZHANG, Hongjuan~

2024/09298 ~ Complete ~54:MODIFIED LITHIUM MANGANATE ELECTRODE MATERIAL AND MODIFICATION METHOD THEREOF ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.727, Jingming South Road, Chenggong District, Kunming City, People's Republic of China ~72: CHEN, Yuxiang;CHENG, Fang;DONG, Peng;DUAN, Jianguo;FENG, Ziliang;HAN, Lina;LI, Xue;LIU, Jintao;MENG, Qi;WANG, Ding;WANG, Xianshu;WU, Hao;XIAO, Jie;XING, Yubo;XU, Liqianyun;YUAN, Shouyi;ZENG, Xiaoyuan;ZHANG, Bao;ZHANG, Chengxu;ZHANG, Yanjia;ZHANG, Yannan;ZHANG, Yingjie;ZHANG, Yiyong;ZHOU, Zhongren;ZHU, Ziyi~ 33:CN ~31:2024104999333 ~32:24/04/2024

2024/09303 ~ Complete ~54:METHODS AND SYSTEMS FOR MANAGING ROBOTIC PROCESS AUTOMATION ~71:Blue Prism Limited, 2 Cinnamon Park, Crab Lane, Fearnhead, WARRINGTON WA2 0XP, UNITED KINGDOM, United Kingdom ~72: HADZIC, Tarik~ 33:EP ~31:22177398.9 ~32:06/06/2022

2024/09282 ~ Provisional ~54:A COMPUTER IMPLEMENTED ALERTING METHOD ~71:ROSSOUW, Johannes, Jacobus, 4 BOGEY STREET, WATERKLOOF EXT 1, PRETORIA, 0181, SOUTH AFRICA, South Africa ~72: ROSSOUW, Johannes, Jacobus~

2024/09285 ~ Provisional ~54:ROUND PICNIC TABLE TURNTABLE 360 DEGREES ~71:Rose Ndhundhuma, 05 Leadwood Crescent, South Africa ~72: Rose Ndhundhuma~

2024/09292 ~ Complete ~54:A PRECISE RADIOTHERAPY FIXATION DEVICE FOR THE BODY AND ITS METHOD OF USE ~71:The First Affiliated Hospital of Xinxiang Medical University, No. 88 Jiankang Road, Weihui City, Xinxiang City, Henan Province, People's Republic of China ~72: Huo Xiaoqing;Liu Bo;Pang Kehua;Shi Liangliang;Xu Liuyang;Yang Jun~ 33:CN ~31:2024116176498 ~32:13/11/2024

2024/09293 ~ Complete ~54:A BRAKE SYSTEM FOR HEAVY DUTY VEHICLES HAVING BOTH A SERVICE BRAKE AND FAIL-SAFE BRAKE ~71:PAULUS JOHANNES AUCAMP, 4 Platberg Street, Aerorand, South Africa ~72: PAULUS JOHANNES AUCAMP~ 33:ZA ~31:2023/11441 ~32:13/12/2023

2024/09295 ~ Complete ~54:VEHICLE CONTROL SYSTEM ~71:Transportation IP Holdings, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: VRBA, Matthew~ 33:US ~31:18/529,993 ~32:05/12/2023

2024/09296 ~ Complete ~54:SLUDGE TREATMENT DEVICE FOR MUD CIRCULATION OF DRILLING ENGINEERING ~71:SUZHOU UNIVERSITY, XUEFU AVENUE, YONGQIAO DISTRICT, SUZHOU CITY, People's Republic of China ~72: DING, Diandian;FENG Songbao;GONG, Wei;MA, Jie;ZHANG, Haitao~

2024/09304 ~ Complete ~54:BORON CONTAINING PYRIMIDINE COMPOUNDS, COMPOSITIONS COMPRISING THEM, METHODS AND USES THEREOF ~71:Borah, Inc., 3835 Cleghom Ave., Suite 300, NASHVILLE 37215, TN, USA, United States of America ~72: GRAHAM, Keith Andrew Newton;LIU, Chunliang;LONG, Alan;PULLEY, Shon R.;ZHOU, Yasheen~ 33:US ~31:63/366,535 ~32:17/06/2022

2024/09291 ~ Complete ~54:A RADIOTHERAPY POSITIONING FRAME PLATE AND A RADIOTHERAPY POSITIONING METHOD ~71:The First Affiliated Hospital of Xinxiang Medical University, No. 88 Jiankang Road, Weihui City, Xinxiang City, Henan Province, People's Republic of China ~72: Huo Xiaoqing;Pang Kehua;Shi Liangliang;Wu peng;Xu Liuyang;Yang Jun~ 33:CN ~31:202411617839X ~32:13/11/2024

2024/09297 ~ Complete ~54:CLAMPING DEVICE FOR LAPAROSCOPIC SURGERY TROCAR ~71:THE FIRST AFFILIATED HOSPITAL OF WANNAN MEDICAL COLLEGE (YIJISHAN HOSPITAL OF WANNAN MEDICAL COLLEGE), NO.2 ZHESHAN WEST ROAD, JINGHU DISTRICT, WUHU 241000, People's Republic of China ~72: WANG, Dong;WANG, Lei;WANG, Xiaoming;YANG, Bingwu;ZOU, Junwei~

2024/09299 ~ Complete ~54:LIGHTING DEVICE AND METHOD FOR MOBILE ANIMAL AND PLANT BREEDING EQUIPMENT ~71:SICHUAN AGRICULTURAL UNIVERSITY, No. 211 Huimin Road, Wenjiang District, Chengdu, Sichuan, 611130, People's Republic of China ~72: GUO Kexin;HE Yuexuan;LEE In-bok;LIANG Lirui;LIU Xinyuan;LIU Yue;LU Wei;PENG Wenjun;YAN Jiayi;YANG Qichang;YE Zhenhong;ZHENG Yangxia;ZHOU Chengbo;ZHOU Linjiang~ 33:CN ~31:2023100910222 ~32:09/02/2023

2024/09302 ~ Complete ~54:METHOD OF PREPARING A MASTOCARPUS STELLATUS EXTRACT ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: DE BIZEMONT, Audrey;HUMEAU, Anne;MEUNIER , Marie;REYNAUD , Romain;SCANDOLERA, Amandine~ 33:GB ~31:2206529.6 ~32:05/05/2022;33:GB ~31:2210574.6 ~32:19/07/2022

. - APPLIED ON 2024/12/05 -

2024/09318 ~ Complete ~54:REHABILITATION PHYSIOTHERAPY INSTRUMENT FOR CHRONIC DISEASE WITH INTELLIGENT CONTROL OVER EXERCISE RESISTANCE IN CHINESE MEDICINE LIQUID ~71:Yan'an

University, Yangjialing, Baota District, Yan'an City, Shaanxi Province, 716000, People's Republic of China ~72: DAI, Guangyong;HAN, Yao;LI, Jiayi;WANG, Jiameng;WANG, Yong;ZHAO, Ruixue~

2024/09344 ~ Complete ~54:SOLID FORM OF A HETEROCYCLIC AMIDE DERIVATIVE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BADOIU, Andrei;HONE, John;MARMIER, Mathieu~ 33:EP ~31:22186568.6 ~32:22/07/2022

2024/09346 ~ Complete ~54:VACCINE FOR PROTECTION AGAINST LEPTOSPIRA SEROVAR ICTEROHAEMORRHAGIAE ~71:Intervet International B.V., Wim de Körverstraat 35, BOXMEER 5831 AN, THE NETHERLANDS, Netherlands ~72: HEGGE, Jorrit;KLAASEN, Henricus Leo Bernardus Maria~ 33:EP ~31:22180307.5 ~32:22/06/2022

2024/09316 ~ Complete ~54:DIRECT-CURRENT CHARGING GUN FOR NEW ENERGY ELECTRIC VEHICLE AND USE METHOD THEREOF ~71:Jiangsu Hengtong New Energy Electric Technology Co., Ltd., No.168 North Jiaotong Road, Wujiang Economic and Technological Development District, Suzhou, People's Republic of China;Jiangsu Hengtong Wire & Cable Technology Co., Ltd., No.88 Hengtong Avenue, Qidu Town, Wujiang District, Suzhou, People's Republic of China ~72: Baoyan WEI;Danxia LI;Dongxu ZHAO;Hao WU;Hongqiang DAI;Jian YAO;Jiaona XI;Jinjin JI;Weichang HONG;Yuhua MA~ 33:CN ~31:2023116658994 ~32:06/12/2023

2024/09327 ~ Complete ~54:A TRAFFIC SIGNALLING PATTERN SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: MANHAS, Vishal;PATIL, Vrushal;RANDAD, Vivek;TANPURE, Sharda Vishnu;WADADARE, Shrikar;WADEKAR, Harsh~

2024/09328 ~ Complete ~54:A TV SHOW POPULARITY ANALYSIS SYSTEM USING DATA MINING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: JOSHI, Kalpesh Vinayak;PAWAR, Mohini;PAWAR, Nikita;PAWAR, Pawan;PAWAR, Sandip;PAWAR, Sejal~

2024/09319 ~ Complete ~54:UAV CLUSTER TASK EXECUTION METHOD BASED ON DISTRIBUTED COMPUTING ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Junwei Zhang;Yanjun Ji;Yongqi Wang~

2024/09324 ~ Complete ~54:AN ADAPTIVE TRAFFIC CONTROL SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: CHAUHAN, Tilaksingh;MORE, Manisha Nandan;THORAT, Rushikesh;THORAT, Shreyas;TILAK, Manas;TILEKAR, Mansi;TODKAR, Aditya~

2024/09329 ~ Complete ~54:A SECURE CLOUD STORAGE SYSTEM FOR MEDICAL DOCUMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: POTE, Dnyaneshwari;POTNIS, Hrishikesh;POWAR, Payal;POWAR, Sujal;PRABHU, Chinmayee;RAJAS, NEHA~

2024/09321 ~ Complete ~54:IMAGE CODING/DECODING METHOD AND DEVICE FOR SELECTIVELY SIGNALING FILTER AVAILABILITY INFORMATION, AND METHOD FOR TRANSMITTING BITSTREAM ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: HYEONG MOON JANG;JUNG HAK NAM;NAE RI PARK~ 33:US ~31:62/977,060 ~32:14/02/2020

2024/09333 ~ Complete ~54:AN EMERGENCY SUPPORT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72:

DAGWAR, Shrid;JOSHI, Kalpesh;SHRIRAO, Prachi;SHRIVASTAVA, Aanchal;SHRIVASTAVA, Tanishk;SURYAWANSHI, Shrihari~

2024/09348 ~ Complete ~54:ELECTROMECHANICAL JOINT FOR CONDUCTOR ARM HAVING MULTIPLE DEGREES OF FREEDOM ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, United States of America ~72: STRASHNY, Igor~ 33:US ~31:17/829,615 ~32:01/06/2022

2024/09351 ~ Complete ~54:METHOD AND SYSTEM FOR CHARACTERIZING ORGANIC LIVE PARTICLE TYPES IN WATER ~71:NOCOLI AB, Box 866, 301 18 Halmstad, Sweden ~72: YING FU~ 33:SE ~31:2250898-0 ~32:12/07/2022

2024/09355 ~ Complete ~54:PRODUCTION OF IMMUNE CELLS ~71:ADAPTIMMUNE LIMITED, 60 Jubilee Avenue, Milton Park, Abingdon, Oxfordshire, OX14 4RX, United Kingdom ~72: GARTH HAMILTON;NAIL FATKHUTDINOV~ 33:GB ~31:2208545.0 ~32:10/06/2022

2024/09310 ~ Provisional ~54:HEPATITIS B CORE-RELATED ASSAY ~71:SEFAKO MAKGATHO HEALTH SCIENCES UNIVERSITY, Molotlegi Street, Ga-Rankuwa, Gauteng, 0204, South Africa ~72: NONDUMISO ATRICIA NKOSI;OMPHILE ELIZABETH SIMANI~

2024/09326 ~ Complete ~54:AN ADVANCED 2D PLOTTER SYSTEM FOR PRECISION GEOMETRIC DRAWING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JOSHI, Anita;SAWANT, Suyash;SAYAM, Ritik;SHAH, Armik;SHAH, Tasmay;SHAHARI, Sagar;SHAIKH, Aadilnawaz~

2024/09332 ~ Complete ~54:A DIMENSIONAL MEASUREMENT SYSTEM USING CANNY EDGE DETECTION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: CHOUGULE, Shrey;JOSHI, Kalpesh;NALE, Shreya;PATEL, Shraddha;SABUT, Shreya;SARASWAT, Shivansh;SHIVANKAR, Ishan~

2024/09336 ~ Complete ~54:A JAMMING UAV SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DESHAPANDE, Arati;WAGLE, Manas;WAKCHAURE, Shrushti;WAKODE, Nisha;WAKODE, Nrupal;WALSEPATIL, Aditya~

2024/09342 ~ Complete ~54:SLIDABLE CURRENT COLLECTOR AND METHOD FOR CONTACTING CONDUCTOR RAIL ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, United States of America ~72: STRASHNY, Igor~ 33:US ~31:17/829,528 ~32:01/06/2022

2024/09358 ~ Complete ~54:BLACK SOLDIER FLY (HERMETIA ILLUCENS) LARVAE FRASS FORMULATIONS, COMBINATIONS AND USES ~71:CHONEX, INC., P.O. Box 123 Vandiver, Alabama 35176, United States of America ~72: LORI MOSHMAN;MICHAEL LYNCH;SOFIA ANDREOLA;WILLIAM MARION~ 33:US ~31:63/364,493 ~32:10/05/2022;33:US ~31:63/386,843 ~32:09/12/2022;33:US ~31:63/442,533 ~32:01/02/2023

2024/09317 ~ Complete ~54:TEMPERATURE-CONTROLLED CHARGING SOCKET FOR GENERATING ELECTRICITY BY USING WATER IN HEATING PIPELINE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Haoka;HAN Ershuai;LU Bingxue;WANG Lina;WU Jingan;XU Yanhui~

2024/09331 ~ Complete ~54:A SMART STEALTH CRUISER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72:

MATTOO, Shivam;MORE, Kiran;SHINDE, Satyajit;SHINGANKAR, Piyush;SHIRODE, Devang;SHIRSAT, Harshal;SHIRSAT, Yash~

2024/09338 ~ Complete ~54:A SYSTEM FOR CONNECTING HOSPITALS WITH DOCTORS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DESHAPANDE, Arati;YADAV, Abhishek;YADAV, Aditya;YADAV, Ishaan;YAMKANMARDI, Shriraj;YANGALE, Vitthal~

2024/09352 ~ Complete ~54:THERAPEUTIC AGENT COMPRISING MULTISPECIFIC ANTIBODY AND USE THEREOF IN TUMOR THERAPY ~71:HANGZHOU VIROMAB BIOTECH CO., LTD., Room 911, Building 2, 355 Xingzhong Rd., Linping Jiedao, Linping District Hangzhou, Zhejiang, 311100, People's Republic of China ~72: CAN CHEN;FANG HU;JINLU CAI;LIEMING DING;WENXIN XU~ 33:CN ~31:202210496949.X ~32:09/05/2022

2024/09350 ~ Complete ~54:PHOTOVOLTAIC POWER GENERATION SHORT-TERM POWER PREDICTION METHOD AND SYSTEM ~71:CHINA ELECTRIC POWER RESEARCH INSTITUTE, No. 15 Xiaoying East Road, Qinghe, Haidian District Beijing, 100192, People's Republic of China;STATE GRID CORPORATION OF CHINA, No. 86, West Chang'an Street, Xicheng District, Beijing, 100031, People's Republic of China;STATE GRID XINJIANG ELECTRIC POWER CO., LTD, ELECTRIC POWER RESEARCH INSTITUTE, No. 200 Hengda Street, High-tech Industrial Development Zone Urumqi, Xinjiang, 830000, People's Republic of China ~72: DENGXUAN LI;FANG CUI;FANG QIN;HAI ZHOU;HAO QIN;HONGCHUN YAO;HUANG DING;JI WU;RONGRONG JU;SIYU HU;WEIDONG CHEN;WENWEN MA;XU CHENG;YINQING LI~ 33:CN ~31:202210523546.X ~32:13/05/2022

2024/09356 ~ Complete ~54:MEASURING LANCE FOR THE MEASUREMENT OF A POSITION AND A THICKNESS OF A SLAG LAYER ON TOP OF A MOLTEN METAL ~71:VESUVIUS REFRATARIOS LTDA., Rua Benjamin da Silveira Baldy 2001 Paula & Mendes, Piedade, 18170-000, Brazil ~72: CARLOS TIMOTHEO VICENTINI;PEDRO OLIVA SOLERA;ROGER KENDY MIZOTE~ 33:EP ~31:22181612.7 ~32:28/06/2022

2024/09313 ~ Complete ~54:INSULATOR DETECTION METHOD BASED ON IMPROVED YOLOV8 ~71:STATE GRID XINZHOU ELECTRIC POWER SUPPLY COMPANY, No.16 Fenyuan Street, Economic and Technological Development Zone, Xinzhou City, Shanxi Province, People's Republic of China ~72: LIU Chang;SUN Licong;TIAN Ye;WANG Jingyi;YANG Ruifeng;ZHANG Jie;ZHANG Junyao;ZHANG Taizhen;ZHANG Yanqing~

2024/09315 ~ Complete ~54:SELF-COMPACTING CONCRETE AND PREPARATION METHOD THEREOF ~71:Huzhou Vocational and Technical College, No.299,Xuefu Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: CHEN Jie;LI Chao;XU Ying;YANG Xiaonan~

2024/09320 ~ Complete ~54:WAVE-ENERGIZED DIODE PUMP ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;GARTH ALEXANDER SHELDON-COULSON~ 33:US ~31:62/809,566 ~32:23/02/2019;33:US ~31:62/834,964 ~32:17/04/2019;33:US ~31:62/971,963 ~32:08/02/2020;33:US ~31:16/796,724 ~32:20/02/2020

2024/09322 ~ Complete ~54:A MACHINE LEARNING BASED DISEASE PREDICTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: CHAVAN, Suraj;SURDAS, Soham;SURVE, Omkar;SURWASE, Nikita;SURYAWANSHI, Aditya;SURYAWANSHI, Om;TANPURE, Sharda~

2024/09330 ~ Complete ~54:A BLOCKCHAIN BASED JUDICIAL PETITION FILING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: GANJOO, Vansh;KHEDEKAR, Lokesh;SHIVADE, Vaishnavi;SINGH, Vaishnavi;VAIDYA, Madhur;WASULE, Vallabh~

2024/09337 ~ Complete ~54:A USER-INTERACTIVE ANIMATION SYSTEM FOR VISUALIZING DATA STRUCTURES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DESHAPANDE, Arati;WAGHMARE, Mayur;WAGHMODE, Mansi;WAGHMODE, Onkar;WAGHMODE, Prashant;WAGHMODE, Shailesh~

2024/09340 ~ Complete ~54:TREATMENT OF BINGE EATING DISORDER USING PSYCHEDELICS ~71:TRYP THERAPEUTICS INC., 301-1665 Ellis Street, Kelowna, Canada ~72: GILLIGAN, James;GUZZO, Peter~ 33:US ~31:63/350,393 ~32:08/06/2022;33:US ~31:63/437,347 ~32:05/01/2023

2024/09353 ~ Complete ~54:PRESSURE-REGULATING HYDRODYNAMIC PUMP AND WAVE ENGINE ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macacam Avenue, Portland, Oregon, 97239, United States of America ~72: ALEXANDER DAVID CHALLY;BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/351,827 ~32:14/06/2022;33:US ~31:63/401,575 ~32:27/08/2022;33:US ~31:18/208,875 ~32:12/06/2023

2024/09311 ~ Provisional ~54:A PHARMACEUTICAL COMPOSITION FOR INTRAOCULAR TREATMENT ~71:DANIEL JACOBUS VAN WYK, 23 Rooiels street, Woodlandshills, South Africa ~72: DANIEL JACOBUS VAN WYK~

2024/09323 ~ Complete ~54:A SMART SYSTEM FOR ENHANCING ACCESS TO ORGAN DONORS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JADHAVRAO, Pooja;NIKAM, Poonam;PISE, Aarya;PISE, Rahul;PITHE, Sarthak;POKALE, Vaibhav;RAJAS, NEHA~

2024/09325 ~ Complete ~54:AN AUTOMATED VACANCY DETECTION IN A PARKING-LOT USING IMAGE PROCESSING AND REMOTE ACCESS TO REAL TIME STATE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: GAWADE, Mayuri Mangesh;KHAN, Saif;SAKHARE, Aditya;SAKHARE, Rushikesh;SAKPAL, Rahul;SALOKHE, Prathamesh;SALUNKE, Sakshi~

2024/09343 ~ Complete ~54:HERBICIDAL IMIDAZOLE COMPOUNDS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: ASPINALL, Mary Bernadette;BRIGGS, Emma;DALE, Suzanna Jane;ELVES, Philip Michael;KINGSTON, Charles William Frederick;MORRIS, James Alan;SIKERVAR, Vikas;WATKIN, Samuel Vaughan~ 33:GB ~31:2210443.4 ~32:15/07/2022

2024/09345 ~ Complete ~54:FCRN/ANTIGEN-BINDING MOLECULES AND METHODS OF USE ~71:argenx BV, Industriepark-Zwijnaarde 7, Zwijnaarde, GHENT 9052, BELGIUM, Belgium ~72: BAUMEISTER, Judith;BIGIRIMANA, René;BLANCHETOT, Christophe;BOBKOV, Vladimir;DE HAARD, Johannes;SILENCE, Karen;VAN SANTBERGEN, Jolien~ 33:US ~31:63/352,589 ~32:15/06/2022

2024/09347 ~ Complete ~54:IGF1R ANTIBODIES ~71:Horizon Therapeutics Ireland DAC, Pottery Road, Dun Laoghaire, DUBLIN A96 F2A8 , IRELAND, Ireland ~72: BORROK, III Martin Jack;WARD, Christopher Davidson~ 33:US ~31:63/351,077 ~32:10/06/2022;33:US ~31:63/500,168 ~32:04/05/2023

2024/09312 ~ Provisional ~54:COMPREHENSIVE STOKVEL MANAGEMENT PLATFORM WITH AI AND BLOCKCHAIN INTEGRATION ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale;Takalani Toni Matshinyatsimbi~

2024/09349 ~ Complete ~54:CONDUCTIVE LINKAGE FOR WORK MACHINE HAVING MULTIPLE DEGREES OF FREEDOM ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, United States of America ~72: STRASHNY, Igor~ 33:US ~31:17/829,440 ~32:01/06/2022

2024/09354 ~ Complete ~54:METHOD AND SYSTEM FOR QUANTIFICATION OF SEVERITY OF A LUNG DISEASE ~71:VEYTEL, INC., 163 Rockwell Lane, Pittsburgh, Pennsylvania 15218, United States of America ~72: CATHERINE M DIETZ;DANIEL M MORRIS;ELLEN K HUGHES;KEVIN J MITCHELL;MICHAEL HOFFELDER~ 33:US ~31:63/364,562 ~32:12/05/2022

2024/09357 ~ Complete ~54:IMPROVED GLYCAN-DEPENDENT CHIMERIC ANTIGEN RECEPTOR CELLS ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street 12th Floor, Oakland, California, 94607-5200, United States of America ~72: MICHAEL DEMETRIOU;RAYMOND WENHOU ZHOU;YANNI ZHU~ 33:US ~31:63/351,746 ~32:13/06/2022

2024/09361 ~ Provisional ~54:MAGNETIC DEBRIS ATTRACTION SYSTEM FOR AUTOMOBILE PROTECTION ~71:ZWELAKHE WINSTON MAHLANGU, 1731B NTUTHUKO STREET, South Africa ~72: ZWELAKHE WINSTON MAHLANGU~

2024/09362 ~ Provisional ~54:HANDHELD TOOL TO DETECT MOLUCELES ATOMS AND DUBATOMIC PARTICLES ~71:JAN HENDRIK VAN EEDEN, 780 RIENEEF STREET, VILLIERIA, South Africa ~72: JAN HENDRIK VAN EEDEN ~

2024/09334 ~ Complete ~54:A SMART AQUAPONICS SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: MORE, Kiran;SHILIMKAR, Siddharth;SHINDE, Madhuri;SHINDE, Mohit;SHINDE, Pranoti;SHINDE, Rishikesh;SHINDE, Sanskruti~

2024/09335 ~ Complete ~54:A SIMULATION OF MICROGRID SYSTEM USING MICROCONTROLLER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: ANSARI, Zayd;HARAD, Anuj;JOSHI, Anita;MAHESKAR, Anshu;SASANE, Anuj;SHIRKE, Anubhav~

2024/09341 ~ Complete ~54:POWER SYSTEMS AND CONTROLS FOR ELECTRIC MACHINES ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: LANE, Cameron T.;STRASHNY, Igor~ 33:US ~31:17/804,959 ~32:01/06/2022

2024/09359 ~ Complete ~54:IMPROVED GLYCAN-DEPENDENT IMMUNOTHERAPEUTIC BI-SPECIFIC FUSION PROTEINS AND CHIMERIC ANTIGEN RECEPTORS ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street 12th Floor, Oakland, California, 94607-5200, United States of America ~72: MICHAEL DEMETRIOU;RAYMOND WENHOU ZHOU~ 33:US ~31:63/351,596 ~32:13/06/2022

2024/09314 ~ Complete ~54:AMORPHOUS FILLER METAL LASER BRAZING FIXTURE ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: WANG, Lili;XIN, Lijun~

2024/09309 ~ Provisional ~54:V2G TECHNOLOGY ENHANCES GRID STABILITY AND PROMOTES A SUSTAINABLE ENERGY ECOSYSTEM BY ENABLING ELECTRIC VEHICLES (EVS) TO RETURN ENERGY TO THE GRID DURING PEAK DEMAND. THIS APPROACH IMPROVES POWER SYSTEM FLEXIBILITY AND BOOSTS THE EFFICIENCY OF DISTRIBUTION NETWORKS THROUGH ADVANCED LOAD MANAGEMENT AND DEMAND RESPONSE STRATEGIES.BI-DIRECTIONAL CHARGING: THE CORE TECHNOLOGY ENABLING V2G, ALLOWING ENERGY EXCHANGE BETWEEN EVS AND THE GRID. ~71:Motlatsi Webster Tsie, 19 Kwagga, South Africa ~72: Motlatsi Webster Tsie~

. - APPLIED ON 2024/12/09 -

2024/09423 ~ Complete ~54:TEMPERATURE-CONTROL COOLING DEVICE FOR SEAMLESS BEARING STEEL PIPE ~71:XinYu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu, People's Republic of China ~72: Chaobin LAI;Chengdi LI;Su SONG;Wenming XIONG;Xiao CHEN;Xiaogang YU;Xu NING;Yanni HU~

2024/09426 ~ Complete ~54:QUALITY INSPECTION DEVICE AND METHOD FOR SEGMENT ERECTION DURING SHIELD TUNNEL CONSTRUCTION BASED ON BINOCULAR VISION ~71:CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD., No. 32, Zhonghuan West Road, Airport Economic Zone, Tianjin 300300, People's Republic of China;THE 2ND ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP, No. 70 Donghai Road, Yantian District, Shenzhen, Guangdong, 518083, People's Republic of China ~72: GUANNAN ZHOU;HUIFANG CAI;JUNLIN LI;SHENGLONG ZHANG;WEIHUI AN;WEITAI FANG;YAFEI WU;YAPING LIU~ 33:CN ~31:202411570688.7 ~32:05/11/2024

2024/09431 ~ Complete ~54:A SERVICE TRANSACTION MANAGEMENT SYSTEM BASED ON BLOCKCHAIN TECHNOLOGY ~71:Lingnan Normal University, No.29 Cunjin Road, chikan District, Zhanjiang City, Guangdong Province, People's Republic of China ~72: Chen Shuling;Yuan Shuai~

2024/09439 ~ Complete ~54:COATED FERTILIZER, METHOD FOR PREPARATION AND USE THEREOF ~71:UPM-Kymmene Corporation, Alvar Aallon katu 1, HELSINKI 00100, FINLAND, Finland ~72: KAMARA, Ibrahim;PIETARINEN, Suvi~ 33:FI ~31:20225610 ~32:30/06/2022

2024/09444 ~ Complete ~54:SEED DRESSING AGENT FOR PROMOTING CROP ROOTING AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:HEILONGJIANG GREEN FOOD SCIENCE RESEARCH INSTITUTE, NO. 2727, CHUANGXIN 1ST ROAD, People's Republic of China;NORTHEAST AGRICULTURAL UNIVERSITY, NO. 600 CHANGJIANG ROAD, People's Republic of China ~72: FENG, Xu;HE, Fumeng;HU, Xiaomei;LI, Fenglan;LI, Xiaozhong;LIU, Dan;TIAN, Miao;WANG, Linlin;WANG, Xue;WANG, Yingnan;YUAN, Qiang~

2024/09453 ~ Complete ~54:ZIRCONIA PHASE TRANSITION-BASED TOUGHENED BASALT FIBER AND PREPARATION METHOD THEREOF ~71:HENAN JIAOYUAN ENGINEERING TECHNOLOGY GROUP CO., LTD, 165 Hang Hai Middle Road, Erqi District, Zhengzhou, Henan, 450064, People's Republic of China;NORTH CHINA UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER, No.136, East Jinshui Road, Zhengzhou, Henan, 450046, People's Republic of China ~72: DENG, Ruonan;GAO, Yanlong;HAO, Xiangdong;JING, Haowen;LI, Wenkai;MENG, Yingying;SHAO, Jinggan;WANG, Baolin;WANG, Jingbo;WANG, Junchao;WANG, Xiao;XIE, Xiangbing~ 33:CN ~31:202410395420.8 ~32:02/04/2024

2024/09458 ~ Complete ~54:VACCINE FOR PROTECTION AGAINST LEPTOSPIRA SEROVAR AUSTRALIS ~71:Intervet International B.V., Wim de Körverstraat 35, BOXMEER 5831 AN, THE NETHERLANDS, Netherlands ~72: HEGGE, Jorrit;KLAASEN, Henricus Leo Bernardus Maria~ 33:EP ~31:22180305.9 ~32:22/06/2022

2024/09474 ~ Complete ~54:METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DETERMINING MODELS FOR PREDICTING REOCCURRING TRANSACTIONS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: CHEAH, Soon-Ee;DOAN, Danny;DRIDAN, Rebecca;QIN, Allen~ 33:AU ~31:2022901440 ~32:27/05/2022;33:NZ ~31:PCT/NZ2022/050161 ~32:30/11/2022

2024/09420 ~ Complete ~54:NEW YIELDING ARCH FRAME FOR TUNNELS IN EXPANSIVE SOIL LAYERS AND MANUFACTURING METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: HUANG Yunchao;LIU Hao;PAN Rui;REN Mingyang;ZHANG Xutao~

2024/09430 ~ Complete ~54:TWO-DIMENSIONAL FERROMAGNETIC SINGLE CRYSTAL CR1-XVXI3 AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Huainan Normal University, Huainan Normal University, Dongshan West Road, Tianjia 'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Quan Guiying;Zhang Ying~ 33:CN ~31:202411285875.0 ~32:13/09/2024

2024/09434 ~ Complete ~54:A FLUORESCENT TRACER POLYESTER SCALE INHIBITOR AND A PREPARATION METHOD AND APPLICATION THEREOF ~71:LINGNAN NORMAL UNIVERSITY, 29 Cunjin Road, Chikan District, Zhanjiang City, Guangdong Province, 524037, People's Republic of China ~72: Dongning He;Jiuying Feng;Lijun Gao;Yanbei Guo~ 33:CN ~31:202310839495.6 ~32:10/07/2023

2024/09447 ~ Complete ~54:METHOD AND SPRAYER SYSTEM FOR CALIBRATING DOSING VALVES FOR FLUID INJECTION ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: PLATTNER, Chad;STUBER, Luke;SWANSON, Todd;WIEGAND, Brent~ 33:US ~31:63/367,230 ~32:29/06/2022

2024/09460 ~ Complete ~54:HIGHLY POTENT ISVD COMPOUNDS CAPABLE OF SUBSTITUTING FOR FVIII(A) ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD 2880, DENMARK, Denmark ~72: BJELKE, Jais Rose;BUYSE, Marie-Ange;DE TAVERNIER, Evelyn;EGEBJERG, Thomas;FULLE, Simone;GRANATA, Daniele;GREISEN, Per J.;HUBALEK, Frantisek;JOHANSSON, Eva;LUND, Jacob;NORRMAN, Mathias;SASSENE, Philip Jonas;STEFFENSEN, Soren;VEGGE, Andreas~ 33:EP ~31:22183825.3 ~32:08/07/2022

2024/09466 ~ Complete ~54:INVERSION MACHINE FOR LINED HOSES AND METHOD FOR USING THE SAME ~71:SUN YAT-SEN UNIVERSITY, No. 135, Xin Gang Xi Road, People's Republic of China ~72: HE, Chunliang;HUANG, Sheng;MA, Baosong~ 33:CN ~31:202310907526.7 ~32:24/07/2023

2024/09459 ~ Complete ~54:FCRN/HSA BINDING MOLECULES AND METHODS OF USE ~71:argenx BV, Industriepark-Zwijnaarde 7, Zwijnaarde, GHENT 9052, BELGIUM, Belgium ~72: BAUMEISTER, Judith;BIGIRIMANA, René;BLANCHETOT, Christophe;BOBKOV, Vladimir;DE HAARD, Johannes;SILENCE, Karen;VAN SANTBERGEN, Jolien~ 33:US ~31:63/352,589 ~32:15/06/2022

2024/09448 ~ Complete ~54:PREPARATION METHOD FOR L-6-HYDROXYTRYPTOPHAN DERIVATIVE AND INTERMEDIATE ~71:INNER MONGOLIA DUHE INNOVATION R AND D TECHNOLOGY CO., LTD, RM 307, East Side, 3rd Floor Of Xingzhi Incubation Park, Jinqiao Entrepreneurship Demonstration Zone, Jinqiao Economic And Technological Development Zone, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China;INNER MONGOLIA UNIVERSITY, 235 Daxue West Road, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China ~72: LI, Zongwei;LIU, Guodu;YAN, Xinlong~ 33:CN ~31:202410256775.9 ~32:07/03/2024

2024/09452 ~ Complete ~54:POLYETHYLENE -BASALT FIBER COMPOSITE MODIFIED ASPHALT MIXTURE AND PREPARATION METHOD THEREFOR ~71:HENAN COLLEGE OF TRANSPORTATION, 165 Hang Hai Middle Road, Erqi District, Zhengzhou, Henan, 450000, People's Republic of China;HENAN JIAOYUAN ENGINEERING TECHNOLOGY GROUP CO., LTD, 165 Hang Hai Middle Road, Erqi District, Zhengzhou, Henan, 450000, People's Republic of China ~72: GAO, Yanlong;LI, Wenkai;LIU, Jiaqi;SHAO, Jinggan;WANG, Baolin;WANG, Junchao;XIE, Xiangbing~ 33:CN ~31:202410042575.3 ~32:11/01/2024

2024/09425 ~ Complete ~54:A DEVICE FOR PROTECTING AN ASSET ~71:G-MATRIX SYSTEMS (PTY) LTD, Building 3, Highgrove Office Park, 50 Tegel Avenue, Highveld Park, Centurion, 0157, South Africa ~72: CHRISTIAAN ABRAHAM ALBERTS;QUINTIN VAN WYNGAARDT~ 33:ZA ~31:2023/08608 ~32:08/09/2023

2024/09427 ~ Complete ~54:RNA-GUIDED TRANSCRIPTIONAL REGULATION ~71:PRESIDENT AND FELLOWS OF HARVARD COLLEGE, 17 Quincy Street, Cambridge, Massachusetts, 02138, United States of America ~72: GEORGE M CHURCH;KEVIN M ESVELT;PRASHANT G MALI~ 33:US ~31:61/830,787 ~32:04/06/2013

2024/09432 ~ Complete ~54:SOLAR COLLECTOR ARRANGEMENT ~71:UNIVERSITY OF PRETORIA, Lynnwood Road, Hillcrest, PRETORIA 0002, SOUTH AFRICA, South Africa ~72: LE ROUX, Willem Gabriel;ROOSENDAAL, Casey;SWANEPOEL, Jonathan Kyle~ 33:ZA ~31:2022/06501 ~32:13/06/2022

2024/09441 ~ Complete ~54:DEGRADATION OF IRAK4 BY CONJUGATION OF IRAK4 INHIBITORS WITH E3 LIGASE LIGAND AND METHODS OF USE ~71:BeiGene, Ltd., Mourant Governance Services (Cayman) Limited, 94 Solaris Avenue, Camana Bay, GRAND CAYMAN KY1-1108, CAYMAN ISLANDS, Cayman Islands ~72: LIU, Huaqing;SUN, Dongqing;WANG, Zhiwei~ 33:IB ~31:2022/097833 ~32:09/06/2022;33:IB ~31:2022/128219 ~32:28/10/2022;33:IB ~31:2023/093639 ~32:11/05/2023

2024/09397 ~ Complete ~54:SCRAPING DEVICE FOR TRADITIONAL CHINESE MEDICINE NURSING ~71:The First Affiliated Hospital of Henan University of CM, No. 19 Renmin Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Mao Jing;Qin Yuanmei;Wang Juan;Zhang Yuxin;Zhong Yuan~ 33:CN ~31:202411558713.X ~32:04/11/2024

2024/09399 ~ Complete ~54:METHOD FOR PREPARING TITANIUM-CONTAINING SLAG BY MELTING VANADIUM-TITANIUM-CONTAINING MAGNETITE ~71:HEBEI HBIS MATERIALS TECHNOLOGY RESEARCH INSTITUTE CO.,LTD., No. 15 Yangzi Road, Shijiazhuang Economic & Technological Development Zone, Gaocheng District, Shijiazhuang City, People's Republic of China ~72: GAO, Minglei;LI, Lanjie;LI, Yiren;WANG, Gairong;WANG, Haixu;WANG, Lanyu;ZHANG, Caidong;ZHAO, Suxing~

2024/09415 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale M;LEVY, Kent;O'NEALL, Matthew;SCHAEFER, Timothy A;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09416 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale M;LEVY, Kent;O'NEALL, Matthew;SCHAEFER, Timothy A;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09379 ~ Complete ~54:PORTABLE TREATMENT DEVICE FOR INDOOR AQUACULTURE WASTEWATER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: GUO Xiang;LI Tong;LIU Biao;LIU Kai;WANG Gongmao;WU Junfeng;XIE Nana;ZHANG Chao;ZHAO Weichen;ZHOU Tong~

2024/09381 ~ Complete ~54:TERAHERTZ OAM RING CORE PHOTONIC CRYSTAL FIBER ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: HOU, Xihuan;LIANG, Jing;SHI, Huimin;TANG, Wanwei;WANG, Chao;WANG, Lixia~

2024/09384 ~ Complete ~54:A NASAL CAVITY CLEANING DEVICE FOR PEDIATRIC CLINICAL DIAGNOSIS AND TREATMENT ~71:Guangzhou Medical University, No. 1 Xinzao Road, Xinzao Town, Panyu District, Guangzhou City, Guangdong Province, 511436, People's Republic of China ~72: Hongyan Liu;Xien Yang~

2024/09386 ~ Complete ~54:A RAPID DISCONNECTION DEVICE FOR NETWORK SECURITY ~71:Wenzhou Medical University, Wenzhou Medical University, Chashan Higher Education Park, Ouhai District, Wenzhou City, Zhejiang Province, 325035, People's Republic of China ~72: Qiao Liu~

2024/09390 ~ Complete ~54:DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING ~71:UNIVERSITY OF JOHANNESBURG, Cnr Kingsway Avenue and University Road, Auckland Park, JOHANNESBURG 2006, SOUTH AFRICA, South Africa ~72: ANDREW, Richard Charles;CONNELL, Simon Henry;COOK, Martin Nkululeko Hogan~ 33:ZA ~31:2018/08343 ~32:11/12/2018

2024/09398 ~ Complete ~54:DISASSEMBLING DEVICE FOR COPPER COIL OF ELECTRIC VEHICLE HUB ~71:Zhongxi Tianma New Material Technology Co., Ltd, 1000 Meters East of Maying Township Government, Liangshan County, Jining City, Shandong Province, 272600, People's Republic of China ~72: DING, Yingjie;GAO, Xigui;HAO, Zonghua;LIN, Ping;MIAO, Zhenyu;QU, Sheng;SHANG, Chengpeng;SHI, Zhuangxiu;SUN, Mingxia;ZHAO, Yeji;ZHOU, Yushuang~ 33:CN ~31:202411258814.5 ~32:09/09/2024

2024/09411 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;LEVY, Kent~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09392 ~ Complete ~54:LAMB INCUBATOR BOX FOR MUTTON SHEEP BREEDING ~71:Animal husbandry veterinarian service center of Yulin city, No.124 Shangjun Street, Yulin City, Shaanxi Province, 718000, People's Republic of China ~72: Feng Bo;Li Wei;Liu Fang;Liu Wang;Ma Dong;Ma Liaowei~

2024/09393 ~ Complete ~54:UNINTERRUPTIBLE POWER SUPPLY SYSTEM WITH FAULT CLEARING CAPABILITY ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: ZHANG, Guoxu;ZHANG, Yajing~

2024/09395 ~ Complete ~54:MULTI-MODAL INFORMATION DEBIASING RECOMMENDATION METHOD FOR BREAKING THROUGH INFORMATION COCOONS ~71:Xinyu University, 2666 Sunshine Avenue, High-Tech Zone, Xinyu City, Jiangxi Province, People's Republic of China ~72: Luo Jun;Peng Xiaojun;Sun Yanping;Wang Chengyuan;Yan Zhiyong~

2024/09364 ~ Provisional ~54:PIPING AND DUCTING ~71:LAMONT, Dian, 50 Aries Avenue, Sundowner, Randburg 2161, Gauteng, SOUTH AFRICA, South Africa ~72: LAMONT, Dian~

2024/09401 ~ Complete ~54:A DOUBLE CRANKSHAFT RECIPROCATING ENGINE ~71:FANG, Shufeng, Fugui Jiayuan 2-206, Tanggu Street, Binhai New Area, People's Republic of China ~72: FANG, Shufeng~ 33:CN ~31:202411082796X ~32:07/08/2024

2024/09405 ~ Complete ~54:A TYPE OF AGRICULTURAL SPRINKLER TRUCK ~71:Anhui Science and Technology University, No.9 Donghua Road, Fengyang County, Anhui Province, 233100, People's Republic of China ~72: Qi Xiulong;Xiang Zhudong;Zheng Qian;Zheng Ran;Zhou Longfei~

2024/09406 ~ Complete ~54:TEACHING DEVICE FOR KOREAN LANGUAGE TEACHING ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou, Anhui, People's Republic of China ~72: Fei Cao;Jiguang Zhao~

2024/09464 ~ Complete ~54:COMPOUNDS FOR TREATMENT A CORONAVIRUS INFECTION ~71:TRAWSFYNYDD THERAPEUTICS, INC., 12730 High Bluff Drive, Suite 100, United States of America ~72: ABAGYAN, Ruben;BERISHVILI, Vladimir;KYSIL, Volodymyr;LAM, Polo Chun-Hung;LI, Haishan;MORENO, Sandra Margarita Medina;ORRY, Andrew;PAUZA, Charles David;ROGOVOY, Boris;SAVCHUK, Nikolay;ZAPATA, Juan Carlos~ 33:US ~31:63/353,354 ~32:17/06/2022;33:US ~31:63/414,287 ~32:07/10/2022

2024/09470 ~ Complete ~54:DIAGONAL BRACING STRUCTURE FOR FRONT SUPPORTING LEG OF BRIDGE ERECTING MACHINE AND CONSTRUCTION METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JINGJUN LI~ 33:CN ~31:2024106761724 ~32:29/05/2024

2024/09471 ~ Complete ~54:ENERGY DISSIPATION SELF-ANCHORED CAISSON ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: YANSONG SU~ 33:CN ~31:2024105870739 ~32:13/05/2024

2024/09418 ~ Complete ~54:BOOK RESOURCE MANAGEMENT METHOD AND DEVICE ~71:HENAN AGRICULTURAL UNIVERSITY, 218 Ping'an Avenue, Zhengdong New District, Zhengzhou, Henan, 450046, People's Republic of China ~72: GUO, Xiao;XIAO, Xianghong~

2024/09419 ~ Complete ~54:DISCHARGE SYSTEM FOR DESULFURIZATION WASTEWATER IN POWER PLANT ~71:Huadian Water Technology Co., Ltd., 601-1, Unit 1, Building 1, No. 6 East Automobile Museum Road, Fengtai District, Beijing, 100070, People's Republic of China ~72: CUI, Desheng;JIA, Yingying;LI, Hongxiu;LI, Weilin;LIU, Jin;QIN, Shupeng;WANG, Qi;WU, Xi;XIE, Zheng;YAN, Caixia;YE, Shurong;ZHANG, Bo;ZHANG, Yan~

2024/09421 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;SCHAEFER, Timothy A;SPLECHTER, Hayden;SWANSON, Todd~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09428 ~ Complete ~54:ROOF BOLTING APPARATUS AND METHOD ~71:CMTI CONSULTING (PTY) LTD, The Point, Unit A1, 23 Sterling Road, South Africa ~72: BURGER, Nicolaas, Daniel, Lombard~ 33:ZA ~31:2023/08606 ~32:08/09/2023

2024/09429 ~ Complete ~54:ECOLOGICAL RESTORATION METHOD FOR SODA-TYPE SALINE-ALKALI SOIL ~71:Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, No. 4888 Shengbei Street, Changchun City, Jilin Province, 130012, People's Republic of China ~72: CHEN, Guoshuang;JIANG, Fanqi;LI, Xiaoyu;LIU, Hongyuan;WANG, Miao;WEN, Bolong~

2024/09433 ~ Complete ~54:METHOD FOR CULTURING CELLS REQUIRING A SUPPLY OF IRON ~71:SAFI BIOTHERAPEUTICS INC., 251 Little Falls Drive, United States of America ~72: GIARRATANA, Marie-Catherine;MAESTRALI, Mathilde;RASSCHAERT, Fanny;ROUSSEAU, Guillaume~ 33:FR ~31:FR2205547 ~32:09/06/2022

2024/09435 ~ Complete ~54:ELECTROACOUSTIC TRANSDUCER ~71:LECHLEITNER, Carl Maria Ingwar, Im Bäckerwinkel 18, LINZ 4030, AUSTRIA, Austria ~72: LECHLEITNER, Carl Maria Ingwar~ 33:AT ~31:A 50369/2022 ~32:25/05/2022

2024/09437 ~ Complete ~54:A JAW ASSEMBLY OF A JAW CRUSHER ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BAXTER, Adam;GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:22180041.0 ~32:21/06/2022

2024/09438 ~ Complete ~54:HYDRAULIC SYSTEM FOR JAW CRUSHER ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BAXTER, Adam;GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:22180031.1 ~32:21/06/2022

2024/09440 ~ Complete ~54:INJECTABLE HYDROGEL ~71:Allegro NV, Olieweg 95, ANTWERP 2020, BELGIUM, Belgium ~72: DECUYPERE, Lucas;SCHELFHOUT, Jorg~ 33:EP ~31:22177724.6 ~32:08/06/2022

2024/09443 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING AND RESISTING BLOOD COAGULATION AND USE THEREOF ~71:CHENGDU SHIBEIKANG BIOMEDICAL TECHNOLOGY CO., LTD., No. 1, 1st Floor, Unit 1, Building 26 No.2, Tianyu Road, People's Republic of China ~72: MOU, Xia;NIE, Yu;SU, Yongwen;YI, Zeqin;ZHANG, Hai~ 33:CN ~31:202210688248.6 ~32:17/06/2022

2024/09446 ~ Complete ~54:AMBIENT TEMPERATURE NUCLEIC ACID AMPLIFICATION AND DETECTION ~71:SHERLOCK BIOSCIENCES, INC., 200 Talcott Ave. First Floor, Watertown, Massachusetts, United States of America ~72: ACHEAMPONG, Joycelynn;ALMEIDA, Deborah;ANGENENT-MARI, Nicolaas;DESMOND, Max;GOYAL, Nadish;HUANG, Shichu;JONEJA, Aric;NATOLI, Mary;WILSON, Mary Katherine~ 33:US ~31:63/358,065 ~32:01/07/2022

2024/09449 ~ Complete ~54:METHOD FOR PREPARING CYCLIC PEPTIDE TOXIN ALPHA-AMANITIN AND/OR AMANINAMIDE, AND INTERMEDIATE AND USE THEREOF ~71:INNER MONGOLIA DUHE INNOVATION R AND D TECHNOLOGY CO., LTD, RM 307, East Side, 3rd Floor Of Xingzhi Incubation Park, Jinqiao Entrepreneurship Demonstration Zone, Jinqiao Economic And Technological Development Zone, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China;INNER MONGOLIA UNIVERSITY, 235 Daxue West Road, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China ~72: GUO, Yanyan;LI, Zongwei;LIU, Guodu;YAN, Xinlong;ZHANG,Tao~ 33:CN ~31:202410257131.1 ~32:07/03/2024

2024/09455 ~ Complete ~54:METHOD ~71:Green Sol-Gel Ltd, Unit B1093A, Kent Science Park, Galley Drive, SITTINGBOURNE ME9 8GA, KENT, UNITED KINGDOM, United Kingdom ~72: ISMAIL, Fanya~ 33:GB ~31:2207061.9 ~32:13/05/2022

2024/09457 ~ Complete ~54:HYDROGEN-FUELED SUBMERGED COMBUSTION MELTER AND GLASS MELTING SYSTEM INCLUDING THE SAME ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: SMITH, Roger;WANG, Zhongming;WEIL, Scott~ 33:US ~31:17/883,798 ~32:09/08/2022

2024/09462 ~ Complete ~54:METHODS TO SELECT ANTIBODIES SPECIFIC TO COMPLEX MEMBRANE ANTIGENS ~71:Vaccinex, Inc., 1895 Mt. Hope Avenue, ROCHESTER 14620, NY, USA, United States of America ~72: BALCH, Leslie A.;GIL-MOORE, Malgorzata;KIRK, Renee A.;MUELLER, Loretta L.;SCRIVENS, Maria G.M.;SMITH, Ernest S.~ 33:US ~31:63/350,939 ~32:10/06/2022

2024/09467 ~ Complete ~54:DRIVER EVALUATION DEVICE AND DRIVER EVALUATION SYSTEM ~71:YAZAKI CORPORATION, 8-15, Konan 1-Chome, Minato-ku, Tokyo, 1080075, Japan ~72: KOSUKE KOGO~ 33:JP ~31:2022-114986 ~32:19/07/2022

2024/09473 ~ Complete ~54:MODULE, MODULAR TRANSPORT AND DISPLAY UNIT FOR TRANSPORTING AND DISPLAYING PRODUCTS, AND RELATED METHODS ~71:CHEP TECHNOLOGY PTY LIMITED, Level 29, 255 George Street, Australia ~72: CAPPUYNS, Nicolas;LOPEZ URAN, Daniel~ 33:GB ~31:2209592.1 ~32:29/06/2022;33:GB ~31:2214457.0 ~32:03/10/2022

2024/09417 ~ Complete ~54:METHODS AND COMPOSITIONS FOR INCREASING EFFICIENCY OF TARGETED GENE MODIFICATION USING OLIGONUCLEOTIDE-MEDIATED GENE REPAIR ~71:CIBUS EUROPE B.V., GOESSESTRAATWEG 19, NL-4421 AD KAPELLE, THE NETHERLANDS, Netherlands;CIBUS US LLC, 6455 NANCY RIDGE DRIVE, SAN DIEGO, CA 92121, USA, United States of America ~72: BEETHAM, Peter, R.;GOCAL, Gregory, F.W.;MOZORUK, Jerry;PEARCE, James;SAUER, Noel;SCHOPKE, Christian;SEGAMI, Rosa, E.~ 33:US ~31:61/953,333 ~32:14/03/2014;33:US ~31:62/051,579 ~32:17/09/2014;33:US ~31:62/075,811 ~32:05/11/2014;33:US ~31:62/075,816 ~32:05/11/2014;33:US ~31:62/133,129 ~32:13/03/2015

2024/09456 ~ Complete ~54:A LIQUID-LIQUID-SOLID EXTRACTION PROCESS FOR ISOLATING NATURAL PRODUCTS FROM A FEEDSTOCK STREAM ~71:Neste Oyj, Keilaranta 21, ESPOO 02150, FINLAND, Finland ~72: BRYANT, David Robert;KANEL, Jeffrey Scott;STILL, Cecilia Alexandra~ 33:US ~31:63/351,651 ~32:13/06/2022

2024/09424 ~ Complete ~54:A METHOD FOR EXTRACTING TOBACCO PLANTING REGIONS BASED ON PIE AND SENTINEL-2 ~71:Kunming University of Science and Technology, No. 68, Wenchang Road, Yi'eryi Avenue, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Chengzhuo Lu;Jie Lv;Lei Zi;Wei Li;Xiaolun Zhang;Yanyan Shao~

2024/09436 ~ Complete ~54:BENZOPYRIMIDIN-4(3H)-ONES AS PI3K INHIBITORS ~71:OnKure, Inc., 6707 Winchester Circle, Suite 400, BOULDER 80301, CO, USA, United States of America ~72: BLAKE, James F.;BOYS, Mark Laurence;MARESKA, David A.;PAYETTE, Joshua Nathaniel;SCHULTE, Christie A.;YESTREPSKY, Bryan;ZHAO, Qian~ 33:US ~31:63/350,234 ~32:08/06/2022

2024/09450 ~ Complete ~54:PREPARATION METHOD FOR (2S,3R,4R)-4,5-DIHYDROXY ISOLEUCINE DERIVATIVE AND INTERMEDIATE ~71:INNER MONGOLIA DUHE INNOVATION R AND D TECHNOLOGY CO., LTD, RM 307, East Side, 3rd Floor Of Xingzhi Incubation Park, Jinqiao Entrepreneurship Demonstration Zone, Jinqiao Economic And Technological Development Zone, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China;INNER MONGOLIA UNIVERSITY, 235 Daxue West Road, Saihan District, Huhhot, Inner Mongolia, 010021, People's Republic of China ~72: LI, Zongwei;LIU, Guodu;YAN, Xinlong~ 33:CN ~31:202410257052.0 ~32:07/03/2024

2024/09454 ~ Complete ~54:AMMONIA SYNTHESIS CATALYST AND PROCESS FOR ITS PREPARATION ~71:Casale SA, Via Giulio Pocobelli 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: BIASI, Pierdomenico;GAIGNEAUX, Eric;PIZZOLITTO, Cristina;SMEETS, Valentin~ 33:EP ~31:22172459.4 ~32:10/05/2022

2024/09376 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING NEUROLOGICAL AND NEURODEGENERATIVE DISEASES ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09387 ~ Complete ~54:A STRAIN OF STREPTOMYCES AND ITS APPLICATION IN PLANTS ~71:Beijing Academy of Agriculture and Forestry Sciences, No.9 Middlie Shuguanghuayuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: Dan DONG;Huiling WU;Ting LIU~

2024/09396 ~ Complete ~54:ELECTRONIC INFORMATION AUTOMATION CONTROL DEVICE ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Liu Gang;Liu Hesheng;Liu Jiamin;Sun Yanping;Yu Longhai;Zhong Yuan~

2024/09413 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale M;SWANSON, Todd~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09368 ~ Provisional ~54:AI ENHANCED QUANTUM GEOTHERMAL SYSTEM MANAGEMENT ~71:GEIOS TECHNOLOGIES AI EQG, N°5 Sturdee Avenue, Suite 301, Rosebank, Johannesburg, 2196, South Africa ~72: SERROUNE ABDELMOUMEN SHAD~

2024/09373 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING AUTOIMMUNE DISEASES ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09374 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING, REVERSING OR PREVENTING CANCER ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09461 ~ Complete ~54:METHOD FOR MANUFACTURING FILLER-CONTAINING COMPOSITIONS WITH A SPECIFIC CURING REGIMEN ~71:Plantics Holding B.V., Westervoortsedijk 73 BF, ARNHEM 6827 AV, THE NETHERLANDS, Netherlands ~72: BAKKER, Wridzer Jan Willem;NOORDZIJ, Geert Jan;PERVAN, Nikolina;PREESMAN, Joost Jeroen;SNIJDERS BLOK, Kwinten Paulus~ 33:EP ~31:22175473.2 ~32:25/05/2022

2024/09463 ~ Complete ~54:COMBINATION THERAPY COMPRISING SIRP ALPHA FUSION PROTEIN AND ANTI-CD19 ANTIBODY FOR TREATMENT OF CANCER ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: BRUNS, Ingmar;LINCHA, Victor Ruberio;MEECH, Sandra Jean;SCHEUBER, Anita;WANG, Diane Dan;WANG, Yibo~ 33:US ~31:63/351,117 ~32:10/06/2022;33:US ~31:63/494,500 ~32:06/04/2023

2024/09465 ~ Complete ~54:COMPOUNDS FOR TREATMENT OF A CORONAVIRUS INFECTION ~71:TRAWSFYNYDD THERAPEUTICS, INC., 12730 High Bluff Drive, Suite 100, United States of America ~72: ABAGYAN, Ruben;BERISHVILI, Vladimir;KYSIL, Volodymyr;LAM, Polo Chun-Hung;LI, Haishan;MORENO, Sandra Margarita Medina;ORRY, Andrew;PAUZA, Charles David;ROGOVOY, Boris;SAVCHUK, Nikolay;ZAPATA, Juan Carlos~ 33:US ~31:63/353,354 ~32:17/06/2022;33:US ~31:63/414,287 ~32:07/10/2022

2024/09469 ~ Complete ~54:SUPPORTING STRUCTURE FOR FOUNDATION PIT OF GARBAGE STORAGE PIT 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 ~31:2024106346581 ~32:22/05/2024

2024/09422 ~ Complete ~54:ECO-FRIENDLY MOSQUITO REPELLENT CAKES MADE FROM NATURAL INGREDIENTS FOR EFFECTIVE PEST CONTROL ~71:Dr. Jyochhana Priya Mohanty, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Dr. Pallab Ghosh, Global College of Pharmaceutical Technology, Palpara More, NH 34, Krishnanagar, West Bengal, 741102, India;Mr. Krishnendu Ghosh, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Mr. Rajat Das, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Mr. Safal Sharma, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Mr. Sonam Bhutia, Government Pharmacy College Sajong, Gangtok, Sikkim, 737135,

India;Mrs. Shreetama Roy, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Ms. Amrita Ghosh, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India;Ms. Shrestha De, Seacom Skills University, Bolpur, Kendradangal, West Bengal, 731236, India;Ms. Surabhi Mandal, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim, 737136, India ~72: Dr. Jyochhana Priya Mohanty;Dr. Pallab Ghosh;Mr. Krishnendu Ghosh;Mr. Rajat Das;Mr. Safal Sharma;Mr. Sonam Bhutia;Mrs. Shreetama Roy;Ms. Amrita Ghosh;Ms. Shrestha De;Ms. Surabhi Mandal~

2024/09442 ~ Complete ~54:SELECTIVE EXTRACTION OF RHODIUM FROM HYDROCHLORIC ACID SOLUTIONS COMPRISING RHODIUM AND IRIDIUM ~71:Johnson Matthey Public Limited Company, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom;The University Court of the University of Edinburgh, Old College, South Bridge, EDINBURGH EH8 9YL, UNITED KINGDOM, United Kingdom ~72: CARRICK, Andrew;LOVE, Jason;MORRISON, Carole;OSHAUGNESSY, Paul Noel;PATRICK, Jane Helen;SCHOFIELD, Emma~ 33:GB ~31:2211199.1 ~32:01/08/2022

2024/09445 ~ Complete ~54:METHOD OF COATING A PIPE ~71:BROWNLOW, George, 340A Spionkop Road, Northriding, South Africa ~72: BROWNLOW, George~ 33:ZA ~31:2022/06449 ~32:12/07/2022

2024/09451 ~ Complete ~54:ABCA4 TRANS-SPLICING MOLECULES ~71:ASCIDIAN THERAPEUTICS, INC., 80 GUEST STREET, BOSTON, MASSACHUSETTS 02135, USA, United States of America ~72: BELL, Robert;BURKHART, Kirk;CLEMENS, Adam;DOI, Akiko;DOOLEY, Scott;GOSIK, Kirk;GRAY, Jesse;KRUMBACH, Rebekka;NOMA, Akiko;PENG, Lingtao;SLOMOVIC, Shimyn;WU, Dennis~ 33:US ~31:63/341,665 ~32:13/05/2022;33:US ~31:63/478,472 ~32:04/01/2023

2024/09363 ~ Provisional ~54:HYDROSTATIC ENERGY CONVERTER ~71:PETRUS JACOBUS BADENHORST, 52 Olivier street, South Africa ~72: BADENHORST, PETRUS JACOBUS~

2024/09366 ~ Provisional ~54:NITROGEN HYBRID GAS NANOFOAM ENHANCED QUANTUM GEOTHERMAL ~71:SERROUNE ABDELMOUMEN SHAD, N°5 Sturdee Avenue, Suite 301, Rosebank, Johannesburg, 2196, South Africa ~72: SERROUNE ABDELMOUMEN SHAD~

2024/09367 ~ Provisional ~54:NANOTECH RODS HEAT EXCHANGER FOR GEOTHERMAL AND HEAT APPLICATION ~71:GEIOS TECHNOLOGIES, N°5 Sturdee Avenue, Suite 301, Rosebank, Johannesburg, 2196, South Africa ~72: SERROUNE ABDELMOUMEN SHAD~

2024/09372 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR DELAYING BIOLOGICAL AGING ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09375 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING MALARIA ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09377 ~ Complete ~54:VISUAL IRRIGATION DECISION-MAKING AUXILIARY SYSTEM BASED ON WEATHER FORECASTING AND CONTROL METHOD ~71:INSTITUTE OF PASTORAL HYDRAULIC RESEARCH, MWR(IPHR), NO. 16, UNIVERSITY EAST ROAD, SAIHAN DISTRICT, HOHHOT CITY, People's Republic of China ~72: CHEN, Yuxin;GAO, Tianming;GUO, Haiwei;HAN, Rui;LIU, Wei;LU, Yuyang;REN, Meili;WANG, Xin;YANG, Shuai;ZHANG, Jing;ZHANG, Weiming;ZHOU, Xu~ 33:CN ~31:2024101501735 ~32:02/02/2024

2024/09380 ~ Complete ~54:ADDITIVE FOR ASPHALT ~71:ECOPALS GMBH, Strelitzer Str. 60, Germany ~72: Jonas VARGA~

2024/09389 ~ Complete ~54:DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING ~71:UNIVERSITY OF JOHANNESBURG, Cnr Kingsway Avenue and University Road, Auckland Park, JOHANNESBURG 2006, SOUTH AFRICA, South Africa ~72: ANDREW, Richard Charles;CONNELL, Simon Henry;COOK, Martin Nkululeko Hogan~ 33:ZA ~31:2018/08343 ~32:11/12/2018

2024/09414 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale M;LEVY, Kent;O'NEALL, Matthew;SWANSON, Todd~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09400 ~ Complete ~54:METHOD FOR LOW-CARBON UTILIZATION OF VANADIUM-TITANIUM-CONTAINING MAGNETITE ~71:HEBEI HBIS MATERIALS TECHNOLOGY RESEARCH INSTITUTE CO.,LTD., No. 15 Yangzi Road, Shijiazhuang Economic & Technological Development Zone, Gaocheng District, Shijiazhuang City, People's Republic of China ~72: GAO, Minglei;HAN, Xing;LI, Lanjie;LI, Yiren;WANG, Haixu;WANG, Lanyu;ZHANG, Caidong;ZHAO, Suxing~

2024/09468 ~ Complete ~54:GEAR SHIFTING DEVICE, TRANSMISSION MECHANISM, AND WIND TURBINE GENERATOR SYSTEM ~71:BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD., No. 19, Kangding Road, Beijing Economic & Technological Development Zone, Daxing District, Beijing, 100176, People's Republic of China ~72: HONGLEI XU;SI GAO;XIAOLAN AI;XINLIANG SONG;YULIANG YANG~ 33:CN ~31:202210583186.2 ~32:26/05/2022

2024/09472 ~ Complete ~54:SUPPORTING FRAME CONVENIENT FOR DISASSEMBLY ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JIAPENG SHI~ 33:CN ~31:2024105995594 ~32:15/05/2024

2024/09391 ~ Complete ~54:PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[(2S)-1-(BUT-2-YNOYL)-PYRROLIDIN-2-YL]IMIDAZO[1,5-A]-PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE ~71:Acerta Pharma B.V., Kloosterstraat 9, OSS 5349 AB, THE NETHERLANDS, Netherlands ~72: BETHEL, Paul Allen;CHAN, Lai Chun;COOPER, Katie Grace;COX, Robert John;EVARTS, Jerry;GARREY, Rustam Ferdinand;GOLDEN, Michael David;HUGHES, Shaun Alan;JACKSON, Lucinda Victoria;JUNYING, Qiu;LAWLER, Michael Joseph;LITJENS, Remy E. J. N.;MILLARD, Kirsty Jane;PHILLIPS, Andrew John;SHORT, David Allen;TELFORD, Alexander James;VAN EIJK, Peter Johannes Servaas Savio;VERSTAPPEN, Mathilda Maria Henrica;VOS, Frank L. M.;WANG, Angang;ZIJP, Eric Jurriën~ 33:US ~31:62/724,228 ~32:29/08/2018

2024/09408 ~ Complete ~54:CONSTRUCTION METHOD FOR STEEL TUBE ARCH ~71:Bridge & Tunnel Engineering Company of the Third Engineering Group Co. Ltd.of China Railway, No. 666 Jinfenghuang Avenue, Jinniu High tech Industrial Park, Chengdu, Sichuan Province, 610000, People's Republic of China;China Railway NO.3 GROUP Co., LTD, No. 269 Yingze Street, Yingze District, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Chu Xiaohui;Du Penghong;Jiang Mingbo;Liaobin;Shi Jisheng;Shi Xingkai;Yi Xiankun;Zhang Lianguo~ 33:CN ~31:2023117108385 ~32:13/12/2023

2024/09370 ~ Provisional ~54:BALLOON CATHETER SYSTEM WITH INTEGRATED MAIN AND BRANCHED BALLOON COMPONENTS FOR BIFURCATED DEPLOYMENT ~71:HOOP MEDICAL LIMITED, Unit 2 S&J, Ardcavan Business Park, Ireland ~72: MUDGE, Edward Charles~

2024/09371 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING TYPE 2 DIABETES MELLITUS ~71:VIRO-GEN (PTY) LTD, 313 CLIFF AVENUE, WATERKLOOF

RIDGE X2, South Africa ~72: ALEXANDRE, Kabamba Bankoledi;SMIT, Michelle Olga Patricia Giesteira Da Silva~

2024/09404 ~ Complete ~54:ANALYSIS METHOD AND SYSTEM FOR MALFUNCTIONS OF RELAY PROTECTION DEVICE COMPONENT BASED ON MULTIPHYSICS SIMULATION ~71:Nanjing Ninghan Power Automation Co., Ltd., No. 286, 2nd Floor, Building 14, No. 58 Xiaoxing Road, Yuhuatai District, Nanjing City, Jiangsu Province, 210012, People's Republic of China;Qinzhou Power Supply Bureau, Guangxi Power Grid Corporation, No.1, Sanyan Road, Qinzhou City, Guangxi, 535000, People's Republic of China ~72: LAN, Lili;LI, Haidong;LI, Wenwei;LU, Zonghong;LV, Mingdao;PAN, Zhongning;PANG, Limei;WANG, Xiaoming;YOU, Rou~

2024/09409 ~ Complete ~54:A SUPPORT APPARATUS FOR TUNNEL CONSTRUCTION ~71:Bridge & Tunnel Engineering Company of the Third Engineering Group Co. Ltd. of China Railway, No. 666 Jinfenghuang Avenue, Jinniu High tech Industrial Park, Chengdu, Sichuan Province, 610000, People's Republic of China;China Railway NO.3 GROUP Co., LTD, No. 269 Yingze Street, Yingze District, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Chu Xiaohui;Lu Zhicheng;Shi Xingkai;Yi Xiankun;Zhao Lei~ 33:CN ~31:2024100612815 ~32:16/01/2024

2024/09378 ~ Complete ~54:CLAMPING AND FIXING DEVICE FOR TRUNK OF ACCA SELLOWIANA TREE ~71:Hangzhou Qianyi Agricultural Development Co., Ltd., West side of Weiping Square, Weiping Town, Chun'an County, Hangzhou City, Zhejiang Province, 310000, People's Republic of China;Yunnan University, East Outer Ring South Road, University City, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China;Zhejiang A and F University, No. 666 Wusu Street, Lin'an District, Hangzhou City, Zhejiang Province, 311300, People's Republic of China;Zhejiang Institute of Landscape Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton and Bast Fiber Crops Research), No. 508, Wangcun, Youhu Line, Linpu Town, Xiaoshan District, Hangzhou City, Zhejiang Province, 311251, People's Republic of China ~72: AN, Xia;AN, Xingcai;CHEN, Changli;JI, Qingqing;LI, Shaocui;LIU, Tingting;LUO, Xiahong;XU, Jiarui;ZHU, Guanlin;ZHU, Ziyi;ZOU, Lina~

2024/09383 ~ Complete ~54:ANALYSIS METHOD OF SOCIAL NETWORK BEHAVIOR BASED ON VARIABLE SELECTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: SHI Yue~

2024/09385 ~ Complete ~54:A METHOD FOR PROMOTING THE DIRECTIONAL CONVERSION OF HUMIC ACID TO FULVIC ACID ~71:Xingzhi College Zhejiang Normal University, No. 3388, Yingbin Avenue, Shanghua Street, Lanxi City, Jinhua City, Zhejiang Province, 321100, People's Republic of China ~72: Man Yu;Wangzheng Xu;Xinyu Shu;Yeqian Tao~

2024/09394 ~ Complete ~54:IMAGE SEGMENTATION METHOD AND SYSTEM BASED ON IMPROVED WHALE ALGORITHM ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: ZHANG, Guoxu;ZHANG, Yajing~

2024/09403 ~ Complete ~54:METHOD FOR COMPUTING CONVERSION TIME FOR TRANSPORTING OIL AND GAS FROM OIL-SOURCE FAULT TO SAND BODY,AND RELEVANT DEVICES ~71:Northeast Petroleum University, No. 99 Xuefu Street, High tech Industrial Development Zone, Daqing City, Heilongjiang Province, 163318, People's Republic of China ~72: HU, Xinlei;JIANG, Fei;SU, Bilin;WANG, Haoran;ZHANG, Bowei;ZHANG, Jiao~ 33:CN ~31:202411614995.0 ~32:13/11/2024

2024/09365 ~ Provisional ~54:PLANAR JOYSTICK IMPLEMENTED USING ABSOLUTE INDUCTIVE MEASUREMENTS TO DETERMINE THE USER INTERFACE KNOB POSITION ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, South Africa ~72: BRUWER, Frederick Johannes;RADEMAN, Marco Wiehann~

2024/09369 ~ 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~

2024/09382 ~ Complete ~54:APPLICATION OF PRIMER PAIR FOR SCREENING FIELD NECK-BLAST-RESISTANT RICE GERMPLASM SOURCES ~71:Liaoning Rice Research Institute, No. 129 Fengyang Road, Sujiatun District, Shenyang City, Liaoning, 110101, People's Republic of China ~72: JIANG, Xiuying;MA, Zuobin;WANG, Lili;ZHANG, Liangkun;ZHANG, Xue;ZHENG, Wenjing~

2024/09388 ~ Complete ~54:SURFACE SOIL SAMPLING DEVICE FOR ORGANIC CARBON CONTENT DETECTION ~71:Southwest Forestry University, No.300, Bailongsi, Panlong District, Kunming City, Yunnan Province, 650224, People's Republic of China ~72: Haoliang Cheng;Jinju Ma;Qiuhua Wang;Weiwei Sun;Weixi Ma;Wen Jiang;Yan Wang;Zefei Tan~

2024/09402 ~ Complete ~54:LAYERED SOLIDIFICATION TYPE CASTING DEVICE FOR HIGH-PRECISION AVIATION ALUMINUM ALLOY CASTING AND CASTING METHOD ~71:Harbin Institute of Technology, No. 92 Xidazhi Street, Nangang District, Harbin City, Heilongjiang Province, 150001, People's Republic of China ~72: LAPATSIN Siarhei;LU Yanling;YU Guangbin;ZHURAVKOV Michael~

2024/09407 ~ Complete ~54:POLE HOLE SOIL SAMPLER ~71:Zhechun Wang, Room 306, Building A, No. 1, Hongguang Road, Chengzhong Cultural Neighborhood Committee, Huaicheng Town, Huaiji County, Zhaoqing, Guangdong, People's Republic of China ~72: Zhechun Wang~ 33:CN ~31:2024107492617 ~32:12/06/2024

2024/09410 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;SCHAEFER, Timothy A;SPLECHTER, Hayden;SWANSON, Todd~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09412 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale M;SWANSON, Todd~ 33:US ~31:62/696,271 ~32:10/07/2018;33:US ~31:62/729,623 ~32:11/09/2018;33:US ~31:62/745,606 ~32:15/10/2018;33:US ~31:62/792,987 ~32:16/01/2019;33:US ~31:62/829,807 ~32:05/04/2019;33:US ~31:62/860,297 ~32:12/06/2019

2024/09576 ~ Complete ~54:A HYDROGEN PEROXIDE-BASED THERAPEUTIC SPRAY FOR PROTECTION AND TREATMENT OF MUCOSA ~71:Constandino Christakis Koutsoudis, 40 Brewer Road, South Africa ~72: Vijay Duggal~ 33:US ~31:63/315,975 ~32:02/03/2022

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2024/09487 ~ Complete ~54:UNMANNED AERIAL VEHICLE FOR SURVEYING AND MAPPING IN REMOTE SENSING ENGINEERING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: DING, Leixiang;WEN, Feng;ZHANG, Haiyang~

2024/09497 ~ Complete ~54:REMOTE NURSING DEVICE FOR THE ELDERLY ~71:Southwest Medical University, No. 319, Section 3, Zhongshan Road, Luzhou City, Sichuan Province, 646000, People's Republic of China ~72: Huang Yilan;Zhong Min~

2024/09500 ~ Complete ~54:APPARATUS AND METHOD FOR EXTRUDING MOLDED ARTICLES ~71:PLAEX BUILDING SYSTEMS INC., 5196 Route 102 Hampton, Canada ~72: BOWERS, Dustin~ 33:US ~31:63/341,859 ~32:13/05/2022

2024/09517 ~ Complete ~54:LIFTING DEVICE AND METHOD FOR HOISTING A RADAR ANTENNA ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JIA LI~ 33:CN ~31:2024107441545 ~32:11/06/2024

2024/09498 ~ Complete ~54:DEMONSTRATION TEACHING AIDS FOR TEACHING ORDINARY DIFFERENTIAL EQUATIONS OF ADVANCED MATHEMATICS ~71:Xinyu University, No. 2666, Yangguang Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Ding Ni;Feng Daoming;Huang Xinren;Huang Yulong;Liu Kai~

2024/09503 ~ Complete ~54:AN AUTOMATED TORQUE DEVICE FOR INSTALLING AND EXTRACTING FASTENING ELEMENTS FOR MILL LINERS ~71:MI ROBOTIC SOLUTIONS S.A., Avenida Presidente Kennedy Lateral, piso 3, Chile ~72: BAEZA RAMÍREZ, Luis Alejandro;DE DOMINICIS RODRÍGUEZ, Angelo;POBLETE GUTIÉRREZ, Mario Francisco;SALAMANCA POBLETE, Hugo César~

2024/09499 ~ Complete ~54:INTELLIGENT PEN AND STROKE CORRECTION SYSTEM FOR HANDWRITING ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: An Xiaobin;Peng Yanhong~

2024/09502 ~ Complete ~54:PASTY, BIOCOMPATIBLE MATERIAL FOR USE IN A METHOD FOR SUPPORTING BONE REGENERATION, THE COMPOSITION THEREOF, AND MOULDED PART FORMED FROM THE PASTY MATERIAL ~71:ALEXAKIS, Antonis, Zum Mühlental 4, Germany ~72: ALEXAKIS, Antonis~ 33:DE ~31:10 2022 117 264.3 ~32:11/07/2022

2024/09504 ~ Complete ~54:CANCER COMBINATION THERAPY INCLUDING A BCL-2 INHIBITOR ~71:BERLIN-CHEMIE AG, Glienicker Weg 125, Germany;RYVU THERAPEUTICS S.A., Leona Henryka Sternbacha 2, Poland ~72: Daniela BELLAROSA;Giuseppe MERLINO;Monica BINASCHI;Simone BALDINI;Tomas RZYMSKI~ 33:EP ~31:22460034.6 ~32:29/07/2022

2024/09509 ~ Complete ~54:NOVEL ANTI-LILRB4 ANTIBODIES AND USES THEREOF ~71:Antengene Biologics Limited, Suite 1206-1209, Block B, Zhongshan SOHO Plaza, 1065 West Zhongshan Road, Changning District, SHANGHAI 200051, CHINA (P.R.C.), People's Republic of China ~72: BAI, Suya;CHEN, Peng;GAO, Mengshi;HOU, Bing;MEI, Jay;SHAN, Bo;SUN, Ao;YUWEN, Hui;ZHENG, Enlin~ 33:IB ~31:2022/097121 ~32:06/06/2022;33:IB ~31:2023/096031 ~32:24/05/2023

2024/09516 ~ Complete ~54:POLYETHERAMINE-BASED MULTIFUNCTIONAL BOOSTER COMPOSITIONS ~71:Troy Technology II, Inc., 8 Vreeland Road, FLORHAM PARK 07932, NJ, USA, United States of America ~72: DIMITRIADIS, Gladys Michelle;JACOBS, Jake;LINDNER, Wolfgang;LIU, Chun;YANG, Meihua~ 33:US ~31:63/351,025 ~32:10/06/2022;33:US ~31:63/405,544 ~32:12/09/2022

2024/09518 ~ Complete ~54:RECOVERY OF NICKEL AND COBALT FROM BLACK MASS ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: LENNART SCHEUNIS;RYOHEI YAGI~ 33:EP ~31:PCT/EP2022/063010 ~32:13/05/2022;33:EP ~31:22187712.9 ~32:29/07/2022

2024/09507 ~ Complete ~54:PHLOROGLUCINOL FORMULATIONS AND METHODS OF USE ~71:Cinphloro Pharma, LLC, 5375 Medpace Way, CINCINNATI 45227, OH, USA, United States of America ~72: BOND, Mary;ISAACSOHN, Jon;LEVINE, Dalia;MURPHY, Brian;PATEL, Piyush~ 33:US ~31:63/351,572 ~32:13/06/2022

2024/09519 ~ Complete ~54:PROSTHETIC FOOT COVER ASSEMBLY ~71:ÖSSUR ICELAND EHF, Grjothals 1-5, Iceland ~72: CLAUSEN, Arinbjörn Viggo;STARKER, Felix~ 33:US ~31:63/365,894 ~32:06/06/2022

2024/09479 ~ Provisional ~54:MIXER ~71:JANSEN, Pieter Johann, No. 21 Eagles Crag, Crestwood Drive, Lonehill, Sandton, SOUTH AFRICA, South Africa ~72: JANSEN, Pieter Johann~

2024/09514 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING NON-AGE-ASSOCIATED HEARING IMPAIRMENT IN A HUMAN SUBJECT ~71:Akouos, Inc., 645 Summer Street, Suite 200, BOSTON 02210, MA, USA, United States of America ~72: HICKOX, Ann;NG, Robert;SEWELL, William;SIMONS, Emmanuel John;VALERO, Michelle;WELLMAN, Jennifer~ 33:US ~31:63/343,991 ~32:19/05/2022

2024/09492 ~ Complete ~54:AN EFFICIENT COIN IDENTIFICATION SYSTEM USING SOFT COMPUTING TECHNIQUE ~71:DATIR, Harshal N., 11B, SHRADDHA COLONY, NEAR NISARG MAANGALAM, MUK BADHIR VIDYALAYA ROAD, SAI NAGAR, AMRAVATI, MAHARASHTRA, 444607, India;DESHMUKH, Anand B., FLAT NUMBER 2, SHUBHAM SOCIETY, RAM NAGAR, AMRAVATI, MAHARASHTRA, 444606, India;KALANTRI, Harshawati B., HEM KALASH APARTMENT, BEHIND SAI TEMPLE, NEAR SAI BABA SCHOOL, SAI NAGAR AMRAVATI, MAHARASHTRA, 444607, India;KHANZODE, Prachi C., 116 VANASHREE COLONY, DASTUR NAGAR, AMRAVATI, MAHARASHTRA, 444606, India;KUMAR, Sunil, HIG11/55, SECTOR 29, NAVA RAIPUR, RAIPUR, CHHATTISGARH, India;RATHI, Vishal Vinod, HEM KALASH APARTMENT, BEHIND SAI TEMPLE, NEAR SAI BABA SCHOOL, SAI NAGAR AMRAVATI, MAHARASHTRA, 444607, India ~72: DATIR, Harshal N.;DESHMUKH, Anand B.;KALANTRI, Harshawati B.;KHANZODE, Prachi C.;KUMAR, Sunil;RATHI, Vishal Vinod~

2024/09475 ~ Provisional ~54:ROAD ACCIDENT CLAIM SYSTEM AND METHOD UTILISING AI, BLOCKCHAIN, AND WEARABLE BIODATA FOR AUTOMATED PROCESSING AND TRANSPARENT MANAGEMENT ~71:KABELO DIALE, 7 COMET STREET, South Africa ~72: KABELO DIALE~

2024/09477 ~ Provisional ~54:A RECEPTACLE ~71:PALMER, Clement, 35 KNIGHTS AVENUE, WINSOR EAST, RANDBURG, 2194, SOUTH AFRICA, South Africa ~72: PALMER, Clement~

2024/09483 ~ Complete ~54:PORTABLE PESTICIDE SPRAYING DEVICE FOR TOBACCO ~71:Guangdong Institute of Tobacco Science, 6th and 7th floors, West Tower, Chengtou Business Building, No. 69 Binjiang Road, Wujiang District, Shaoguan City, Guangdong Province, 512000, People's Republic of China ~72: DENG, Haibin;FAN, Miaomiao;SUN, Zheng;WANG, Xuebo;YOU, Ziyi;ZONG, Zhaohui~ 33:CN ~31:202323552555.0 ~32:26/12/2023

2024/09484 ~ Complete ~54:ADJUSTABLE TEACHING INSTRUMENT PLACEMENT TABLE ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: MENG Weiyang~

2024/09493 ~ Complete ~54:DEVICE FOR UNDERGROUND ENGINEERING SAFETY MONITORING ~71:DALIAN UNIVERSITY, No. 10, Xuefu Street, Economic And Technological Development Zone, Dalian City, Liaoning Province, 116602, People's Republic of China;East China University of Technology, No. 418, Guanglan Avenue, Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330032, People's Republic of China;Guangzhou Municipal Engineering Group Ltd., No. 338, Huanshi East Road, Yuexiu District, Guangzhou City, Guangdong Province, 510060, People's Republic of China;Jiangxi Zhongmei Survey and Design Institute Co., Ltd, No. 1388, Jiulong Avenue, Honggutan District, Nanchang City, Jiangxi Province, 330108, People's Republic of China;Pearl River Hydraulic Research Institute, Pearl River Water Resources Commission of the Ministry of Water Resources, No. 105, Tianshou Road, Tianhe District, Guangzhou City, Guangdong Province, 510635, People's Republic of China;SINOHYDRO BUREAU 7 CO.,LTD, No. 349, Chengguan East Road, North Street, Pitong Town, Pidu District, Chengdu City, Sichuan Province, 611730, People's Republic of

China;ZHONGMEI ENGINEERING GROUP LTD, No. 1177, Jiulong Avenue, Honggutan District, Nanchang City, Jiangxi Province, 330108, People's Republic of China ~72: AN, Guanfeng;DONG, Xinwei;GONG, Bingwen;LEI, Lele;LI, Dongwei;LIU, Xiqi;LUO, Ran;TAN, Guangwei;WANG, Zhenhua;YANG, Junchao~

2024/09495 ~ Complete ~54:A STATISTICAL METHOD OF APPLIED MATHEMATICAL PROBABILITY ~71:Xinyu University, No. 2666, Yangguang Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Ding Ni;Feng Daoming;Jian Chasheng;Tao Sijun;Xu Zhaosheng;Zhu Weihua~

2024/09501 ~ Complete ~54:CANCER COMBINATION THERAPY INCLUDING A FLT3-INHIBITOR ~71:BERLIN-CHEMIE AG, Glienicker Weg 125, Germany;RYVU THERAPEUTICS S.A., Leona Henryka Sternbacha 2, Poland ~72: Daniela BELLAROSA;Giuseppe MERLINO;Krzysztof BRZOZKA;Monica BINASCHI~ 33:EP ~31:22460035.3 ~32:29/07/2022

2024/09505 ~ Complete ~54:AMYLIN RECEPTOR (HAMY3R) AGONISTS WITH IMPROVED CHEMICAL STABILITY ~71:GUBRA A/S, Hørsholm Kongevej 11B, Denmark ~72: BALLARÍN-GONZÁLEZ, Borja;LUNDH, Morten;MAGOTTI, Paola;MURRAY, Anthony;NIELSEN, Jens Christian Frøslev;PEDERSEN, Søren Ljungberg;RIGBOLT, Kristoffer Tobias Gustav~ 33:EP ~31:22182529.2 ~32:01/07/2022

2024/09508 ~ Complete ~54:DRUG-ELUTING SURGICAL ARTICLES AND METHODS OF USE THEREOF ~71:BioSapien Inc., 9880 Campus Point Dr, Suite 20, SAN DIEGO 921211, CA, USA, United States of America ~72: ALI, Khatija Pinky~ 33:US ~31:63/342,012 ~32:13/05/2022;33:US ~31:63/342,531 ~32:16/05/2022

2024/09513 ~ Complete ~54:ANTI-CD19 ANTIBODY DRUG CONJUGATES ~71:AbbVie Biotherapeutics Inc., 1 N. Waukegan Road, AP34-2, V377, NORTH CHICAGO 60064, IL, USA, United States of America ~72: CHANG, Chewei A.;EMBERLEY, Ethan D.;HOBSON, Adrian D.;MARVIN, Christopher C.;PURCELL, James W.~ 33:US ~31:63/366,520 ~32:16/06/2022;33:US ~31:63/488,302 ~32:03/03/2023

2024/09476 ~ Provisional ~54:A COMPUTER IMPLEMENTED ALERTING METHOD ~71:ROSSOUW, Johannes, Jacobus, 4 BOGEY STREET, WATERKLOOF EXT 1, PRETORIA, 0181, SOUTH AFRICA, South Africa ~72: ROSSOUW, Johannes, Jacobus~

2024/09478 ~ Provisional ~54:SYSTEM AND METHOD FOR GAMIFIED MENTAL WELLNESS INTEGRATION WITH INSURANCE USING AI, BLOCKCHAIN, AND GENOMIC DATA ~71:KABELO DIALE, 7 COMET STREET, South Africa ~72: KABELO DIALE~

2024/09490 ~ Complete ~54:PREFABRICATED PARTITION FOR DECORATION WITH SOUNDPROOFING AND NOISE REDUCTION CAPABILITIES ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Fan Dongjiao;Ma Caiwei;Xu Li;Zeng Wenlin;Zhang Yuqing~

2024/09506 ~ Complete ~54:PYRROLIDINONE DERIVATIVES AS INHIBITORS OF NF-KB INDUCING KINASE ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: AMERIKS, Michael;CHAI, Wenying;ENNY, Daniel;LEBSACK, Alec D.;MAERTENS, Alexander;MURPHY, Stephen K.;ROVIRA, Alexander R.~ 33:US ~31:63/364,549 ~32:11/05/2022

2024/09512 ~ Complete ~54:LIPID CONJUGATES FOR THE DELIVERY OF THERAPEUTIC AGENTS TO CNS TISSUE ~71:Arrowhead Pharmaceuticals, Inc., 177 East Colorado Boulevard, Suite 700, PASADENA 91105, CA, USA, United States of America ~72: AL, Teng;BLOKHIN, Andrei V.;LAZZARA, Phillip;LI, Xiaokai;LIU, Feng;MACIEJEWSKI, Jan;NACLERIO, George;PEI, Tao;PHAN, Susan;RAMOS-HUNTER, Susan~ 33:US ~31:63/352,485 ~32:15/06/2022;33:US ~31:63/495,505 ~32:11/04/2023

2024/09481 ~ Provisional ~54:MONITORING FLOTATION CELLS ~71:STONE THREE DIGITAL (PTY) LTD, 24 Gardner Williams Avenue, South Africa ~72: HAASBROEK, Adriaan Lodewicus;OLIVIER, Michiel Casparus~

2024/09488 ~ Complete ~54:METHOD OF EXPEDITING A CIT PICKUP OR DELIVERY ~71:SBV SERVICES (PROPRIETARY) LIMITED, SBV House, Corner of 11th Avenue and 8th Street, Houghton, JOHANNESBURG 2198, Gauteng, SOUTH AFRICA, South Africa ~72: NAUDE, Leonard Louw~ 33:ZA ~31:2023/11351 ~32:11/12/2023

2024/09494 ~ Complete ~54:WATER-BASED MUD TREATMENT DEVICE FOR COALBED METHANE DEVELOPMENT ~71:Suzhou University, 1769 Xuefu Avenue, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Chen Suwan;Hu Yang;Jiang Wei~

2024/09511 ~ Complete ~54:COMPOSITION FOR THE TREATMENT OF THE HUMAN PAPILLOMAVIRUS INFECTION (HPV) ~71:Lo.Li. Pharma S.r.l., Via Sabatino Gianni, 14, ROMA (RM) 00156, ITALY, Italy ~72: NERI, Isabella;UNFER, Vittorio~ 33:IT ~31:102022000013867 ~32:30/06/2022

2024/09520 ~ Provisional ~54:FUEL PERPETHAL MOTION SELF CHARGING GENERATOR ~71:BURFORD MARK OFTEBRO, UNIT 9 ROLLING HILLS CLUB 16 AUTUM DRIVE PRESTONDALE UMHLANGA ROCKS, South Africa ~72: BURFORD MARK OFTEBRO~

2024/09510 ~ Complete ~54:FUSION PROTEIN FOR THE PREVENTION, TREATMENT OR AMELIORATION OF KIDNEY DISEASES ~71:Five Prime Therapeutics, Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America;UCB Biopharma SRL, Allée de la Recherche 60, BRUSSELS B-1070, BELGIUM, Belgium ~72: JOHNSON, Timothy Scott;KELLAR, Danielle E.;KEVORKIAN, Lara;POWERS, Janine;TWOMEY, Breda~ 33:IB ~31:2022/066348 ~32:15/06/2022

2024/09515 ~ Complete ~54:ENHANCED COMPOSITE WRAPPED SURGE ARRESTER AND METHODS OF PROVIDING THE SAME ~71:Hitachi Energy Ltd, Brown-Boveri-Strasse 5, ZÜRICH 8050 , SWITZERLAND, Switzerland ~72: KESTER, Jeffrey Joseph;MUGWYLER, Remo~ 33:US ~31:63/351,497 ~32:13/06/2022

2024/09482 ~ Provisional ~54:HUMAN LEGACY SYSTEM ~71:4VESTIGE (PTY) LTD, 33 Tarentaal Street, South Africa ~72: BENEKE, John Raymond;BESTBIER, Nico;MARALACK, Lourens Phillip Edward~

2024/09486 ~ Complete ~54:THREE-DIMENSIONAL FACE RECONSTRUCTION METHOD BASED ON WEIGHTED SEMI-SUPERVISED LEARNING AND SEMANTIC DISENTANGLEMENT ~71:Tongji University, 1239 Siping Road, Yangpu District, Shanghai City, 200092, People's Republic of China ~72: Jiahao Li;Lei Li;Qi Wang~

2024/09491 ~ Complete ~54:DESIGN METHOD AND CONTROL METHOD FOR LARGE-SIZE SINGLE CRYSTAL GROWTH BY THE CZOCHRALSKI METHOD ~71:Anhui China Future Science and Technology Co., LTD, No. 350, Science Island Road, Jinggang Town, Shushan District, Hefei City, Anhui Province, People's Republic of China ~72: Dou Renqin;Liu Wenpeng;Sun Guihua;Wang Xiaofei;Zhang Qingli~

2024/09480 ~ Provisional ~54:A LATCH FOR A BARRIER ~71:ERASMUS, Johannes Arnoldus, 11 Mont Blanc Paradyskloof, South Africa ~72: ERASMUS, Johannes Arnoldus;FISHER, Nathan David~

2024/09485 ~ Complete ~54:ADAPTIVE CONTROL METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM OF UNDERWATER VEHICLE BASED ON DOUBLE CLOSED-LOOP CONTROL ~71:China Southern Power Grid Power Generation Co., Ltd Energy Storage Research Institute, 858 Lianhua Avenue West, Donghuan Street, Panyu District, Guangzhou City, Guangdong Province, 511400, People's Republic of China ~72: HE Rufei;LI Yao;LI Yikai;PENG Yumin;WANG Wenhui;WANG Yujin;ZHANG Xuefeng~

2024/09489 ~ Complete ~54:AUXILIARY DEVICE FOR EXPLOSIVE POWER TRAINING ~71:XINYU UNIVERSITY, XINYU COLLEGE, NO. 2666, YANGGUANG AVENUE, People's Republic of China ~72: HUANG, Taibin;LI, Ling;LIANG, Jing;XI, Ying;YANG, Zhiyu~

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2024/09528 ~ Complete ~54:A METHOD, DEVICE, SYSTEM, AND STORAGE MEDIUM FOR INDOOR POSITIONING ERROR CALIBRATION ~71:Peking University, No.5 Yiheyuan Road, Haidian District, Beijing, People's Republic of China ~72: Fan Yonglei;Zhang Guangyuan~ 33:CN ~31:2024115286452 ~32:30/10/2024

2024/09540 ~ Complete ~54:ENTERPRISE DIGITAL MANAGEMENT SYSTEM ~71:Taiyuan University of Technology, No. 209, University Street, Yuci District, Jinzhong City, Shanxi Province, 030600, People's Republic of China ~72: Hu Zhuoyue;Li Jiajian;Rong Chenyang;Sun Yaqing;Wei Kexin;Yu Haoyang;Zhao Cai;Zheng Wen;Zhou Xixian~ 33:CN ~31:202411764130.2 ~32:03/12/2024

2024/09554 ~ Complete ~54:METHOD AND MATERIAL REMOVAL SYSTEM ~71:ROCKFEEL GMBH, HALSBRÜCKER STR. 34, 09599 FREIBERG, GERMANY, Germany ~72: BRETSCHNEIDER, Jörg;SHEPEL, Taras;YASAR, Serdar~ 33:DE ~31:10 2022 114 940.4 ~32:14/06/2022

2024/09564 ~ Complete ~54:TAMPER PROOF LABEL ~71:TERUMO EUROPE NV, Interleuvenlaan 40, Belgium ~72: CASTELEYN, Pieter Nico Jan;DANIELS, Ludo;FRIPON, Christian;VALKENAERS, Hans~ 33:EP ~31:22174090.5 ~32:18/05/2022;33:EP ~31:22174144.0 ~32:18/05/2022

2024/09574 ~ Complete ~54:CONSTRUCTION METHOD FOR EPISOMAL PLASMIDS IN CHLAMYDOMONAS REINHARDTII CHLOROPLASTS AND USE THEREOF ~71:SHENZHEN UNIVERSITY, No. 3688, Nanhai Road, Nanshan District, Shenzhen, People's Republic of China ~72: GUO, Chunli;HU, Zhangli;JIA, Bin;JIANG, Yanan;TANG, Hexing;ZHANG, Guiying~ 33:CN ~31:202211501386.5 ~32:28/11/2022

2024/09577 ~ Provisional ~54:MULTI-STAGE NON-ELECTRIC BOREHOLE AND HOME WATER FILTRATION SYSTEM ~71:Gary Flax, 94 11th Street, South Africa ~72: Gary Flax~

2024/09532 ~ Complete ~54:METHOD AND SYSTEM BASED ON DIGITAL FINANCE FOR PUSHING BIG DATA ~71:Jinggangshan University, Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: PENG, Wei~

2024/09560 ~ Complete ~54:A SWING JAW OF A JAW CRUSHER ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BAXTER, Adam;GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:22180049.3 ~32:21/06/2022

2024/09566 ~ Complete ~54:SEALING MECHANISM FOR A BEVERAGE CONTAINER ~71:RUNWAY BLUE, LLC, 35 South Pfeifferhorn Drive, Alpine, Utah, 84004, United States of America ~72: PAUL JAMES FAERBER~ 33:US ~31:63/367,175 ~32:28/06/2022

2024/09571 ~ Complete ~54:ROR1/EGFR BI-SPECIFIC ANTIGEN BINDING MOLECULES ~71:ALMAC DISCOVERY LIMITED, Almac House, 20 Seagoe Industrial Estate, United Kingdom ~72: BARELLE, Caroline Jane;BELL, Stacey;COTTON, Graham John;KAMENSKI, Andrei;KOVALEVA, Marina;MCLEAN, Estelle;PORTER, Andrew Justin Radcliffe;SALADINO, Chiara;THOM, Jennifer;TRUMPER, Paul Richard;WAPPETT, Mark~ 33:GB ~31:2209197.9 ~32:22/06/2022;33:GB ~31:2215636.8 ~32:21/10/2022

2024/09534 ~ Complete ~54:PREPARATION METHOD FOR CARBON FIBER DISPERSION AND APPLICATION THEREOF ~71:Zhejiang University of Science and Technology, 318 Liuhe Road, Xihu District, Hangzhou, People's Republic of China ~72: Daliang Guo;Huifang Zhao;Kang Wang;Lizheng Sha;Qianyu

Sun;Qihang Xie;Tianzhong Yuan;Xibing Mao;Xinyi Zhang;Yihang Wang~ 33:CN ~31:2024105505449 ~32:06/05/2024

2024/09522 ~ Provisional ~54:THE STRIPES AND STRAWS MULTIPLICATION GAMES ~71:Kudakwashe Mkandla, 2788 Zinnia St Palm Springs, South Africa ~72: Kudakwashe Mkandla~ 33:ZA ~31:1 ~32:01/05/2020

2024/09524 ~ Provisional ~54:KRYST CONNNECTION BAG ~71:Tristan Kibaku, 23 Main Street, Mafikeng CBD, South Africa ~72: tristan kipaku~

2024/09530 ~ Complete ~54:A HIGH-EFFICIENCY IN-SITU GAS REDUCTION AND ELIMINATION METHOD FOR THICK COAL SEAMS ~71:CCTEG Chongqing Research Institute, No.6 Kecheng Road, Jiulongpo District, Chongqing City, 400039, People's Republic of China;Inner Mongolia University of Science & Technology, No.7 Alding Street, Kundulun District, Baotou City, Inner Mongolia Autonomous Region, 14010, People's Republic of China ~72: Enbing YI;Feng ZHANG;Hongjuan DONG;Yongjiang ZHANG;Zhigang ZHANG~

2024/09539 ~ Complete ~54:MOISTUREPROOF POWER DISTRIBUTION CABINET FOR ARCHITECTURE ELECTRIC ENGINEERING ~71:Anhui Jianzhu University, No. 292, Ziyun Road, Economic and Technological Development Zone, Hefei City, Anhui Province, 230009, People's Republic of China ~72: Li Binbin;Liu Hongyu;Liu Xinglong;Wang Fangbin;Wang Ping;Wang Xin;Zheng Yu;Zhu Chi;Zhu Guang~ 33:CN ~31:2024101205784 ~32:29/01/2024

2024/09541 ~ Complete ~54:INVERSION LINING REHABILITATION EQUIPMENT AND METHOD FOR PIPE REHABILITATION AND REINFORCEMENT ~71:SUN YAT-SEN UNIVERSITY, No. 135, Xin Gang Xi Road, People's Republic of China ~72: HE, Chunliang;HUANG, Sheng;MA, Baosong~ 33:CN ~31:2024101559454 ~32:04/02/2024

2024/09551 ~ Complete ~54:PACKAGED NEEDLE ASSEMBLY ~71:TERUMO EUROPE NV, Interleuvenlaan 40, Belgium ~72: CASTELEYN, Pieter Nico Jan;DANIELS, Ludo;FRIPON, Christian;VALKENAERS, Hans~ 33:EP ~31:22174090.5 ~32:18/05/2022;33:EP ~31:22174144.0 ~32:18/05/2022

2024/09567 ~ Complete ~54:APPARATUS FOR MOULDING AN OBJECT WITH A MATERIAL DERIVED FROM NATURAL FIBRES ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: DAVIDE ZANOTTI;FABRIZIO PUCCI;FIORENZO PARRINELLO;FRANCESCO PIRAZZOLI;GIOVANNI MAZZOTTI~ 33:IT ~31:102022000014140 ~32:04/07/2022

2024/09552 ~ Complete ~54:COMPOUND FOR TREATMENT OF FEMALE SEXUAL DYSFUNCTION ~71:INITIATOR PHARMA A/S, Ole Maaløes Vej 3, Denmark ~72: COMERMA-STEFFENSEN, Simon;SIMONSEN, Ulf~ 33:EP ~31:22183862.6 ~32:08/07/2022

2024/09558 ~ Complete ~54:EFFICIENT WASTE HEAT RECOVERY SETTING MACHINE ~71:SHAOXING YONGFENG ENERGY SAVING TECHNOLOGY CO., LTD, 2386 Xingbin Road, Ma'an Street, Keqiao District,, Shaoxing, Zhejiang, 312030, People's Republic of China ~72: LAO, Guanming~ 33:CN ~31:202210672436.X ~32:15/06/2022

2024/09570 ~ Complete ~54:GEAR TRAIN FOR HIGH-POWER PLANETARY HYDRODYNAMIC TRANSMISSION ~71:JIANGSU ADVANCED CONSTRUCTION MACHINERY INNOVATION CENTER LTD., No.26, Tuolanshan Road, Xuzhou Economic Development Zone, Xuzhou, Jiangsu Province, 221004, People's Republic of China ~72: Feng LIU;Haoyue ZHU;Weili WANG~ 33:CN ~31:202310769435.1 ~32:27/06/2023

2024/09523 ~ Provisional ~54:STELLAR TRACK ~71:STELLAR TRACK (PTY) LTD, 12 GUMTREE CRESCENT, South Africa ~72: DEENADAYALEN REDDY~ 33:ZA ~31:TBA ~32:06/12/2024

2024/09527 ~ Complete ~54:SEPARATION METHOD AND ANTI-INFLAMMATORY APPLICATION OF HALIMANE DITERPENOID ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou, Hainan, 571158, People's Republic of China ~72: CHEN, Guangying;KUANG, Jiacai;LI, Xiaobao;YU, Zhangxin~ 33:CN ~31:202411468341.1 ~32:21/10/2024

2024/09529 ~ Complete ~54:PLASTIC OPTICAL FIBER SIDE-HOLE STRUCTURE QUASI-DISTRIBUTED PRESSURE SENSOR ~71:North University of China, No. 3 Xueyuan Road, Taiyuan City, Shanxi Province, 030051, People's Republic of China ~72: HOU, Yulong;ZHANG, Xiangxiang~

2024/09531 ~ Complete ~54:DIGITAL FINANCIAL SERVICE PLATFORM BASED ON BLOCKCHAIN ~71:Jinggangshan University, Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: PENG, Wei~

2024/09536 ~ Complete ~54:COLORANT DISPENSER AND COLOR-PASTE OUTPOURING METHOD FOR COLORANT DISPENSER ~71:ZHENGZHOU SANHUA TECHNOLOGY & INDUSTRY CO., LTD., No. 101, Building 4, Northeast corner of the intersection of Sangong and Xingyun Road, Xingyang City, Zhengzhou City, Henan 450121,, People's Republic of China ~72: HUANG, Song~ 33:CN ~31:2023118719174 ~32:03/12/2023

2024/09538 ~ Complete ~54:TREATMENT OF CONTAMINATED PGM ORES ~71:NUVEST RECOVERY SOLUTIONS (PTY) LTD, 65 Philip Engelbrecht Dr, Meyersdal, 1448, South Africa ~72: IAN TUNNICLIFFE~ 33:ZA ~31:2023/10987 ~32:29/11/2023

2024/09543 ~ Complete ~54:MULTI-INTERVAL THROUGH SURVEY METHOD FOR TUNNEL ~71:CHINA RAILWAY SIXTH GROUP BEIJING RAILWAY CONSTRUCTION CO., LTD, No. 2 Wanshou Road, Haidian District, People's Republic of China;CHINA RAILWAY SIXTH GROUP CO., LTD, No. 2 Wanshou Road, Haidian District, People's Republic of China ~72: DONG, Tiezhong;HU, Weiming;LI, Yanshuo;LI, Zhengkun;SUN, Aitian;WANG, Jibo;WANG, Liyun;WANG, Taizhen;ZHAO, Yubao~ 33:CN ~31:202411416420.8 ~32:11/10/2024

2024/09547 ~ Complete ~54:EDDY CURRENT-BASED SELF-DRIVEN VOLTAGE SAG MITIGATION DEVICE AND POSITION SELECTION METHOD ~71:STATE GRID XINJIANG ELECTRIC POWER CO., LTD. CHANGJI POWER SUPPLY COMPANY, No. 31 Jianguo West Road, Changji City, People's Republic of China ~72: HE, Long;LIU, Gang;LIU, Rong;WANG, Hui;ZHANG, Xin;ZHU, Yongming~ 33:CN ~31:202410989883.7 ~32:23/07/2024

2024/09553 ~ Complete ~54:FIRE PROTECTION DEVICE COMPRISING A FIRE PROTECTION BLANKET ~71:RIESTER GMBH, DIESELSTR. 6, 71546 ASPACH, GERMANY, Germany ~72: PFEIFFER, Jörg~ 33:DE ~31:20 2022 103 126.6 ~32:02/06/2022

2024/09556 ~ Complete ~54:HYDROGEN PRODUCING DEVICE ~71:SOLHYD, Bijzondereweg 12, 3360, Bierbeek, Belgium ~72: BOSSEREZ, Tom;MARTENS, Johan;RONGÉ, Jan;VERLOOY, Pieter~ 33:EP ~31:22173860.2 ~32:17/05/2022;33:EP ~31:22216431.1 ~32:23/12/2022

2024/09559 ~ Complete ~54:NON-CABIN ARTICULATED TRUCK ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: KITULA, Mikko~ 33:EP ~31:22183606.7 ~32:07/07/2022

2024/09572 ~ Complete ~54:BATTERY PACK FOR NEW ENERGY VEHICLES ~71:HEBEI JINPENG AUTOMOBILE INDUSTRY CO., LTD, NO. 5 XINWANG ROAD, QINGXIAN ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, People's Republic of China;JIANGSU JINPAIKE NEW ENERGY CO., LTD, NO. 7, WEST JINGYI ROAD AND SOUTH WEIYI ROAD, INDUSTRIAL PARK, People's Republic of China;JIANGSU JINPENG GROUP CO., LTD, EAST OF TUNSHIDAGOU AND WEST OF TUNQING ROAD IN XUZHOU

INDUSTRIAL PARK, JIAWANG DISTRICT, People's Republic of China ~72: DENG, Mimi;OU, Yankun;TANG, Ke;ZHU, He~ 33:CN ~31:2023110600449 ~32:22/08/2023;33:IB ~31:PCT/CN2024/095633 ~32:28/05/2024

2024/09533 ~ Complete ~54:BIOFILM CARRIER ~71:Huadian Water Technology Co., Ltd., 601-1, Unit 1, Building 1, No. 6 East Automobile Museum Road, Fengtai District, Beijing, 100070, People's Republic of China ~72: CHEN, Beiyang;LI, Rui;LIANG, Jiajia;SHAO, Junli;TAO, Wenhua;WANG, Zhengping;XIAO, Ke;ZHANG, Bo~

2024/09537 ~ Complete ~54:AUTOMATIC SAMPLING DEVICE FOR CONVEYING LINE ~71:HENAN HUANGHE NEW MATERIAL TECHNOLOGY CO.,LTD., Nanguan, Chengguan Town, Yuanyang County, Xinxiang, Henan 453500, People's Republic of China ~72: GUODONG LIN;HUI WU;TINGJUN SHANG;WEI GUO;XINBING ZHU;XINLU SHI;YUKUN SHANG~ 33:CN ~31:202410231803.1 ~32:01/03/2024

2024/09544 ~ Complete ~54:METHOD AND APPARATUS FOR FEEDBACKING HUMAN-MACHINE COLLABORATION STATE BASED ON VIRTUAL-REAL INTEGRATION, AND ELECTRONIC DEVICE ~71:KINGFAR INTERNATIONAL INC., Room 202, Beifufang, Building 23, No. 18 Anningzhuang East Road, Qinghe, Haidian District, People's Republic of China ~72: WANG, Qingju;ZHAO, Qichao~ 33:CN ~31:202311790016.2 ~32:22/12/2023

2024/09549 ~ Complete ~54:TIME SYNCHRONISATION ACROSS A NETWORK ~71:SAT-COM (PTY) LTD, 2 Jakaranda Street, Suiderhof, Namibia ~72: BROWN, David Kenneth;VENTER, Maarten~ 33:GB ~31:2207200.3 ~32:17/05/2022

2024/09573 ~ Complete ~54:IMPROVED SYSTEMS AND METHODS FOR METAL RECOVERY FROM LITHIUM ION BATTERIES ~71:AQUA METALS INC., 5370 Kietzke Lane, Suite 201 Reno, Nevada 89511, United States of America ~72: DOUGHERTY, Brian, James;KENNEY, James;STRAUSS, Mark~ 33:US ~31:63/321,897 ~32:21/03/2022

2024/09575 ~ Complete ~54:ANTIBODIES TARGETING CD117 ~71:CIMEIO THERAPEUTICS AG, Aeschenvorstadt 36 4051, Switzerland;UNIVERSITÄT BASEL, Petersgraben 35 4003, Switzerland ~72: CAMUS, Anna;GARCIA PRAT, Laura;HAYDN, Anna;HUG, Melanie;JEKER, Lukas;LEHMANN, Frank;LEPORE, Rosalba;SINOPOLI, Alessandro;TEN BUREN, Emiel;TESTUT, Mathilde;URLINGER, Stefanie;WELLINGER, Lisa;WIEDERKEHR, Amélie~ 33:EP ~31:22183671.1 ~32:07/07/2022;33:EP ~31:22207927.9 ~32:17/11/2022;33:EP ~31:22214286.1 ~32:16/12/2022

2024/09578 ~ Provisional ~54:UNIQUE TECHNOLOGY NO-PAPER DEVICE ~71:Patience Ontlametse Khwene, 67 Blackwood Road, South Africa ~72: Lebohang Lebeea;Patience Ontlametse Khwene~

2024/09521 ~ Provisional ~54:2020 CARD GAMES ~71:Kudakwashe Mkandla, 2788 Zinnia St Palm Springs, South Africa ~72: Kudakwashe Mkandla~

2024/09546 ~ Complete ~54:EXTERNAL WALL HEAT INSULATION COLUMN FOR BUILDING ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: Gu Wei;Lian Hongyang;Yu Wei~

2024/09555 ~ Complete ~54:METHODS OF TREATING METACHROMATIC LEUKODYSTROPHY ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, MA, United States of America ~72: RAMACHANDRAN, Shyam~ 33:US ~31:63/342,590 ~32:16/05/2022;33:US ~31:63/459,564 ~32:14/04/2023

2024/09563 ~ Complete ~54:NUCLEIC ACID BINDERS ~71:University of Strathclyde, McCance Building, 16 Richmond Street, GLASGOW G1 1XB, UNITED KINGDOM, United Kingdom ~72: KHALAF, Abedawn Ibrahim;SCOTT, Fraser;SUCKLING, Colin James~ 33:GB ~31:2206931.4 ~32:12/05/2022

2024/09568 ~ Complete ~54:WIRE ROPE CLAMP FOR A WIRE ROPE, WIRE ROPE WITH WIRE ROPE CLAMP AND METHOD OF CLAMPING A WIRE ROPE CLAMP ONTO A WIRE ROPE ~71:NEMAG IP B.V., Deltastraat 15, Netherlands ~72: CORBEAU, Michel;VAN BURG, Jacob Johannes;VAN KOEVERINGE, Leendert Gommert~ 33:NL ~31:2032191 ~32:16/06/2022

2024/09569 ~ Complete ~54:EXPANDABLE MEMBER FOR RECEPTACLE MOULDING ~71:PULPEX LIMITED, Unit 1, Cambridge South, West Way, United Kingdom ~72: WHITE, Jason~ 33:GB ~31:2209679.6 ~32:30/06/2022

2024/09561 ~ Complete ~54:COMBINATION THERAPIES WITH AN ANTI-FACTOR XI/FACTOR XIA ANTIBODY ~71:Anthos Therapeutics, Inc., 55 Cambridge Parkway, CAMBRIDGE 02142, MA, USA, United States of America ~72: BLOOMFIELD, Daniel M.;FREEDHOLM, Debra A.;FREEMAN, Jonathan E.;GLASSPOOL, Royston J.;KHDER, Yasser~ 33:US ~31:63/355,319 ~32:24/06/2022

2024/09548 ~ Complete ~54:A METHOD, SYSTEM, AND APPARATUS FOR MITIGATING VOLTAGE SAGS IN A POWER DISTRIBUTION NETWORK ~71:ANHUI ZHENGGUANGDIAN ELECTRIC POWER TECHNOLOGY CO., LTD, 4th Floor, R&D Building B, AJ-5 Plot, No. 28 Hehuan Road, High tech Zone, Hefei, People's Republic of China;STATE GRID XINJIANG ELECTRIC POWER CO., LTD. CHANGJI POWER SUPPLY COMPANY, No. 31 Jianguo West Road, Changji City, People's Republic of China;XI AN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 58 Yanta Middle Road, Xi'an, People's Republic of China ~72: GAO, Baoqi;HAO Jiayin;HE, Long;LI Changlong;LIU Jianghui;LIU, Jun;LIU, Rong;LIU, Yong;LU, Gang;SUO, Tao;TANG, Linquan;WANG, Hui;WU, Weili;XING, Zhanli;YIN, Feng;ZENG, Zhaokun;ZHANG, Xin;ZHAO, Puzhi;ZHAO, Shiyu;ZHOU, Yi;ZHU, Yongming~ 33:CN ~31:202410987146.3 ~32:23/07/2024

2024/09525 ~ Provisional ~54:ELECTRICITY/POWER CABLE SECURING CONCRETE BLOCKS - SAFECABLE BLOCKS ~71:Bongi Audrey MATIWAZA, 24 Saddlebrook Estate, Rose Road, South Africa ~72: Bongi Audrey MATIWAZA~ 33:ZA ~31:1 ~32:13/08/2023

2024/09526 ~ Complete ~54:AN ECO MODIFIED POLYURETHANE CONCRETE REINFORCEMENT LAYER STRUCTURE AND REINFORCEMENT METHOD THEREOF ~71:China Railway Major Bridge Reconnaissance & Design Institute Co., Ltd., No.34 Hanyang Avenue, Hanyang District, Wuhan City, Hubei Province, 430050, People's Republic of China;Hefei University of Technology, No. 193 Tunxi Road, Hefei City, Anhui Province, 230009, People's Republic of China;Ningbo Roaby Technology Industrial Group Co., Ltd., No.96 Muji Road, High-Tech District, Ningbo City, Zhejiang Province, 315000, People's Republic of China ~72: Bin XU;Donghui WANG;Feng HU;Long FAN;Shouwei CHEN;Su XU;Xi ZHAO;Zuocai WANG~

2024/09542 ~ Complete ~54:A COMPOSITE ARTIFICIAL NERVE CONDUIT FOR PERIPHERAL NERVE REPAIR AND ITS PREPARATION METHOD ~71:QuZhou People's Hospital (The Central Hospital Of Qu Zhou), No. 100, Minjiang Avenue, Kecheng District, Quzhou City, Zhejiang Province, People's Republic of China ~72: Jiang Xuanyu~

2024/09557 ~ Complete ~54:WATER-EFFICIENT WATER-WASHING SYSTEM FOR CLEAN AIR CONDITIONER ~71:BEIJING GREEN TECHNOLOGY CO., LTD, Building D, No. 2 Beinong Road, Huilongguan Changping District,, Beijing, 102206, People's Republic of China ~72: DENG, Jiewen;JIANG, Huan;JIANG, Shiji;SHEN, Hui;XU, Zhen;ZHOU, Lei~ 33:CN ~31:202310511413.5 ~32:08/05/2023

2024/09562 ~ Complete ~54:IMPROVED METHODS FOR IN VITRO TRANSCRIPTION ~71:Arcturus Therapeutics, Inc., 10628 Science Center Drive, Suite 250, SAN DIEGO 92121, CA, USA, United States of America ~72: ALAYYOUBI, Maher;CHOI, Kyoung-Joo Jenny;LUGER II, Timothy Wayne~ 33:US ~31:63/357,843 ~32:01/07/2022

2024/09565 ~ Complete ~54:FUNGICIDE COMPOSITION ~71:UPL EUROPE LTD, The Centre, 1st Floor Birchwood Park Warrington Cheshire WA3 6YN, United Kingdom;UPL MAURITIUS LIMITED, 6th Floor, Suite 157B Harbor Front Building President John Kennedy Street, Mauritius ~72: FLOOD, Charles;KAUR, Pardeep~ 33:GB ~31:2207660.8 ~32:25/05/2022

2024/09535 ~ Complete ~54:SEALING PERFORMANCE TESTING DEVICE ~71:Hunan Luzhou Huikang Development Co., Ltd., Guanxia Xiangshang Industrial Park, Suining County, Shaoyang, People's Republic of China ~72: Haigang Mo;Ling Yang;Xiangjia Zhong~ 33:CN ~31:2024112703143 ~32:11/09/2024

2024/09545 ~ Complete ~54:EXTERNAL INSULATION STRUCTURE FOR BUILDING FLOOR AND BEAM ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: Gu Wei;Lian Hongyang;Yu Wei~

2024/09550 ~ Complete ~54:DETECTING WEAR OF TRACK LINK PIN BASED ON SENSOR DATA OF A SENSOR DEVICE PROVIDED IN A CAVITY OF THE TRACK LINK PIN ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: AKINLUA, Temitope O.;GALAT, Michael S.~ 33:US ~31:17/806,560 ~32:13/06/2022

. - APPLIED ON 2024/12/12 -

2024/09582 ~ Provisional ~54:MEAT HANDLING METHOD ~71:INTELLIFARM (PTY) LTD., First Floor, Wrigley Field, The Campus, C/o Sloane & Main Street, Bryanston, 2021, South Africa ~72: PIETER JACOBUS DE WET~

2024/09584 ~ Complete ~54:OPTIMAL CONTROL METHOD OF REFLOW OVEN TEMPERATURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Meng;HUA Pei;HUANG Xiaoya;LIU Changsheng;ZHANG Xiaoguo~

2024/09585 ~ Complete ~54:METHOD FOR FIELD FOCUSING BASED ON WEBPAGE KEYWORDS AND SYSTEM ~71:Shandong University of Finance and Economics, No. 7366, East Second Ring Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: YUE, Houguang~

2024/09588 ~ Complete ~54:A DETECTION DEVICE FOR REGENERATED POLYESTER AND COTTON FUNCTIONAL FABRIC ~71:Tarim University, No. 1487 Tarim Avenue East, Alar City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: CHEN Peiyu;LAN Haipeng;LU Dengning;MA Jiale;MAO Biqi;ZHANG Hong;ZHANG Yongcheng~ 33:CN ~31:2024116130085 ~32:13/11/2024

2024/09592 ~ Complete ~54:HIGH-EFFICIENCY AND ENERGY-SAVING AIR CONDITIONING SYSTEM WITH DEHUMIDIFICATION FUNCTION ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: DONG, Shanshan;GAO, Jinhui;GAO, Shuning;HENG, Lijun;HOU, Hongjie;JIN, Junjie;KONG, Youfang~

2024/09595 ~ Complete ~54:ANTI-COMPLEMENT C1S ANTIBODY FORMULATION ~71:BIOVERATIV USA INC., 225 Second Avenue, Waltham, United States of America ~72: PATKE, Sanket;UKIDVE, Anvay, Ashish~ 33:US ~31:63/352,475 ~32:15/06/2022

2024/09602 ~ Complete ~54:MINERALISATION OF WOOD PRODUCTS AND MINERALISED WOOD PRODUCTS ~71:SYMONS, Michael, Windsor, 16 LUIPAARDS ROAD, MONUMENT PARK, 0105, SOUTH AFRICA, South Africa ~72: SYMONS, Michael, Windsor~ 33:ZA ~31:2022/06139 ~32:02/06/2022

2024/09613 ~ Complete ~54:SOYBEAN TRANSGENIC EVENT GM_CSM63770 AND METHODS FOR DETECTION AND USES THEREOF ~71:Monsanto Technology LLC, 800 North Lindbergh Blvd., SAINT. LOUIS 63167, MO, USA, United States of America ~72: BROWN, Sarah L.;GABBERT, Karen K.;GOWDA,

Anilkumar;MACRAE, Ted C.;RUSCHKE, Lisa G.;RYMARQUIS, Linda;SHI, Xiaohong~ 33:US ~31:63/355,947 ~32:27/06/2022

2024/09589 ~ Complete ~54:A DRIP IRRIGATION TAPE RECYCLING AND PACKAGING MACHINE ~71:Tarim University, No. 1487 Tarim Avenue East, Alar City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: CHEN Peiyu;LAN Haipeng;MA Jiale;MAO Biqi;ZHANG Yongcheng~ 33:CN ~31:2024116131374 ~32:13/11/2024

2024/09579 ~ Provisional ~54:BUSCOR E-TICKET / APP ONLINE TICKET SALES APPLICATION HARDWARE ~71:Willy sfiso Sibuyi, 57 Frank Townsend Street, White River, White River, South Africa ~72: Willy sfiso Sibuyi~

2024/09583 ~ Provisional ~54:EMULSION CRYSTAL SEPARATOR ~71:VERANO (PTY) LTD, 18 SUIKERBEKKIE STREET, SUNWARD PARK, BOKSBURG, South Africa ~72: ANTONIE JOSEF VERGOTTINI~

2024/09593 ~ Complete ~54:MULTI-HEAD INFRARED SUSPENSION MOXIBUSTION INSTRUMENT ~71:SHANXI MEDICAL UNIVERSITY, NO. 56, XINJIAN SOUTH ROAD, TAIYUAN CITY, People's Republic of China ~72: GUO, Lina;LI, Lin;LI, Yunlan;LIU, Weiran;WANG, Jun;WU, Jiayi~

2024/09607 ~ Complete ~54:ELASTIC CUSHION, ELASTIC CUSHION ASSEMBLY METHOD, AND FURNITURE ~71:New-Tec Integration (Xiamen) Co., Ltd., No. 88, Zhennan 3rd Road, Tong’an District, XIAMEN 361100, FUJIAN, CHINA (P.R.C.), People's Republic of China ~72: LENG, Luhao~ 33:CN ~31:202210693497.4 ~32:17/06/2022;33:CN ~31:202211678539.3 ~32:26/12/2022

2024/09609 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING WRN HELICASE INHIBITORS ~71:Vividion Therapeutics, Inc., 5820 Nancy Ridge Drive, SAN DIEGO 92121, CA, USA, United States of America ~72: BURGESS, Larry;GREEN, Jason;HORNING, Benjamin;KIKUCHI, Shota;LAM, Betty;LAMB, Kelsey;MALMSTROM, Robert;OWYANG, Zachary;ROGNESS, Don;WEINSTEIN, David~ 33:US ~31:63/367,781 ~32:06/07/2022

2024/09611 ~ Complete ~54:PLATED STEEL SHEET ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: MITSUNOBU , Takuya;TOKUDA , Kohei;URANAKA , Masaaki~ 33:JP ~31:2022-100351 ~32:22/06/2022

2024/09619 ~ Complete ~54:METAL ION SEPARATION TECHNIQUE USING PH ADJUSTMENT AND RESIN PACKED COLUMNS ~71:SHINE TECHNOLOGIES, LLC, 3400 Innovation Ct., Janesville, Wisconsin, 53546, United States of America ~72: ABDUL MOMEN;ERIC EDWARDS;MAREK PIECHOWICZ;MARK JOHNSON;RILEY MCSWEENY~ 33:US ~31:17/841,423 ~32:15/06/2022

2024/09590 ~ Complete ~54:CALCULATION METHOD AND SYSTEM FOR TUNNEL BASE GROUTING VOLUME ~71:CENTRAL SOUTH UNIVERSITY, No. 932, South Lu Shan Road, Yuelu District, Changsha City, Hunan Province, Changsha, People's Republic of China ~72: Can Huang;Siyuan Yu;Tianya Gao;Weihang Li;Xijun Fan;You Wang;Yue Ma;Zixi Yin~ 33:CN ~31:202410807302.3 ~32:21/06/2024

2024/09597 ~ Complete ~54:ALUMINUM ALLOY ADDITIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:DALIAN KETIAN NEW MATERIAL CO., LTD., Room 1302, 13th Floor, Science and Technology Innovation Building, No. 131 Guangxian Road, People's Republic of China ~72: SHI, Guodong;WANG, Hanguang;WANG, Puguang~ 33:CN ~31:202210690474.8 ~32:17/06/2022

2024/09601 ~ Complete ~54:PLANETARY GEAR ASSEMBLY ~71:AUMA RIESTER GMBH & CO. KG, Aumastrasse 1, Germany ~72: Anna WIRTZ;Dr. Benjamin HOFMANN;Tobias WASSER~ 33:DE ~31:10 2022 118 426.9 ~32:22/07/2022

2024/09605 ~ Complete ~54:SOLID FORMS OF HETEROCYCLYLAMIDES AS IRAK4 INHIBITORS ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: BERGGREN, Anna Ingrid Kristina;PUTRA, Okky;TERSTIEGE, Ina~ 33:US ~31:63/365,387 ~32:26/05/2022

2024/09612 ~ Complete ~54:HIGH INTEGRITY SAFETY MANAGEMENT ~71:SAAB AB, LINKÖPING 581 88, SWEDEN, Sweden ~72: GRANTE, Christian~ 33:EP ~31:22179729.3 ~32:17/06/2022

2024/09621 ~ Complete ~54:AUTOMATIC CORAL PLANTING DEVICE AND CORAL PLANTING METHOD ~71:SICHUAN AEROSPACE VOCATIONAL COLLEGE, NO.155 TIANSHENG ROAD, LONGQUANYI DISTRICT, People's Republic of China ~72: DENG, Sizhu;LIU, Qingjie;PENG, Shineng;QING, Siguang;WANG, Zhou;WU, Hongtao~ 33:CN ~31:2022105581195 ~32:21/05/2022;33:IB ~31:PCT/CN2023/095260 ~32:19/05/2023

2024/09496 ~ Complete ~54:PESTICIDE COMPOSITION INHIBITING ONION BACTERIAL ROOT ROT AND ITS APPLICATION ~71: ~72: CHANG Guojun;CHANG Yu;DENG Penglong;FU Yingmu;HE Dan;LI Hongyang;MA Jingwei;MA Shifeng;WANG Jianle;WANG Yating;YANG Rongyan;YANG Wan;YANG Weicheng;ZHANG Fuping;ZHANG Yu~

2024/09600 ~ Complete ~54:COMPOUND-DIAGNOSTIC MARKER FOR UTERINE BODY CANCER, METHOD FOR DETECTING ENZYMATIC ACTIVITY, METHOD FOR DIAGNOSIS OF UTERINE BODY CANCER, KIT COMPRISING THE COMPOUND, USES OF THE COMPOUND AND METHOD FOR THE TREATMENT OF UTERINE BODY CANCER ~71:URTESTE S.A., Ul. Starodworska 1, Poland ~72: GRUBA, Natalia;LESNER, Adam~ 33:PL ~31:P.441568 ~32:28/06/2022

2024/09610 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING WRN HELICASE INHIBITORS ~71:Vividion Therapeutics, Inc., 5820 Nancy Ridge Drive, SAN DIEGO 92121, CA, USA, United States of America ~72: BURGESS, Larry;GREEN, Jason;KIKUCHI, Shota;LAM, Betty;MALMSTROM, Robert;ROGNESS, Don;WEINSTEIN, David~ 33:US ~31:63/367,789 ~32:06/07/2022

2024/09615 ~ Complete ~54:DIARYLHEPTANOID BASED MEDICINAL PREPARATION AND METHOD OF PREPARATION OF THE SAME ~71:ARJUNA NATURAL PRIVATE LIMITED, P.B. No. 126, Bank Road, Aluva, Kerala, 683101, India ~72: ANTONY, Benny~ 33:IN ~31:202241027627 ~32:13/05/2022

2024/09618 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING A NONWOVEN FABRIC ~71:REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK, Spicher Straße 46, 53844, Troisdorf, Germany ~72: ANDREAS RÖSNER;PATRICK BOHL;SEBASTIAN SOMMER;TOBIAS WAGNER~ 33:DE ~31:10 2022 115 205.7 ~32:17/06/2022

2024/09599 ~ Complete ~54:PHOTOVOLTAIC ROOF TILES ~71:BROATCH, Peter, THE CARTSHED, CHURCH LANE, OSMINGTON, WEYMOUTH DORSET DT3 6EW, UNITED KINGDOM, United Kingdom ~72: BROATCH, Peter~ 33:GB ~31:2209698.6 ~32:01/07/2022

2024/09587 ~ Complete ~54:MOBILE MAINTENANCE OPERATION SIGN VEHICLE ~71:Yunfeng Li, Room 401, Unit 1, Building 3, Huarun Zhongyanggongyuan, Beijing Road Extension Line, Panlong Dist., Kunming, Yunnan, People's Republic of China ~72: Yunfeng Li~ 33:CN ~31:202410791061.8 ~32:19/06/2024

2024/09606 ~ Complete ~54:UREA COMPLEXES OF ACTIVE INGREDIENTS ~71:Bayer CropScience LP, 800 North Lindbergh Blvd., SAINT LOUIS 63167, MO, USA, United States of America ~72: MORGENSTERN, David;WINDLER, Jr. , Gary Kenneth~ 33:US ~31:63/341,649 ~32:13/05/2022

2024/09616 ~ Complete ~54:SPUNBONDED NONWOVEN LAMINATE AND PROCESS FOR PRODUCING A SPUNBONDED NONWOVEN LAMINATE ~71:REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK, Spicher Straße 46, 53844, Troisdorf, Germany ~72: ANDREAS RÖSNER;PATRICK BOHL;TOBIAS WAGNER~ 33:DE ~31:10 2022 115 200.6 ~32:17/06/2022

2024/09620 ~ Complete ~54:CAS ENDONUCLEASE AND GUIDE RNA VARIANTS WITH IMPROVED EFFICIENCY ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 NW 62nd Avenue P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: ELIZABETH SOMMERS VAN GINKLE;JOSHUA K YOUNG~ 33:US ~31:63/352,100 ~32:14/06/2022;33:US ~31:63/378,897 ~32:10/10/2022;33:US ~31:63/481,458 ~32:25/01/2023;33:US ~31:63/497,314 ~32:20/04/2023

2024/09581 ~ Provisional ~54:MULTI-BARREL RAPID-FIRE GUN ~71:C-FPV APS, H.P. Hanssens Gade 42, DK-6200 Aabenraa, Denmark ~72: JØRGEN LEIF SVANE;RASMUS NORMANN WILKEN ERIKSEN~

2024/09591 ~ Complete ~54:WATER BODY MONITORING DEVICE ~71:LIFEGUARD-AI INC., 1013 Centre road suit 403B Wilmington, Delaware 19805, United States of America ~72: ALEX KAPMAR;NOSON ROSENBERG~ 33:US ~31:63/613,107 ~32:21/12/2023;33:US ~31:18/739,036 ~32:10/06/2024

2024/09594 ~ Complete ~54:EFFECTIVE DOSAGE OF RECOMBINANT SERPIN-FC FUSION PROTEIN FOR USE IN A METHOD OF TREATING AAT DEFICIENCY IN A SUBJECT ~71:SANOFI AATD INC., 450 Water Street, Cambridge, United States of America ~72: BHAGWAT, Sharvari;KALABUS, James~ 33:US ~31:63/342,264 ~32:16/05/2022;33:US ~31:63/492,692 ~32:28/03/2023

2024/09596 ~ Complete ~54:MATERIALS AND METHODS FOR RECOVERING MINERALS FROM INDUSTRIAL WASTEWATER ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: CERVANTES, Juan;KNESEL, Gabriela;MONYAKE, Cathrine;SILVA, Ronney~ 33:US ~31:63/390,732 ~32:20/07/2022;33:US ~31:63/503,228 ~32:19/05/2023

2024/09614 ~ Complete ~54:FERTILIZER CONTAINING A SOURCE OF COPPER ~71:AGRA GROUP, a.s., Tovarni 201, STRELSKE HOSTICE 387 15, CZECH REPUBLIC, Czech Republic ~72: CIGLER, Petr;MRAZ, Jaroslav;PLUHAR, Pavel~ 33:CZ ~31:PV 2022-298 ~32:04/07/2022

2024/09617 ~ Complete ~54:NONWOVEN FABRIC, AND DEVICE FOR PRODUCING A NONWOVEN FABRIC ~71:REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK, Spicher Straße 46, 53844, Troisdorf, Germany ~72: ANDREAS RÖSNER;PATRICK BOHL;TOBIAS WAGNER~ 33:DE ~31:10 2022 115 200.6 ~32:17/06/2022

2024/09598 ~ Complete ~54:CAS PROTEIN WITH IMPROVED EDITING ACTIVITY AND USE THEREOF ~71:SHANDONG SHUNFENG BIOTECHNOLOGY CO. LTD., Innovation Center, High-Tech Zone, Jinan, Shandong, 250000, People's Republic of China ~72: DUAN, Zhiqiang;LIANG, Yafeng~ 33:CN ~31:202211326596.5 ~32:25/10/2022

2024/09608 ~ Complete ~54:ELASTIC MATTRESS ~71:New-Tec Integration (Xiamen) Co., Ltd., No. 88, Zhennan 3rd Road, Tong'an District, XIAMEN 361100, FUJIAN, CHINA (P.R.C.), People's Republic of China ~72: LENG, Luhao~ 33:CN ~31:202221532984.4 ~32:17/06/2022

2024/09580 ~ Provisional ~54:A COMPANY-CENTRIC RIDE-HAILING AND SHUTTLE SERVICE MANAGEMENT PLATFORM ~71:ZUTTLE (PTY) LTD, 45 FIRMOUNT ROAD, SEA POINT, CAPE TOWN, 8005, SOUTH AFRICA, South Africa ~72: HANNAH, Jean;VIVIERS, Jacques~

2024/09586 ~ Complete ~54:A PATROL PATH PLANNING METHOD FOR AN ELECTRIC UNMANNED AERIAL VEHICLE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City,

Henan Province, People's Republic of China ~72: HU Sumin;HUANG Xiaoya;MU Jingjing;XU Huafeng;ZHANG Xiaoguo~

2024/09603 ~ Complete ~54:A CONTAINER FOR A SUBSTANCE ~71:CONOHAN, Jonathan, 5046 Nicholls Island Road, Canada ~72: CONOHAN, Jonathan~ 33:US ~31:63/344,228 ~32:20/05/2022

2024/09604 ~ Complete ~54:SEED COMPOSITION AND RELATED METHODS OF MANUFACTURE AND USE ~71:DONAGHYS LIMITED, Unit D, 14-16 Sheffield Crescent, Harewood, New Zealand ~72: YERITSYAN, Karen~ 33:AU ~31:2022902431 ~32:25/08/2022;33:AU ~31:2023900419 ~32:20/02/2023;33:AU ~31:2023901415 ~32:10/05/2023

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2011/06134	TEKSID DO BRASIL LTDA	TUPY S/A
2011/06424	TEKSID DO BRASIL LTDA	TUPY S/A
2022/04385	MEIRAGTX THERAPEUTICS, INC.	MEIRAGTX UK II LIMITED
2023/11798	CERECIN INC.	CERECIN AUSTRALIA PTY LIMITED
2015/00237	ABENGOA BIOENERGIA NUEVAS TECNOLOGIAS, S.A.	CATALYXX INC.
2008/03087	UNIMED PHARMACEUTICALS, LLC	BESINS HEALTHCARE LUXEMBOURG SARL
2023/02170	THE FLOREY INSTITUTE OF NEUROISCIENCE AND MENTAL HEALTH	PRAXIS PRECISION MEDICINES, INC.
2019/06011	FOCHON PHARMACEUTICALS, LTD.	SHANGHAI FOSUN PHARMACEUTICAL INDUSTRIAL DEVELOPMENT CO., LTD.
2017/04898	VAN EEDEN, BAREND, JACOBUS	VAN NIEKERK, IAN
2019/00482	SPEROVIE BIOSCIENCE, INC.	F-STAR THERAPEUTICS, INC.
2019/00482	F-STAR THERAPEUTICS, INC.	INVOX PHARMA LIMITED
2014/00202	GENERAL ELECTRIC TECHNOLOGY GMBH	POWER SOLUTIONS GAMMA FRANCE
2014/06232	GENERAL ELECTRIC TECHNOLOGY GMBH	POWER SOLUTIONS GAMMA FRANCE
2023/00166	GENERAL ELECTRIC TECHNOLOGY GMBH	POWER SOLUTIONS GAMMA FRANCE
2023/05377	WELLSTAT THERAPEUTICS CORPORATION	PHARMA CINQ, LLC
2015/05107	LINDE GMBH	BASF SE THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2015/05107	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP UHDE GMBH
2024/03272	THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH	PRAXIS PRECISION MEDICINES, INC.
2023/05243	WELLSTAT THERAPEUTICS CORPORATION	PHARMA CINQ, LLC
2023/02074	WELLSTAT THERAPEUTICS CORPORATION	PHARMA CINQ, LLC
2023/07147	BAYER AKTIENGESELLSCHAFT	BAYER CROPSCIENCE SCHWEIZ AG

Application Number	Assignor	Assignee
2010/08292	KIRK, PATRICIA LINDA	HUTCHSON, CLIVE DEAN COETZEE SHARON VICKI
2014/04210	BASF SE	BASF CATALYSTS LLC
2014/04210	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2010/05017	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2022/03787	BASF SE	BASF CATALYSTS LLC
2022/03787	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/07045	BASF SE	BASF CATALYSTS LLC
2020/07045	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/00436	BASF SE	BASF CATALYSTS LLC
2020/00436	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2008/05188	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2016/08280	BASF SE	BASF CATALYSTS LLC
2016/08280	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2012/04559	BASF SE	BASF CATALYSTS LLC
2012/04559	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2014/02467	BASF SE	BASF CATALYSTS LLC
2014/02467	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2011/01640	BASF SE	BASF CATALYSTS LLC
2011/01640	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2012/09014	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/06640	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2011/07684	BASF SE	BASF CATALYSTS LLC
2011/07684	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2014/09466	BASF SE	BASF CATALYSTS LLC
2014/09466	BASF CATALYSTS LLC	BASF MOBILE EMISSIONS CATALYSTS LLC
2015/04521	UNIVERSITE DE LILLE 2 DROIT ET SANTE	UNIVERSITE DE LILLE
2022/12927	THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH	PRAXIS PRECISION MEDICINES, INC.
2022/11389	PRECVISION BIOTECHNOLOGIES LTD.	GUANGZHOU MEDICAL UNIVERSITY and THE SECOND AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY
2021/04048	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2021/01177	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2022/07503	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2022/04674	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2022/03562	CIS PHARMA AG	CIS BIOPHARMA AG
2022/04908	CIS PHARMA AG	CIS BIOPHARMA AG
2020/06320	CIS PHARMA AG	CIS BIOPHARMA AG
2022/01464	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2024/00018	INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES	SHANDONG JIUZHOU WAGYU CATTLE BREEDING CO., LTD.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2021/10476	MENDES S.R.L.	EOS2021 S.R.L.
2011/04926	PAMGO SOLUTIONS LIMITED	BASTION PROTECT LIMITED
2014/00202	POWER SOLUTIONS GAMMA FRANCE	ARABELLE TECHNOLOGIES
2023/00166	POWER SOLUTIONS GAMMA FRANCE	ARABELLE TECHNOLOGIES
2015/05107	LINDE AG	LINDE GMBH
2022/11389	SMILEBIOTEK GUANGZHOU LIMITED	PRECVISION BIOTECHNOLOGIES LTD.
2013/00455	FLINT GROUP GERMANY GMBH	XSYS GERMANY GMBH
2017/05528	ARGENX BVBA	ARGENX BV
2020/02691	ARGENX BVBA	ARGENX BV
2020/07457	ARGENX BVBA	ARGENX BV
2021/08454	ARGENX BVBA	ARGENX BV
2017/05528	ARGENX BVBA	ARGENX BV
2021/09042	ARGENX BVBA	ARGENX BV
2021/00869	KEY BIOSCIENCE AG	KEYBIOSCIENCE SA
2021/06236	MODERN BIOSCIENCES LIMITED	ISTESSO THERAPEUTICS LIMITED

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

Application Number	Licensor	Licensee
2020/02391	TIP AGRI (PTY) LTD	PHILAGRO SA (PTY) LTD
2017/07517	TIP AGRI (PTY) LTD	PHILAGRO SA (PTY) LTD

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

No records available

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 **KEVIN GAST** whose address for service is **EDWARD NATHAN SONNENBERGS, RANDBURG** has applied to the registrar for the restoration of Patent No **2009/08426** entitled **PHARMACEUTICAL COMPOUND WHICH INCLUDES CLINOPTILOLITE** dated **30/11/2009**, which lapsed on **30/11/2017** 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

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: KUMIAI CHEMICAL INDUSTRY CO., LTD. of **4-26, IKENOHATA 1-CHOME, TAITO-KU, TOKYO, 1108782.** Request permission to amend the specification of letters patent no **2022/05942** of **27 MAY 2022** for **PROCESS FOR PRODUCING HERBICIDE AND INTERMEDIATE THEREOF.**

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

Mayo Foundation for Medical Education and Research 200 First Street S.W., ROCHESTER 55905, MN, USA. Request permission to amend the specification of letters patent no: **2021/03183** of **11/05/2021** for **ADENOVIRUSES AND METHODS FOR USING ADENOVIRUSES.**

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. **(43)** 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: 2012/03864. 22: 2012/05/25. 43: 2024/10/14
51: F01N
71: Saffil Automotive Limited
72: WEEKS, Kelvin, KELSALL, Adam
33: GB 31: 0921055.0 32: 2009-12-01
54: MOUNTING MAT
00: -
A mat for mounting a monolith, the mat comprising a first inorganic fibre layer, where the mat has a front edge intended to form a gas facing edge in use, a rear edge opposite thereto and side edges extending between the front and rear edges, wherein the first inorganic fibre layer at a first side edge of the mat, and/or at a second side edge of the mat is cut at an acute angle to the thickness direction of the mat.

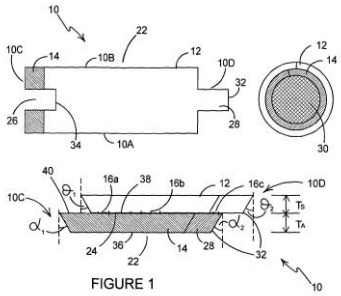
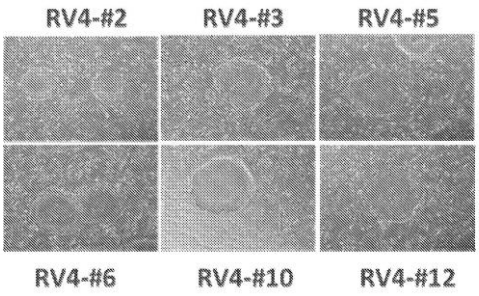


FIGURE 1

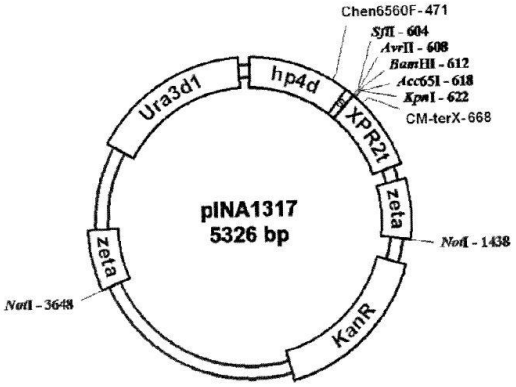
21: 2014/05320. 22: 2014/07/18. 43: 2024/10/22
51: C12N
71: DePuy Synthes Products, LLC
72: BUENSUCESO, Charito, SEYDA, Agnieszka, COLTER, David C., DHANARAJ, Sridevi, KRAMER, Brian C., EKERT, Jason Elliot, KAUFFMAN, Amanda Lynn
33: US 31: 13/331,283 32: 2011-12-20
54: INDUCED PLURIPOTENT STEM CELLS PREPARED FROM HUMAN KIDNEY-DERIVED CELLS
00: -
We have disclosed an induced pluripotent stem cell and the method of preparing the induced pluripotent stem cell from a human kidney-derived cell. More

particularly, we have disclosed a human kidney-derived iPS cell which may be differentiated into cells of ectoderm, mesoderm, and endoderm lineages.



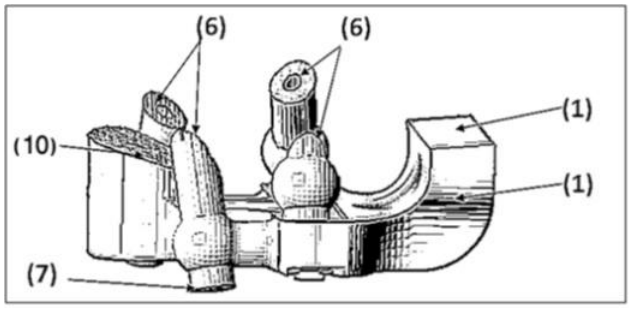
21: 2014/05612. 22: 2014/07/29. 43: 2024/10/28
51: G21F
71: TN Americas LLC
72: BRACEY, William, VAN RIPER, Thomas, WOLF, Uwe, BONDRE, Jayant Rajabhau, TAVASSOLI, Kamran, HAROON, Raheel
33: US 31: 61/588,550 32: 2012-01-19
54: SYSTEM FOR STORAGE AND TRANSPORTATION OF SPENT NUCLEAR FUEL
00: -
A concrete storage module (26) is adapted to slideably receive a cylindrical canister assembly (12) therein. Heat dissipation fins (62) and a tubular heat shield (96) are disposed within the module to help dissipate heat emitted from the nuclear fuel assemblies stored in the canister to air flowing through the module. The canister assembly (12) is composed of a basket assembly (70) constructed from multi-layer structural plates disposed in cross-cross or egg carton configuration. A single port tool (106) is provided for draining water from the canister (12) and replacing the drain water with make-up gas. The single port tool is mounted in the cover (100) of the canister and is in fluid flow communication with the interior of the canister.

21: 2015/06887. 22: 2015/09/16. 43: 2024/10/21
51: A61K; C12N; C12P
71: UNIVERSITY OF THE FREE STATE
72: BRADD ROBERT RICHARD, BOUCHER CHARLOTTE ENASTACIA, THERON CHRISPIAN WILLIAM, HITZEROTH ARINA CORLI
54: PRODUCTION OF POLYPEPTIDES RELEVANT TO HUMAN AND ANIMAL HEALTH USING YARROWIA LIPOLYTICA
00: -
The present relates to the expression of polypeptides using Yarrowia lipolytica, in particular the secretion of expressed polypeptides into either the extracellular space or the surface of the Y.lipolytica host cell wall. The invention also extends to the use of the polypeptides so expresses in biotechnological applications. The present invention provides an expression construct for the expression of polypeptides using at least a single Yarrowia lipolytica yeast cell, the expression cassette including an acid extracellular protease secretion signal sequence and flanking zeta sequence recombination sites.



21: 2015/09102. 22: 2015/12/14. 43: 2024/10/25
51: A61B; A61F
71: HAFEZ, Mamoud Alm EL Din
72: HAFEZ, Mahmoud Alm EL Din
54: DEVICE AND METHOD FOR FITTING AN ARTIFICIAL KNEE JOINT USING UNIVERSAL ELECTRONIC TEMPLATES WHICH CAN BE ADAPTED TO ALL ARTIFICIAL JOINTS
00: -
The invention relates to a device and corresponding method for designing surgical instruments introduced into a patient's body, in particular patient-specific instruments (PSI), and to the preparation of the intervention for implanting an artificial knee joint in a patient in need of total knee arthroplasty, according to universal templates, in terms of measurements and dimensions, which can fit articular implants produced by different manufacturers. The latter generally produce both the prostheses and the specific PSI, which renders these instruments very expensive and curbs their combined use, on a large scale, with other

prostheses produced by competitors. The device according to the invention is suitable for all sorts of artificial joints currently available on the market and for any type of joint which is already designed specifically for a patient and is to be produced in the future. The device according to the invention is an implantable instrument which is specific to each patient and the production of which is based on the segmentation and three-dimensional reconstruction of medical images (CT scans or MRI).

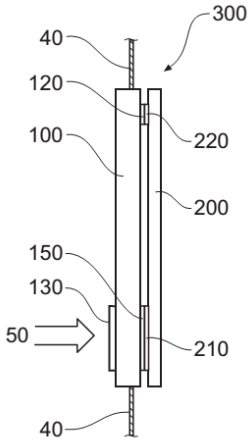


21: 2015/09301. 22: 2015/12/22. 43: 2024/10/25
51: H02B
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: LIFRAN, Xavier
33: AU 31: 2014905210 32: 2014-12-22
33: AU 31: 2014905203 32: 2014-12-22
33: AU 31: 2014905209 32: 2014-12-22
33: AU 31: 2014905211 32: 2014-12-22
33: AU 31: 2014905212 32: 2014-12-22
33: AU 31: 2014905213 32: 2014-12-22

54: ELECTRICAL SYSTEM, APPARATUS AND METHOD

00: -

Disclosed is an electric switch and outlet system, method and apparatus for providing a convenient and flexible means of tailoring functionality according to the user's requirements. There is provided a base unit for connecting to mains or supply power and for mounting to a surface such as a wall. The base comprises a base connector for connecting to a cover unit and in some embodiments, provides power to the cover unit.. The cover unit interfaces with the base unit to provide required functionalities. Cover units can be replaced with other cover units to conveniently provide different functionalities.



21: 2015/09305. 22: 2015/12/22. 43: 2024/10/25
51: H02B
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: DE MAN, Gerrit, REUTER, Mark
33: AU 31: 2014905263 32: 2014-12-22
33: AU 31: 2014905211 32: 2014-12-22
33: AU 31: 2014905203 32: 2014-12-22
33: AU 31: 2014905209 32: 2014-12-22
33: AU 31: 2014905210 32: 2014-12-22
33: AU 31: 2014905212 32: 2014-12-22

54: CONNECTION SYSTEM AND METHOD FOR ELECTRICAL OUTLETS

00: -

Disclosed are a connection system, method and apparatus for connecting electrical devices or components to a grid or base unit of a mountable electrical switch or outlet system. The system provides for the electrical devices to be connected to the grid or base unit by way of a sliding connector which in use, engages with a non-deflectable retaining surface of the electrical device or component. The retaining surface can be provided by a recess or a protrusion. The system provides for faster and more convenient connection and disconnection of electrical devices. Also disclosed are various embodiments of sliding connectors which can connect or disconnect multiple devices or components with a single sliding action by the user.

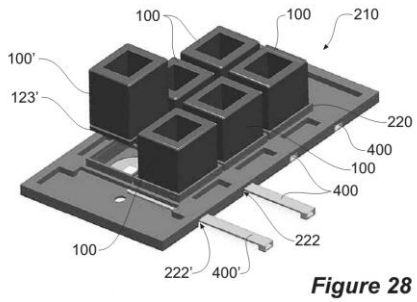
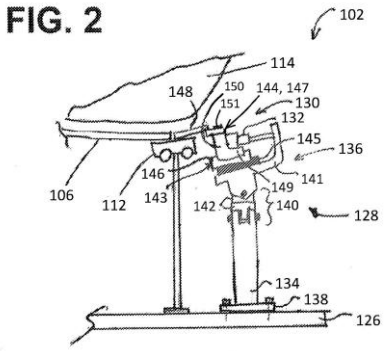


Figure 28

21: 2017/05749. 22: 2017/08/23. 43: 2024/10/09
51: A61K; C07D
71: VERSEON CORPORATION
72: SHORT, KEVIN MICHAEL, ESTIARTE-MARTINEZ, MARIA DE LOS ANGELES, KITA, DAVID BEN, SHIAU, TIMOTHY PHILIP
33: US 31: 62/126,424 32: 2015-02-27
54: SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS
00: -
There are provided inter alia multisubstituted aromatic compounds useful for the inhibition of thrombin and/or kallikrein, which compounds include substituted pyrazolyl. There are additionally provided pharmaceutical compositions. There are additionally provided methods of treating and preventing certain diseases or disorders, which diseases or disorders are amenable to treatment or prevention by the inhibition of thrombin and/or kallikrein.

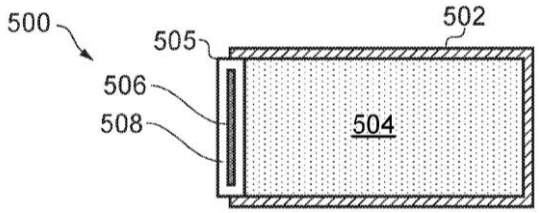
21: 2017/05874. 22: 2017/08/29. 43: 2024/10/09
51: A61P; A61K
71: OGEDA SA
72: HOVEYDA, HAMID, FRASER, GRAEME
33: EP 31: 15193513.7 32: 2015-11-06
33: EP 31: 15159296.1 32: 2015-03-16
54: NK-3 RECEPTOR ANTAGONISTS FOR THERAPEUTIC OR COSMETIC TREATMENT OF EXCESS BODY FAT
00: -
The present invention relates to the use of NK3R antagonists for the therapeutic treatment of pathological excess body fat and/or prevention of body fat gain in patients. The present invention also relates a cosmetic method for stimulating the loss of excess of body fat, comprising the administration of a NK-3 receptor antagonist.

21: 2017/08005. 22: 2017/11/24. 43: 2024/09/23
51: C03B
71: Pilkington Group Limited
72: TOMIK, John Stephan, WELLING, John Mark
33: US 31: 62/166,752 32: 2015-05-27
54: METHOD AND APPARATUS FOR SHAPING GLASS SHEETS
00: -
The invention relates to a method for shaping a glass sheet comprising the steps (i) heating the glass sheet to a temperature suitable for shaping; (ii) depositing the glass sheet on a first bending tool for supporting the glass sheet thereon, the glass sheet being in a first position relative to the first bending tool; (iii) contacting an edge portion of the glass sheet such that the glass sheet is moved to a second position relative to the first bending tool; and (iv) shaping the glass sheet on the first bending tool. Positioning devices for moving a hot glass sheet during the method of the invention are described. A glass shaping line for carrying out the method is also described.

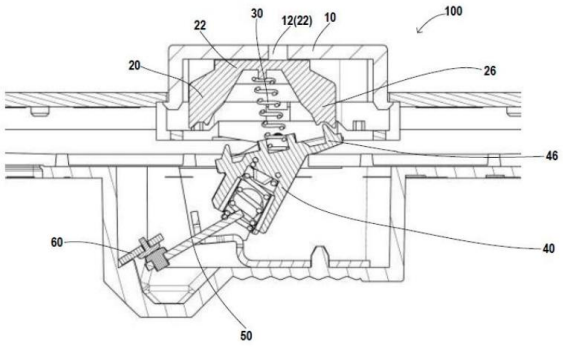


21: 2017/08560. 22: 2017/12/15. 43: 2024/09/23
51: A24F
71: Nicoventures Trading Limited
72: FRASER, Rory, DICKENS, Colin, JAIN, Siddhartha
33: GB 31: 1511349.1 32: 2015-06-29
54: ELECTRONIC AEROSOL PROVISION SYSTEMS
00: -
An aerosol provision system for generating an aerosol from a source liquid, the aerosol provision system comprising: a reservoir of source liquid; a planar vaporiser comprising a planar heating element (455, 555, 655), wherein the vaporiser is configured to draw source liquid from the reservoir to the vicinity of a vaporising surface of the vaporiser through capillary action; and an induction heater coil operable to induce current flow in the heating element to inductively heat the heating element and

so vaporise a portion of the source liquid in the vicinity of the vaporising surface of the vaporiser. In some example the vaporiser further comprises a porous wadding / wicking material, e.g. an electrically non-conducting fibrous material at least partially surrounding the planar heating element (susceptor) and in contact with source liquid from the reservoir to provide, or at least contribute to, the function of drawing source liquid from the reservoir to the vicinity of the vaporising surface of the vaporiser. In some examples the planar heating element (susceptor) may itself comprise a porous material so as to provide, or at least contribute to, the function of drawing source liquid from the reservoir to the vicinity of the vaporising surface of the vaporiser.



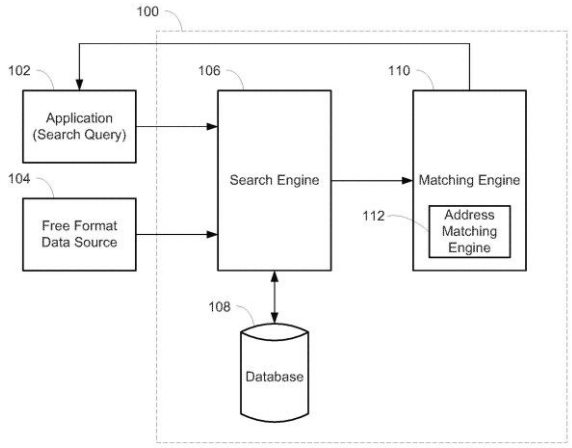
21: 2017/08739. 22: 2017/12/21. 43: 2024/10/25
51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Dahai, SHANG, Pei
33: CN 31: CN201621491712.9 32: 2016-12-30
54: TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET
00: -
A transmission device is provided, including: a transmission means (20), configured to indicate operation states of a push-button switch by exposing an indication part (22) of the transmission means (20); and an elastic means (30) for driving the transmission means (20), disposed between the transmission means (20) and a rocker (40) of the push-button switch and configured to be deformed in responding to a pushing of a push button (10) of the push-button switch, so as to drive the transmission means (20) to move between a first predetermined position and a second predetermined position, in which, the first predetermined position corresponds to an on state of the push-button switch and the second predetermined position corresponds to an off state of the push-button switch. A push-button switch and a socket are also provided. The transmission means is driven to move through the elastic force generated when the push button is pressed.



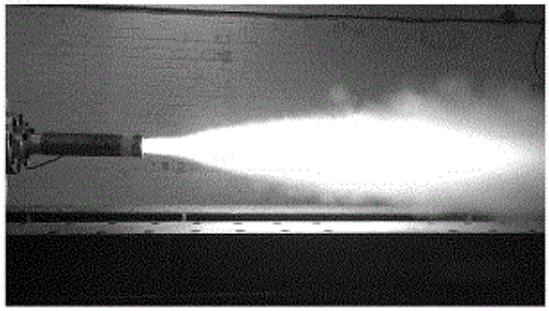
21: 2018/02403. 22: 2018/04/12. 43: 2024/10/29
51: C11D
71: HAGLEITNER, Hans Georg
72: HAGLEITNER, Hans Georg
33: EP 31: 15190193.1 32: 2015-10-16
54: LIQUID DETERGENT CONCENTRATE
00: -
A detergent concentrate comprising (i) 22 to 46% by weight alkaline metal hydroxide, (ii) 5 to 50% by weight dispersing agent, chelating agent or a combination thereof, (iii) 0 to 5% by weight tenside, (iv) 0 to 5% by weight excipients and (v) 28 to 39% by weight water, Wherein the detergent concentrate is a suspension, as well as methods of production therefor.

21: 2018/03014. 22: 2018/05/08. 43: 2024/10/10
51: G06F
71: Trans Union LLC
72: CHEN, Tong, BALESKI, Susan, RESKALA, Alejandro
33: US 31: 62/259,507 32: 2015-11-24
54: SYSTEM AND METHOD FOR AUTOMATED ADDRESS VERIFICATION
00: -
Various embodiments of the present disclosure provide a system and method for matching two or more addresses. In one embodiment, the system and method includes extracting certain strings or tokens from the addresses, storing the extracted portions into address property containers, and comparing the extracted properties in a layered approach based on the information constructed in the address property containers. In the first layer, the primary properties of the first address are compared

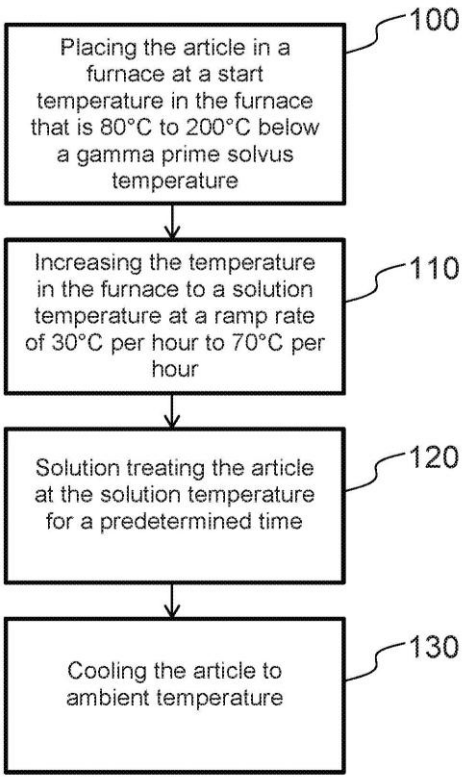
to the primary properties of the second address. In the second layer, for each common primary property the modifiers associated with the common primary property of the first address are compared to the modifiers associated with selected primary properties of the second address.



21: 2018/03076. 22: 2018/05/10. 43: 2024/10/09
51: C06B
71: LEWTAS SCIENCE & TECHNOLOGIES LTD
72: LEWTAS, KENNETH, JUBB, DANIEL, PRICE, MARK
33: GB 31: 1518010.2 32: 2015-10-12
54: IMPROVEMENTS IN OR RELATING TO ENERGETIC MATERIALS
00: -
Energetic materials comprising active components, a polymer binder matrix and a tackifying resin are useful as propellants, fuels, pyrotechnic materials and explosives; the tackifying resin improves the adhesion and dispersion of the active components throughout the binder resin.



21: 2018/03743. 22: 2018/06/06. 43: 2024/10/18
51: B22F; C22C; C22F
71: ATI Properties LLC
72: BOCKENSTEDT, Kevin, MINISANDRAM, Ramesh S.
33: US 31: 14/961,178 32: 2015-12-07
54: METHODS FOR PROCESSING NICKEL-BASE ALLOYS
00: -
A method for heat treating a powder metallurgy nickel-base alloy article comprises placing the article in a furnace at a start temperature in the furnace that is 80°C to 200°C below a gamma prime solvus temperature, and increasing the temperature in the furnace to a solution temperature at a ramp rate in the range of 30°C per hour to 70°C per hour. The article is solution treated for a predetermined time, and cooled to ambient temperature.



21: 2018/05919. 22: 2018/09/04. 43: 2024/10/11
51: C07K
71: Tillotts Pharma AG
72: GUNDE, Tea, MEYER, Sebastian, FURRER, Esther Maria
33: EP(CH) 31: 16160907.8 32: 2016-03-17
54: ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF
00: -
The present invention relates to antibody molecules and functional fragments thereof, capable of binding to tumor necrosis factor alpha (TNFα), to processes for their production, and to their therapeutic uses.

21: 2018/06677. 22: 2018/10/08. 43: 2024/10/10
51: A61L; B01D; B08B; B63B; C02F
71: Koninklijke Philips N.V.
72: SALTERS, Bart Andre, HIETBRINK, Roelant Boudewijn
33: EP(NL) 31: 16159296.9 32: 2016-03-09
54: AN ASSEMBLY COMPRISING AT LEAST TWO ELEMENTS IN A MOVABLE ARRANGEMENT RELATIVE TO EACH OTHER AND AN ANTI-FOULING SYSTEM
00: -
An assembly (2) comprising at least two elements (10, 24) in a movable arrangement relative to each other for performing a first function of the assembly (2) is furthermore equipped with an anti-biofouling system (30) for subjecting at least an area (11) of the assembly (2) to be at least partially exposed to water during at least a part of its lifetime to an anti-biofouling action as an additional function of the assembly (2), different from the first function of the assembly (2). The anti-biofouling system (30) comprises one or more light sources (32) for emitting anti-biofouling light, and the anti-biofouling system (30) is adapted to realize coverage of the area (11) with the anti-biofouling light on the basis of the movable arrangement of the at least two elements (10, 24) relative to each other for performing the first function of the assembly (2).

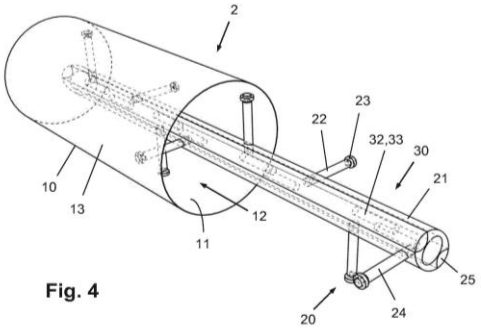
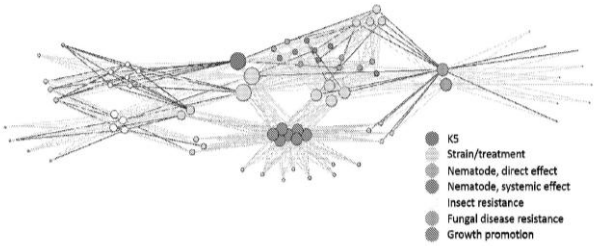


Fig. 4

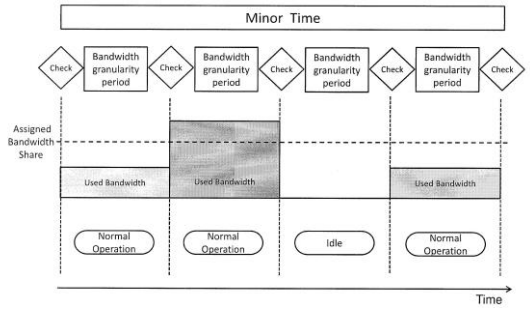
21: 2018/07504. 22: 2018/11/08. 43: 2024/10/25
51: C05F; C05G
71: Advanced Biological Marketing, Inc.
72: HARMAN, Gary E., CADLE-DAVIDSON, Molly, NOSIR, Walid
54: HIGHLY EFFECTIVE AND MULTIFUNCTIONAL MICROBIAL COMPOSITIONS AND USES
00: -
The disclosure generally describes the discovery of a train of *Trichoderma gamsii* (NRRL B- 50520) that has multiple capabilities for various uses in plant agriculture and development of systems for its use. This patent application compares its abilities to enhance plant agriculture for a number of applications with a number of other microbial agents and that are contained within useful formulations. While other strains or mixtures have abilities to confer one trait or another, this strain appears to be uniquely versatile in its capabilities. It can be used in conventional or organic agriculture for the promotion of plant growth and increase in crop yields when applied topically as a foliar spray or as a seed coating. The highly active products also are expected to increase plant productivity and improve quality of fruits, vegetables, flowers or other plant products.



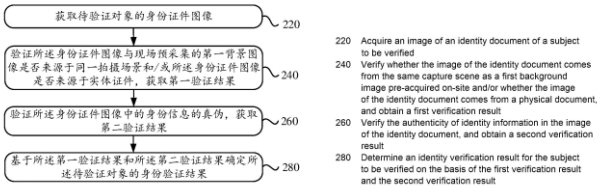
21: 2019/02140. 22: 2019/04/05. 43: 2024/10/14
51: C07K
71: GENETHON, SORBONNE UNIVERSITE, INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, ASSOCIATION INSTITUT DE MYOLOGIE
72: MINGOZZI, Federico, RONZITTI, Giuseppe, COLELLA, Pasqualina, PUZZO, Francesco
33: EP 31: 16306149.2 32: 2016-09-12
54: ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF
00: -
The present invention relates to variants of acid-alpha glucosidase and uses thereof.

21: 2019/02683. 22: 2019/04/29. 43: 2024/10/10
51: G06F
71: Leonardo S.p.A.
72: SOZZI, Marco, TRAVERSONE, Massimo
33: IT 31: 102016000109768 32: 2016-10-31
54: CERTIFIABLE DETERMINISTIC SYSTEM SOFTWARE FRAMEWORK FOR HARD REAL-TIME SAFETY-CRITICAL APPLICATIONS IN AVIONICS SYSTEMS FEATURING MULTI-CORE PROCESSORS
00: -
An avionics system (1) comprising a central processing unit (2) to implement one or more hard real-time safety-critical applications, the central processing unit (2) comprises a multi-core processor (3) with a plurality of cores (4), an avionics system software executable by the multi-core processor (3),

a memory (6), and a common bus (8) though which the multi-core processor (3) can access the memory (6); the avionics system (1) is characterized in that the avionics system software is designed to cause, when executed, the cores (4) in the multi-core processor (3) to access the memory (6) through the common bus (8) by sharing bus bandwidth according to assigned bus bandwidth shares.

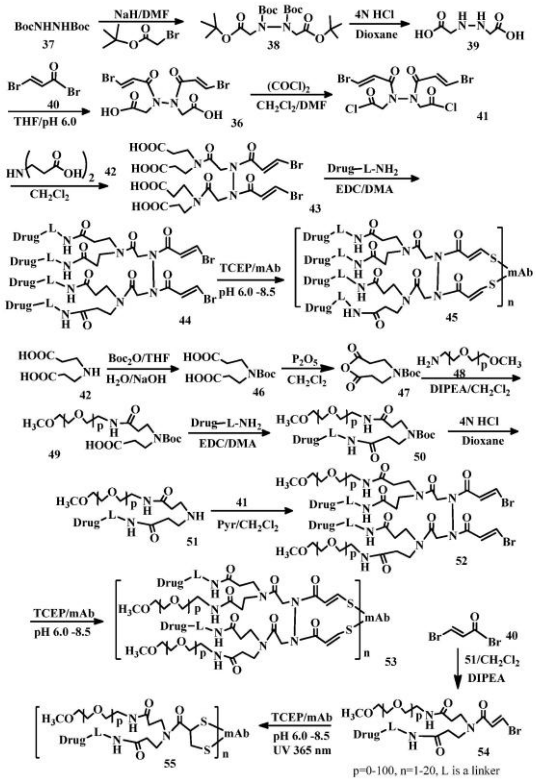


21: 2019/02687. 22: 2019/04/29. 43: 2024/10/10
51: G06K
71: Advanced New Technologies Co., Ltd.
72: ZHENG, Dandan, XU, Wei, LI, Liang
33: CN 31: 201710986508.7 32: 2017-10-20
54: METHOD AND APPARATUS FOR VERIFYING DOCUMENTS AND IDENTITY
00: -
Disclosed in the present application are a method and apparatus for verifying documents and identity. The method comprises: first, acquiring an image of an identity document of a subject to be verified; then verifying whether the image of the identity document comes from the same capture scene as a first background image pre-acquired on-site and/or whether the image of the identity document comes from a physical document, and obtaining a first verification result; simultaneously verifying the authenticity of identity information in the image of the identity document, and obtaining a second verification result; and finally determining an identity verification result for the subject to be verified on the basis of the first verification result and the second verification result.

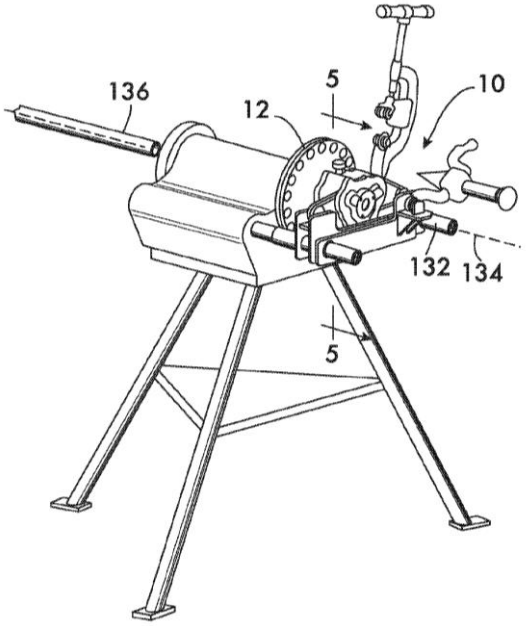


21: 2019/03425. 22: 2019/05/29. 43: 2024/09/20
51: A61K
71: Novo Nordisk A/S
72: NORRMAN, Mathias, HOSTRUP, Susanne, STEENSGAARD, Dorte Bjerre, STRAUSS, Holger Martin, HANSEN, Rosa Rebecca Erritzøe, HAVELUND, Svend, SCHLEIN, Morten, MARINO, Jesper Søndergaard
33: EP(DK) 31: 16204688.2 32: 2016-12-16
54: INSULIN CONTAINING PHARMACEUTICAL COMPOSITIONS
00: -
The present invention is in the field of pharmaceutical compositions for the treatment of medical conditions relating to diabetes. More specifically the invention provides pharmaceutical compositions comprising a long-acting acylated derivative of a human insulin analogue, and to the medical use of such compositions for basal insulin administration therapy.

21: 2019/03667. 22: 2019/06/07. 43: 2024/10/10
51: A61K
71: Hangzhou DAC Biotech Co. Ltd
72: ZHAO, Yongxin Robert, YANG, Qingliang, HUANG, Yuanyuan, GAI, Shun, YE, Hangbo, ZHAO, Linyao, YANG, Chengyu, GUO, Huihui, ZHOU, Xiaomai, XIE, Hongsheng, ZHU, Haifeng, XU, Yifang, TONG, Qianqian, JIA, Junxiang, CAO, Minjun, LI, Wenjun, GAO, Shuihong, GUO, Zhixiang, BAI, Lu, LI, Chen, YANG, Yanlei, WANG, Chunyan, YE, Zhichang
54: CONJUGATION LINKERS, CELL BINDING MOLECULE-DRUG CONJUGATES CONTAINING THE LIKERS, METHODS OF MAKING AND USES SUCH CONJUGATES WITH THE LINKERS
00: -
The present invention relates to linkers having a group of propiolyl, substituted acryl (acryloyl), or disubstituted propanoyl, and using such linkers for the conjugation of compounds, in particular, cytotoxic agents to a cell-binding molecule.



21: 2019/04499. 22: 2019/07/09. 43: 2024/11/05
51: B21D; B21H
71: VICTAULIC COMPANY
72: DOLE, Douglas R.
33: US 31: 15/585,457 32: 2017-05-03
54: CAM GROOVING MACHINE WITH CAM STOP SURFACES
00: -
A device for cold working pipe elements has two or more cams, each having a gear which meshes with a pinion to turn all of the cams. Each cam has a cam surface with a region of increasing radius and may have a region of constant radius extending around a cam body. Each cam also has a traction surface extending around a cam body. A discontinuity in each cam surface is aligned with a gap in the traction surface of each cam. The discontinuities and gaps provide clearance for insertion and removal of the pipe element between the cams to form a circumferential groove when the cams are rotated. A cup adjacent the pinion is movable along the pinion axis to engage and disengage from a stop surface on one of the cams. Engagement between the cup and a stop surface prevents rotation of the cam.



21: 2019/05070. 22: 2019/07/31. 43: 2024/09/20
51: A61K; C12N
71: EpicentRx, Inc.
72: REID, Tony R., ORONSKY, Bryan T., HEDJRAN, Farah, LARSON, Christopher
33: US 31: 62/452,075 32: 2017-01-30
54: TUMOR SELECTIVE TATA-BOX AND CAAT-BOX MUTANTS
00: -
The invention provides, e.g., a recombinant virus comprising (i) a modified TATA box-based promoter, and/or (ii) a modified CAAT box-based promoter operably linked to a gene, wherein the modified TATA box- based promoter and/or modified CAAT box-based promoter lacks a functional TATA box and/or CAAT box and permit selective expression of the gene in a hyperproliferative cell. The recombinant viruses can be used to treat cell proliferative diseases and disorders, including certain forms of cancer.

21: 2019/05415. 22: 2019/08/15. 43: 2024/10/09
51: B23K
71: OUTOKUMPU OYJ
72: DÖMKES, CHRISTIAN, HÜNDGEN, THOMAS, LINDNER, STEFAN
33: EP 31: 17157773.7 32: 2017-02-24
54: RESISTANCE WELDING OF UNWELDABLE METALS WITH THERMAL SPRAYED INTERLAYERS
00: -

The invention relates to a method for joining of at least two materials, non-weldable directly to each other with thermal joining processes in a lap joint configuration, where a two step sequence is used consisting of a first step to apply a thermomechanical or mechanical surface protection layer on the surface of a (stainless) steel substrate (1) and a second step where, a thermal joining process is used to weld the sprayed layer (2) with an applied aluminum sheet (3) without having brittle intermetallic phases in the whole material configuration.



21: 2019/05470. 22: 2019/08/19. 43: 2024/10/09
51: C12N; A61K
71: ASSISTANCE PUBLIQUE HOPITAUX DE PARIS, FONDATION IMAGINE - INSTITUT DES MALADIES GÉNÉTIQUES, UNIVERSITE PARIS CITÉ, INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE (INSERM)
72: ANDRE, ISABELLE, CAVAZZANA, MARINA, MA, KUIYING, TCHEN, JOHN, SOHEILI, TAYEBEH-SHABI, DEVI MOIRANGTHEM, RANJITA
33: EP 31: 17305161.6 32: 2017-02-13
54: METHOD FOR GENERATING T CELLS PROGENITORS
00: -
The invention relates to an in vitro method to generate T cell progenitors, comprising the step of culturing CD34+ cells in a medium containing TNF-alpha and/or an antagonist of the Aryl hydrocarbon/Dioxin receptor, in particular StemRegenin 1 (SR1), in presence of a Notch ligand and optionally a fibronectin fragment.

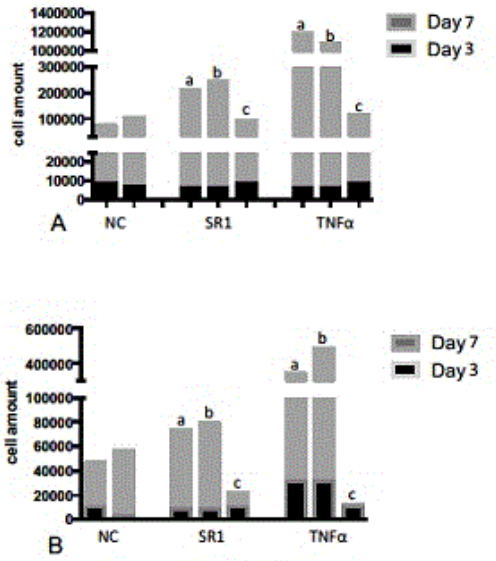
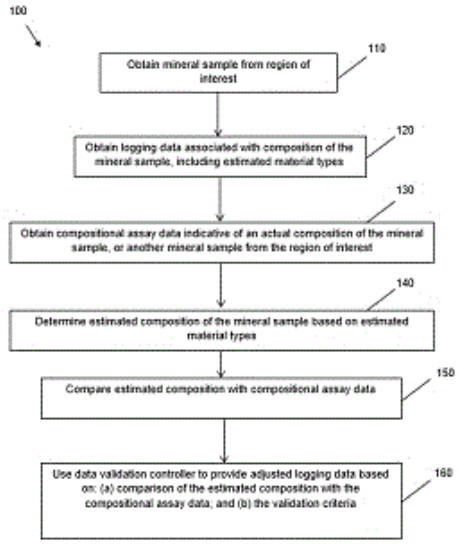
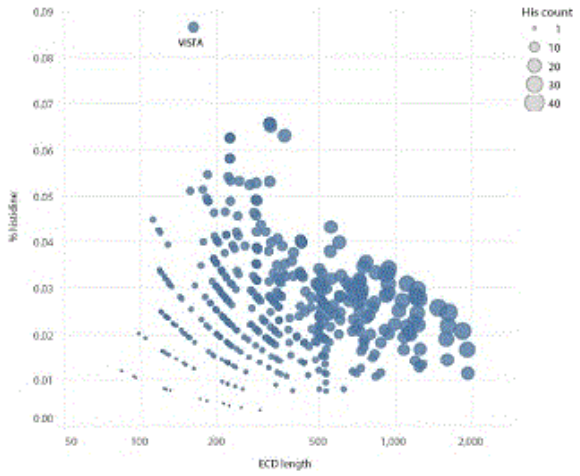


Figure 1

21: 2019/05521. 22: 2019/08/21. 43: 2024/10/09
51: G01N; G01V; G06Q; E21B; E21C
71: TECHNOLOGICAL RESOURCES PTY. LIMITED, THE UNIVERSITY OF WESTERN AUSTRALIA
72: HOLDEN, EUN-JUNG, WEDGE, DANIEL, PAINE, MARK, GREEN, THOMAS, LEWAN, ANDREW
33: AU 31: 2017900230 32: 2017-01-25
54: A METHOD AND SYSTEM FOR VALIDATING LOGGING DATA FOR A MINERAL SAMPLE
00: -
Disclosed is a method for validating logging data for a mineral sample which has been obtained from a region of interest. The method comprises obtaining logging data associated with a composition of the mineral sample, the logging data including one or more estimated material types present in the mineral sample. Compositional assay data indicative of an actual composition of the mineral sample or another mineral sample provided from the region of interest, is obtained. An estimated composition of the mineral sample is then determined based on the estimated material types. The estimated composition is then compared with the compositional assay data, and a data validation controller is used to provide adjusted logging data based on: the comparison of the estimated composition with the compositional assay data; and stored validation criteria which defines allowable modifications to the estimated material types based on physical properties associated with the material types.



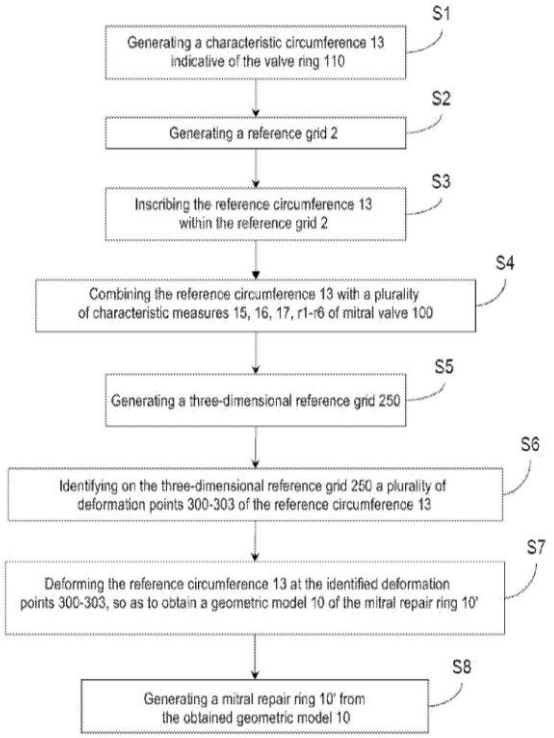
21: 2019/05525. 22: 2019/08/21. 43: 2024/10/09
51: A61K; C07K
71: FIVE PRIME THERAPEUTICS, INC., BRISTOL-MYERS SQUIBB COMPANY
72: JOHNSTON, ROBERT J, RAJPAL, ARVIND, SHEPPARD, PAUL O, BORGES, LUIS, RANKIN, ANDREW, BAHJAT, KEITH SADOON, KORMAN, ALAN J, DENG, ANDY X, SU, LIN HUI, RAKESTRAW, GINGER
33: US 31: 62/636,746 32: 2018-02-28
33: US 31: 62/471,196 32: 2017-03-14
54: ANTIBODIES BINDING TO VISTA AT ACIDIC PH
00: -
The present application relates to antibodies specifically binding to the V-domain immunoglobulin-containing suppressor of T-cell activation (VISTA) at acidic pH and their use in cancer treatment. In some embodiments, the antibodies bind specifically to human VISTA at acidic pH, but do not significantly bind to human VISTA at neutral or physiological pH.



21: 2019/06039. 22: 2019/09/12. 43: 2024/09/20
51: C12N
71: Danstar Ferment AG
72: ARGYROS, Aaron, OESER, Michelle, WISWALL, Erin, FISHER, Janet, VAN EIJK, Johannes, KRAUS, J. Kevin, WENGER, Kevin, HENNINGSEN, Brooks, SKINNER, Ryan
33: US 31: 62/470,631 32: 2017-03-13
54: RECOMBINANT YEAST HOST CELLS EXPRESSING CELL-ASSOCIATED HETEROLOGOUS PROTEINS
00: -
The present disclosure concerns recombinant yeast host cells expressing cell-associated heterologous proteins which are expressed during the propagation phase of the recombinant yeast host cells and processes for propagating same. The recombinant yeast host cells can be 5 used to make a yeast composition or a yeast product enriched in the heterologous proteins.

21: 2019/06547. 22: 2019/10/04. 43: 2024/10/10
51: A61F
71: CD MED S.R.L.
72: DEORSOLA, Luca
54: METHOD FOR GENERATING A MITRAL REPAIR RING, AND MITRAL REPAIR RING
00: -
In certain aspects, the invention relates to a method for generating a mitral repair ring for a corresponding mitral valve, comprising the steps of generating (S1) a reference circumference (13) indicative of said valve ring (110); generating (S2) a reference grid (2); inscribing (S3) said reference circumference (13) in

said reference grid (2); combining (S4) said reference circumference (13) with a plurality of characteristic measures (15, 16, 17, r1 -r6) of said mitral valve (100); generating (S5) a three-dimensional reference grid (250); identifying (S6) on said three-dimensional reference grid (250) a plurality of deformation points (300-302) of said reference circumference (13); deforming said reference circumference (13) at said deformation points (300-303) so as to obtain a geometric model (10) of said mitral repair ring (10'); and generating said mitral repair ring (10') from said obtained geometric model (10). The invention also relates to the mitral repair ring obtained by means of the aforesaid method and to its use in mitral annuloplasty.



21: 2020/00332. 22: 2020/01/17. 43: 2024/10/14
51: A61K; C07K
71: Vertex Pharmaceuticals Incorporated
72: MADISON, Edwin L., SOROS, Vanessa, POPKOV, Mikhail
33: US 31: 62/523,735 32: 2017-06-22
54: MODIFIED MEMBRANE TYPE SERINE PROTEASE 1 (MTSP-1) POLYPEPTIDES AND METHODS OF USE
00: -

Provided are MTSP-1 polypeptides modified to have altered activity and/or specificity so that they cleave a complement protein, such as complement protein C3, to inhibit its activity and thereby inhibit complement activation. The modified MTSP-1 polypeptides that inhibit complement activation can be used for treatment of diseases and conditions in which complement activation plays a role. Such diseases and conditions include inflammatory diseases and diseases with an inflammatory component. Exemplary of these disorders are ischemic and reperfusion disorders, including myocardial infarction and stroke, sepsis, autoimmune diseases, ophthalmic disorders, such as diabetic retinopathies and macular degeneration, including age-related macular degeneration (AMD), and transplanted organ rejection, such as renal delayed graft function (DGF).

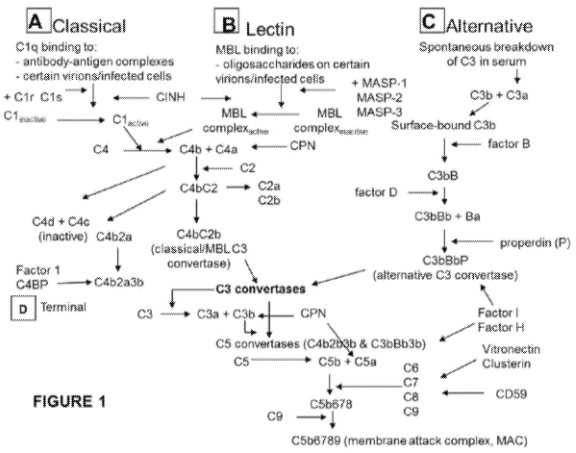
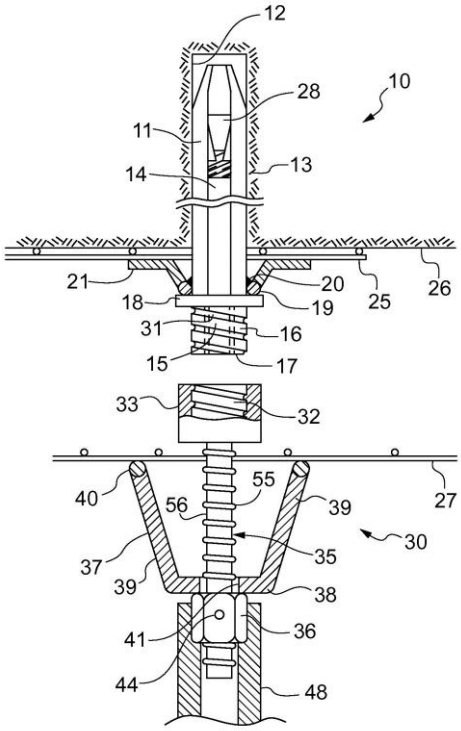


FIGURE 1

21: 2020/01413. 22: 2020/03/05. 43: 2024/11/15
51: A61K; A61P
71: YISHENG BIOPHARMA (SINGAPORE) PTE LTD
72: ZHANG, Yi
33: SG 31: 10201706540X 32: 2017-08-10
54: A COMPOSITION FOR TREATING AND/OR PREVENTING HEPATITIS B VIRUS INFECTION AND THE USE THEREOF
00: -
A composition for treating and/or preventing Hepatitis B virus infection and Hepatitis B virus infection mediated diseases and the method thereof are provided. In some embodiments, the composition includes a polyriboinosinic acid-polyribocytidylic acid (PIC), at least one antibiotic or

polyamide compound, at least one positive ion, and Hepatitis B virus surface antigen. In some embodiments, the composition includes PIC, at least one antibiotic or polyamide compound, at least one positive ion, Hepatitis B virus surface antigen and Hepatitis B virus core antigen. The present disclosure also relates to a method of treating and/or preventing Hepatitis B virus infection, particularly for treating chronic HBV infection.

21: 2020/02251. 22: 2020/05/04. 43: 2024/10/08
51: E21D
71: Sandvik Intellectual Property AB
72: RATAJ, Mieczyslaw, DARLINGTON, Bradley, YOUNG, Peter, ROACH, Warren
33: AU 31: 2017904776 32: 2017-11-27
54: ROCK BOLT WITH MESHING ADAPTER
00: -
A rock bolt and meshing assembly for installation of meshing sheet against a surface of rock strata. The rock bolt comprises an adapter having a first portion connectable to a trailing end of an elongate shaft of the rock bolt and means configured to receive and mount a meshing clamp to overlay a second section of meshing sheet against an already laid first section of meshing sheet.



21: 2020/03240. 22: 2020/05/29. 43: 2024/09/19
51: A61F
71: Edwards Lifesciences Corporation
72: METCHIK, Asher L., TYLER II, Gregory Scott, WINSTON, Matthew T., DELGADO, Sergio, FRESCHAUF, Lauren R., DIXON, Eric R., SIEGEL, Alexander J.
33: US 31: 62/615,213 32: 2018-01-09
54: NATIVE VALVE REPAIR DEVICES AND PROCEDURES
00: -
A valve repair device for repairing a native valve of a patient includes a pair of paddles, a pair of gripping members, and a spacer element. The paddles are movable between an open position and a closed position. The paddles and the gripping members are configured to attach to the native valve of the patient. The spacer element is configured to close a gap in the native valve of the patient when the valve repair device is attached to the native valve.

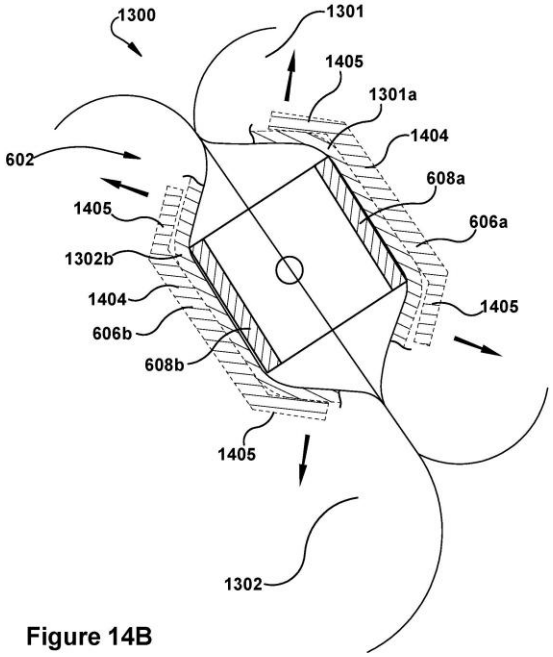
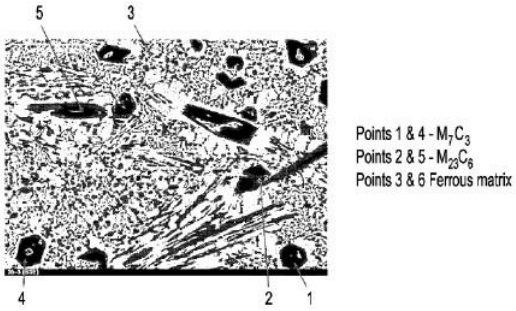


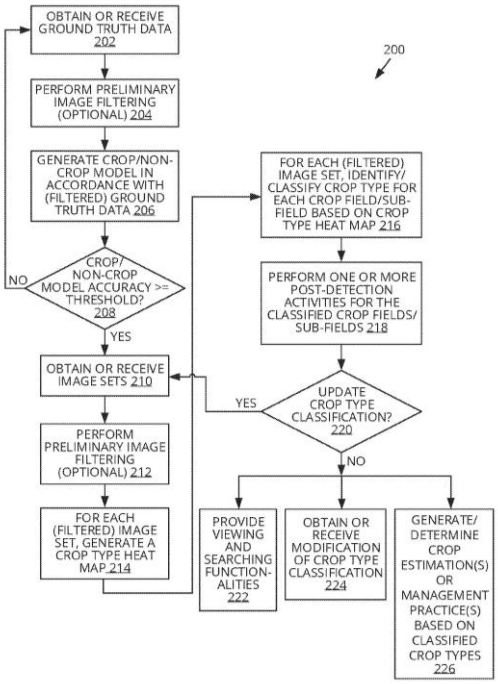
Figure 14B

21: 2020/04073. 22: 2020/07/03. 43: 2024/10/18
51: C21D; C22C
71: Weir Minerals Australia Limited
72: TANG, Xinhu
33: AU 31: 2017904866 32: 2017-12-04
54: TOUGH AND CORROSION RESISTANT WHITE CAST IRONS
00: -
A casting of a high chromium white iron that, in an end-use form of the casting after heat treatment,

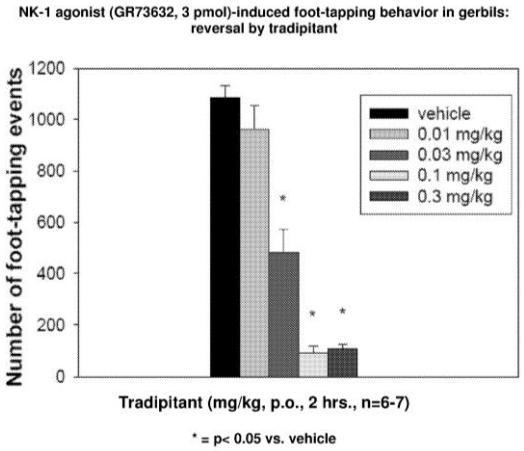
includes a ferrous matrix and primary carbides including at least two different chromium carbides dispersed in the matrix. The primary carbides have a core including an as-cast chromium carbide and a shell surrounding the core including a transformation product of the as-cast chromium carbide, wherein the as cast chromium carbide is a M7C3 chromium carbide and the transformation product is a M23C6 chromium carbide, where “M” comprises Cr, Fe, and Mn. the composition of the casting comprises the following composition: Cr: 30-40 wt.%; C: 1.5–3 wt.%; Cr/C ratios (wt.%): 9:1 – 15:1; Up to 3 wt.% each of any one or more than one of Mn, Si, Ni, Mo, and Cu; Incidental impurities; and Balance: Fe.



21: 2020/04539. 22: 2020/07/22. 43: 2024/10/28
51: G06K; G06Q
71: Deere & Company
72: GUO, Cheng-En, YANG, Jie, GRANT, Elliot
33: US 31: 62/620,939 32: 2018-01-23
54: CROP TYPE CLASSIFICATION IN IMAGES
00: -
In embodiments, obtaining a plurality of image sets associated with a geographical region and a time period, wherein each image set of the plurality of image sets comprises multi-spectral and time series images that depict a respective particular portion of the geographical region during the time period, and predicting one or more crop types growing in each of particular locations within the particular portion of the geographical region associated with an image set of the plurality of image sets. Determining a crop type classification for each of the particular locations based on the predicted one or more crop types for the respective particular locations, and generating a crop indicative image comprising at least one image of the multi-spectral and time series images of the image set overlaid with indications of the crop type classification determined for the respective particular locations.

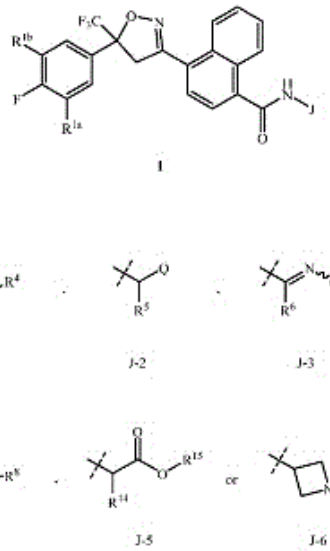


21: 2020/04594. 22: 2020/07/24. 43: 2024/11/05
51: A61K; A61P
71: VANDA PHARMACEUTICALS INC.
72: POLYMEROPOULOS, Mihael, H.
33: US 31: 62/737,992 32: 2018-09-28
33: US 31: 62/874,927 32: 2019-07-16
54: USE OF TRADIPITANT IN MOTION SICKNESS
00: -
Disclosed herein is a method of treating or preventing motion sickness or at least one symptom thereof, comprising treatment with the NK-l receptor antagonist, tradipitant.

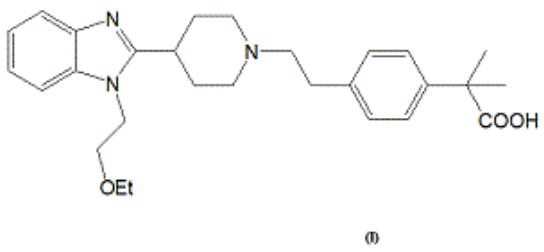


21: 2020/04824. 22: 2020/08/04. 43: 2024/10/24
51: G01N; G16H
71: Johnson & Johnson Consumer Inc.
72: BENSACI, Jalil, ODDOS, Thierry, STAMATAS, Georgios N.
33: US 31: 62/613,878 32: 2018-01-05
54: SKIN BARRIER PREPARATION AND METHOD THEREFOR
00: -
A method of selecting a skin barrier system suitable for infants and young children is disclosed.

21: 2020/04898. 22: 2020/08/07. 43: 2024/10/09
51: C07D; A01N
71: FMC CORPORATION
72: XU, MING, LAHM, GEORGE PHILIP, LONG, JEFFREY, KEITH
33: US 31: 62/631,665 32: 2018-02-17
33: US 31: 62/657,647 32: 2018-04-13
33: US 31: 62/629,154 32: 2018-02-12
54: NAPHTHALENE ISOXAZOLINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS
00: -
Disclosed are compounds of Formula 1, wherein J is and R^{1a}, R^{1b}, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^{14}, R^{15}, R^{16}, Q and X 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 invention.

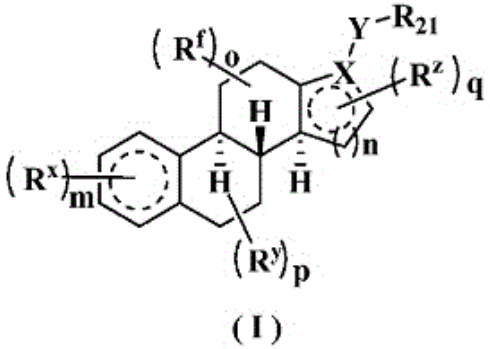


21: 2020/05077. 22: 2020/08/17. 43: 2024/10/09
51: A61K; A61P
71: FAES FARMA, S.A.
72: HERNÁNDEZ HERRERO, GONZALO, GONZALO GOROSTIZA, ANA, MORÁN POLADURA, PABLO, ZAZPE ARCE, ARTURO, FERNÁNDEZ HERNANDO, NIEVES, GONZÁLEZ GARCÍA, TANIA, TATO CERDEIRAS, PALOMA, OTERO ESPINAR, FRANCISCO JAVIER, FERNÁNDEZ FERREIRO, ANXO, DÍAZ TOMÉ, VICTORIA
33: EP 31: 18382021.6 32: 2018-01-18
54: OPHTHALMIC COMPOSITIONS COMPRISING BILASTINE, A BETA-CYCLODEXTRIN AND AT LEAST ONE GELLING AGENT
00: -
The invention relates to an aqueous ophthalmic pharmaceutical composition comprising: a) at least 0.4% w/v of bilastine, of formula (I) or a pharmaceutically acceptable salt or solvate thereof, wherein the bilastine salt or solvate thereof is completely dissolved in the pharmaceutical composition; b) at least one β-cyclodextrin; and c) at least one pharmaceutically acceptable water-soluble gelling agent; and wherein the pH is comprised between 4 and 9. and its use in the treatment and/or prevention of conditions mediated by H1 histamine receptor, such as allergic disorders or diseases. The invention relates to the treatment and/or prevention of allergic conjunctivitis.



(I)

21: 2020/05151. 22: 2020/08/19. 43: 2024/10/09
51: C07J; A61K; A61P
71: JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., SHANGHAI HANSOH BIOMEDICAL CO., LTD.
72: SU, YIDONG, DENG, HAINING, CHEN, XIAOPO, BAO, RUDI, ZHANG, FUJUN
33: CN 31: 201810141153.6 32: 2018-02-11
33: CN 31: 201810491114.9 32: 2018-05-21
33: CN 31: 201811408081.3 32: 2018-11-23
33: CN 31: 201810771964.4 32: 2018-07-13
33: CN 31: 201810180543.4 32: 2018-03-05
54: STEROID DERIVATIVE REGULATORS, METHOD FOR PREPARING THE SAME, AND USES THEREOF
00: -
The present invention relates to steroid derivative regulators, a method for preparing the same, and uses thereof. Specifically, the present invention relates to a compound of formula (I), a preparation method therefor, a pharmaceutical composition containing the compound, and uses thereof as a regulator the of GABA A receptor for treating depression, convulsion, Parkinson's disease, and nervous system diseases, wherein the substituents of the formula (I) are as defined in the description.

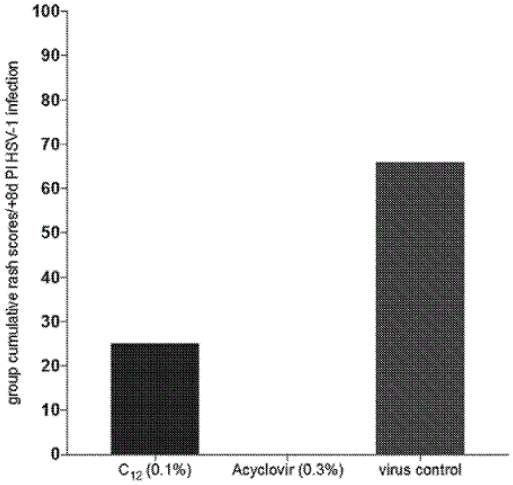


(I)

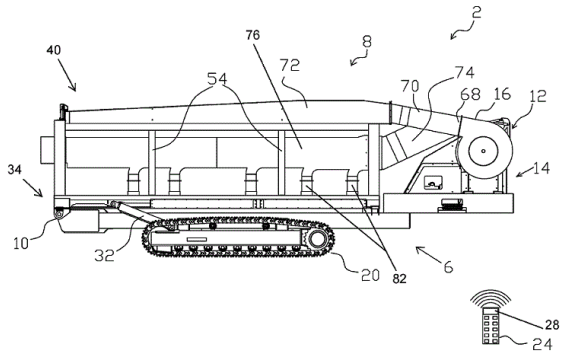
21: 2020/05260. 22: 2020/08/24. 43: 2024/10/09
51: C07K; A61K; A61P
71: ADAGENE INC.
72: LUO, PETER PEIZHI, DU, FANGYONG
33: CN 31: PCT/CN2018/075065 32: 2018-02-02
54: ACTIVATABLE ANTIBODIES AND METHODS OF MAKING AND USING THEREOF
00: -
Provided herein are libraries containing synthetic polynucleotides that encode activatable binding polypeptides. Further provided herein are activatable binding polypeptides and polypeptide libraries containing such activatable binding polypeptides. Also provided herein are vectors, vector libraries, cells, kits, and methods of making and using activatable polypeptide libraries.

21: 2020/05261. 22: 2020/08/24. 43: 2024/10/09
51: A61K; C07K
71: ONE HEALTH VENTURES LTD
72: TITBALL, RICHARD WILLIAM, BOKORI-BROWN, MONIKA, MORCRETTE, HELEN, LEWIS, NICHOLAS PETER
33: GB 31: 1803401.7 32: 2018-03-02
33: GB 31: 1900361.5 32: 2019-01-10
54: EPSILON TOXIN FROM CLOSTRIDIUM PERFRINGENS AS A VACCINE
00: -
This invention relates to methods and compositions for detecting, diagnosing, preventing, treating or ameliorating the symptoms of a demyelinating condition selected from: : enterotoxemia (ET), multiple sclerosis(MS), clinically definite MS (CDMS), clinically isolated syndrome (CIS),neuromyelitis optica spectrum disorder(NMOSD),optic neuritis(ON), neuromyelitis optica (NMO), myelitis,myelitis, transverse myelitis (TM), a disease or condition characterised by the increase or presence of antibodies against aquaporin-4(AQP-4) and/or astrocyte damage,and acute disseminated encephalomyelitis (ADEM) in a human or animal subject in need. The methods comprise administering to the subject a composition comprising an effective amount of an agent that directly or indirectly interfereswith epsilontoxin (ETX) produced by Clostridium perfringens type B or type D bacterial strain, an ETX-binding receptor, or an interaction of ETX with its binding receptor so as to inhibit or suppress ETX modulated receptor signalling activities. The invention also provides novel polypeptides useful as a vaccine against diseases caused by or associated with the epsilon toxin of Clostridium perfringens.

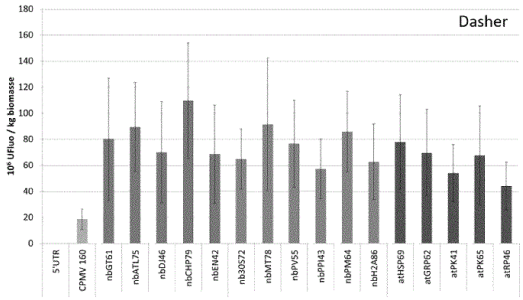
21: 2020/05797. 22: 2020/09/18. 43: 2024/10/22
51: A61K C07K
71: THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND
72: ROY, Chad
33: US 31: 62/634,633 32: 2018-02-23
33: US 31: 62/784,185 32: 2018-12-21
54: PHARMACEUTICAL COMPOSITION FOR VIRAL INFECTIONS
00: -
Disclosed herein are topical compositions comprising a quaternary ammonium salt and optionally ammonium chloride and/or stabilized chlorine dioxide. Also disclosed herein are methods of reducing the severity and/or duration of a dermal and or mucosal infection such as herpes or shingles. Also disclosed herein are methods of preventing the spread of a viral infection such as HIV. Also disclosed herein are methods of treating a viral infection such as keratoconjunctivitis.



21: 2020/06007. 22: 2020/09/29. 43: 2024/10/22
51: F23G
71: TIGERCAT INDUSTRIES INC.
72: RAGNARSSON, Anders
33: US 31: 62/639,253 32: 2018-03-06
54: PORTABLE COMBUSTION SYSTEM WITH FIRST AND SECOND AIR SOURCES
00: -
A combustion/carbonizing system which comprises a base frame and a combustion chamber frame which is pivotably attached to the base frame. The combustion chamber frame defines an open top combustion chamber having a bottom perforated plate. A plenum is formed below the perforated plate for collecting biochar which passes therethrough. A first source of combustion air is supplied across the top of the combustion chamber while a second source of combustion air passes through the perforated plate into the combustion chamber. The combustion/carbonizing system is capable of operating in a continuous manner for combustion wood or waste material to the desired degree required by the end user for the purpose of reducing the volume of the material as well as the associated emissions while generating valuable char and boichar as an end product. For some applications, the combustion/carbonizing system may be operated to combust completely the wood or waste material.

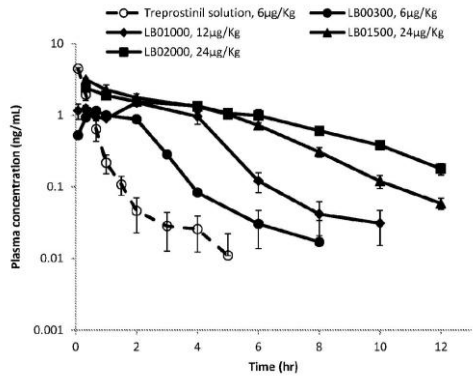


21: 2020/06210. 22: 2020/10/07. 43: 2024/10/08
51: C12N A01H C07K C12P
71: ARAMIS BIOTECHNOLOGIES INC.
72: LAVOIE, Pierre-Olivier, D'AOUST, Marc-André, KATO, Ko, YAMASAKI, Shotaro
33: US 31: 62/643,053 32: 2018-03-14
54: PLANT EXPRESSION ENHANCER
00: -
An isolated expression enhancer active in a plant, portion of a plant or plant cell, the expression enhancer is provided. The isolated expression enhancer may be selected from the group consisting of nbMT78 (SEQ ID NO: 1); nbATL75 (SEQ ID NO:2); nbDJ46 (SEQ ID NO:3); nbCHP79 (SEQ ID NO:4); nbEN42 (SEQ ID NO:5); atHSP69 (SEQ ID NO:6); atGRP62 (SEQ ID NO:7); atPK65 (SEQ ID NO:8); atRP46 (SEQ ID NO:9); nb30S72 (SEQ ID NO: 10); nbGT61 (SEQ ID NO: 11); nbPV55 (SEQ ID NO: 12); nbPPI43 (SEQ ID NO: 13); nbPM64 (SEQ ID NO: 14); and nbH2A86 (SEQ ID NO: 15). Methods for using the isolated expression enhancer are also provided.



21: 2020/06739. 22: 2020/10/28. 43: 2024/10/29
51: A01N; A41D; A61B; A61K; A61L; A61P; C07D; C11D
71: BMG (BRITISH MEDICAL GROUP) LIMITED
72: WIGHT, Paul
33: EP 31: 18166408.7 32: 2019-04-09
54: ANTIMICROBIAL AND ANTICANCER CATIONIC PHTHALOCYANINE COMPOUNDS
00: -
Substituted phthalocyanines for the generation of singlet oxygen in which one or more of the substituents bear acationically charged N-alkylated pyridine.

21: 2020/06942. 22: 2020/11/06. 43: 2024/10/09
51: A61K
71: Pharmosa Biopharm Inc.
72: KAN, Pei, LIN, Yi Fong, CHEN, Ko Chieh
33: US 31: 62/667,889 32: 2018-05-07
54: PHARMACEUTICAL COMPOSITION FOR CONTROLLED RELEASE OF TREPROSTINIL
00: -
Provided herein are pharmaceutical compositions containing (a) at least one liposome includes at least one vesicle-forming phospholipid; and (b) treprostinil encapsulated within the liposome. The ratio of treprostinil to phospholipid is equal to or higher than 0.035 and provides a controlled release of treprostinil. Also provided is the use of the pharmaceutical compositions to treat respiratory diseases.



21: 2021/02051. 22: 2021/03/26. 43: 2024/10/07
51: E02F
71: ESCO Group LLC
72: OLLINGER, Charles G. IV, HANKLAND, Joel, STANGELAND, Kevin S.
33: US 31: 61/654,501 32: 2012-06-01
54: LIP FOR EXCAVATING BUCKET
00: -
A lip for an excavating bucket with a front beam and a rear beam extending along the length of the lip and defining at least one recess between them. The front beam includes noses extending forward of the beam for mounting ground engaging tools. Ribs extend between the front beam and the rear beam. The ribs separate recesses extending between the beams.

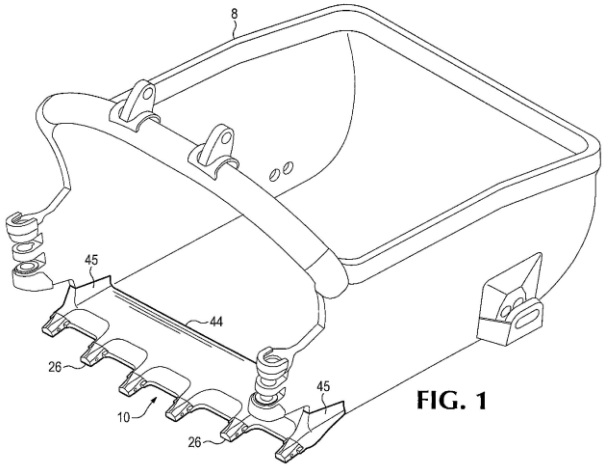


FIG. 1

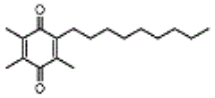
21: 2021/02619. 22: 2021/04/20. 43: 2024/10/07
51: A61K; A61P
71: PTC THERAPEUTICS, INC.
72: HINMAN, ANDREW W, HOLST, CHARLES R, MINELLA, ANGELA, MOLLARD, PAUL, PINTCHOVSKI, SEAN, TRIMMER, JEFFREY K, TORREY, ERIC

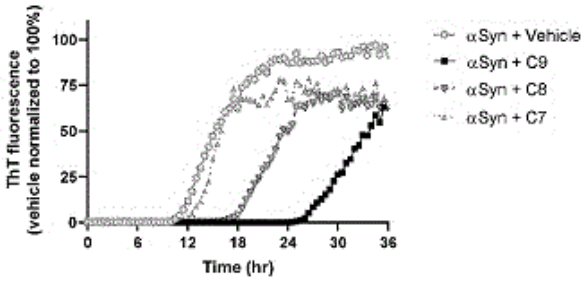
33: US 31: 62/747,080 32: 2018-10-17
33: US 31: 62/771,570 32: 2018-11-26

54: 2,3,5-TRIMETHYL-6-NONYLCYCLOHEXA-2,5-DIENE-1,4-DIONE FOR SUPPRESSING AND TREATING ALPHA-SYNUCLEINOPATHIES, TAUOPATHIES, AND OTHER DISORDERS

00: -

Disclosed herein are methods of treating or suppressing a disorder selected from the group consisting of α-synucleinopathies, tauopathies, ALS, traumatic brain injury, and ischemic-reperfusion related injuries.ury, comprising administering to a subject in need thereof a therapeutically effective amount of a compound of the formula: or the hydroquinone form thereof; or a solvate or hydrate thereof.



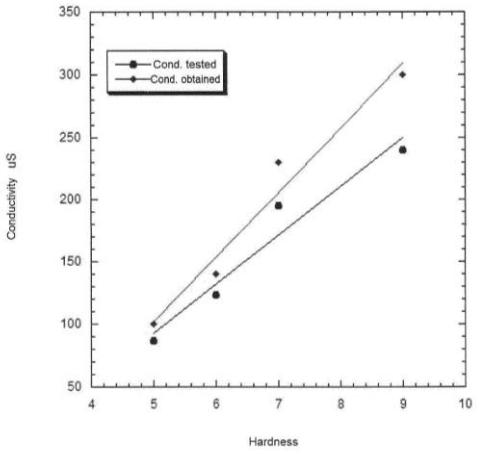


21: 2021/02709. 22: 2021/04/22. 43: 2024/09/30
51: A47J
71: La Marzocco S.r.l.
72: BIANCHI, Roberto, GATTI, Riccardo, WURM, Enrico, FRANCINI, Filippo, INNOCENTI, Massimo
33: IT 31: 102018000009919 32: 2018-10-30

54: ACTIVE SYSTEM FOR MONITORING AND FILTERING THE WATER FOR AN ESPRESSO COFFEE MACHINE AND ASSOCIATED ESPRESSO COFFEE MACHINE

00: -

An espresso coffee machine is described, said machine comprising: a water supply; a boiler for heating the water; a pump; a dispensing group configured to cooperate with a portafilter equipped with a filter basket with a puck of coffee powder, the machine being configured to supply pressurized water to said coffee powder puck for dispensing an espresso coffee, and a water monitoring system for monitoring at least one parameter of the water used for preparation of the espresso coffee. Preferably, the monitoring system comprises a conductivity and temperature probe which provides values, continuously and in real time, of water hardness derived from information on the electrical conductivity and temperature of the water.

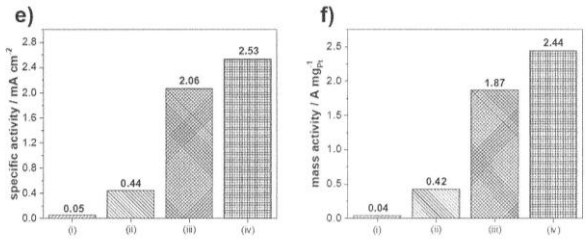


21: 2021/02755. 22: 2021/04/23. 43: 2024/09/23
51: H01M
71: Kemijski Inštitut / National Institute of Chemistry
72: GATALO, Matija, HODNIK, Nejc, BELE, Marjan, JOVANOVIC, Primoz, GABERSCEK, Miran, GROM, Matic
33: EP(SI) 31: 18196870.2 32: 2018-09-26

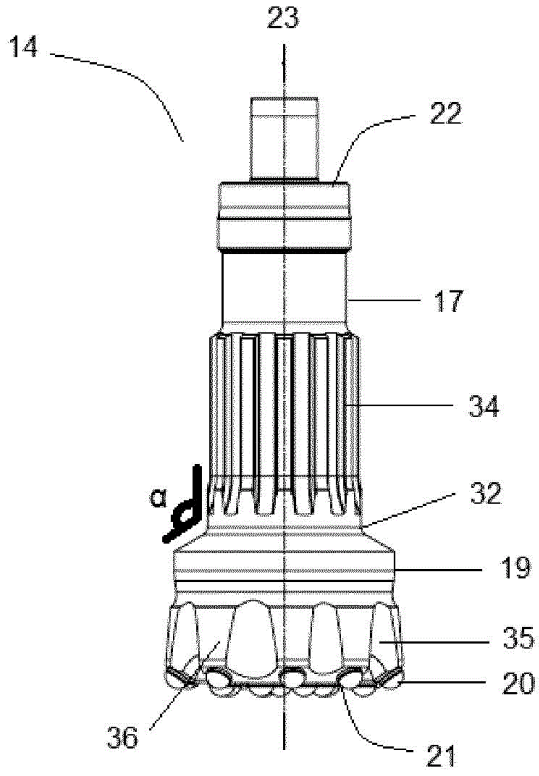
54: METHOD OF TREATING A PLATINUM-ALLOY CATALYST, A TREATED PLATINUM-ALLOY CATALYST, AND DEVICE FOR CARRYING OUT THE METHOD OF TREATING A PLATINUM-ALLOY CATALYST

00: -

The present invention refers to a method of treating a platinum-alloy catalyst, comprising the steps of: A) providing a platinum-alloy catalyst, which comprises platinum (Pt) and at least one metal (M), which is less noble than platinum; B) exposing the catalyst to an acidic or basic medium, and exposing the catalyst to an adsorptive gas, wherein during step B) the catalyst is not subjected to an external electrical current or voltage. Further, the invention refers to a treated platinum-alloy catalyst. Moreover, and a device for carrying out the method of treating the platinum-alloy catalyst is provided.



21: 2021/02759. 22: 2021/04/23. 43: 2024/09/23
51: E21B
71: Sandvik Mining and Construction Oy, Sandvik Mining and Construction Tools AB
72: BRUANDET, Olivier, HARELAND, Mathias, GEWERS, Gustav
33: EP(FI) 31: 18212828.0 32: 2018-12-17
54: ROCK DRILL BIT FOR PERCUSSIVE DRILLING
00: -
The present disclosure relates to a rock drill bit 14 for percussive drilling hammer 11 positioned at the cutting end of the hammer. A head 19, an elongated shank 17 connected to the head 19 at a front end of the bit 14, a head-shank transition area 32 where the head 19 connects to the shank 17, an anvil 22 at the rear end of the shank 17 for receiving the impact of the piston 13, a plurality of buttons 20 provided at the front face 21 of the head 19 configured to engage the material to be crushed in the intended direction of drilling, a plurality of flushing passages extending through the head and having at least one opening 31 at the front face 21 of the head 19, and the angle formed between the head 19 and the shank 17 at the head-shank transition area 32 is greater than 100 degrees.



21: 2021/03045. 22: 2021/05/05. 43: 2024/10/07
51: A61M
71: ICU Medical, Inc.
72: ZIEBOL, Robert J.
33: US 31: 62/770,552 32: 2018-11-21
54: ANTIMICROBIAL DEVICE COMPRISING A CAP WITH RING AND INSERT
00: -
Systems, methods, and devices for providing an antimicrobial composition to the proximal elements of a transdermal catheter and into the lumen of the transdermal catheter are disclosed. In an embodiment, the device includes a cap configured to be removably secured to the hub, the cap comprising a ring member comprising first threads for engaging second threads on the hub of the transdermal catheter, the ring member having an opening through its interior; and an insert member secured within the opening of the ring member; wherein the insert member comprises an antimicrobial composition and the ring and insert member do not readily rotate with regard to one another.

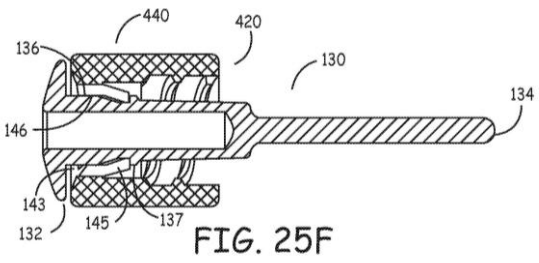


FIG. 25F

21: 2021/03100. 22: 2021/05/07. 43: 2024/10/07
51: B05B
71: Spraying Systems Co.
72: PRICE, Trevor, WINTER, TJ, ARENSON, Marc, GOULD, Rich
33: US 31: 62/753,768 32: 2018-10-31
54: BOOM MOUNTED SPRAY NOZZLE ASSEMBLY WITH MULTI CHECK VALVE COMPACT DESIGN
00: -
A liquid spraying system having an elongated liquid supply boom and a plurality of spray nozzle assemblies. The spray nozzle assemblies have a compact design with a nozzle body having a liquid inlet and a first spray nozzle carrying liquid outlet section on opposite upper and lower sides, second and third spray nozzle carrying liquid outlet sections disposed in transverse relation to the supply boom; and first and second check valve supporting sections disposed parallel to the liquid supply boom. A first of check valves is operable for controlling liquid flow from the supply boom to one or both of the second and third spray nozzles, and a second check valve is operable for controlling liquid flow from said liquid inlet to said first spray nozzle. The illustrated check valves are operable in response to the pressure of the supply liquid.

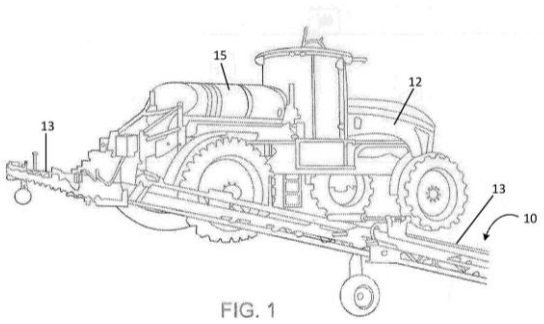
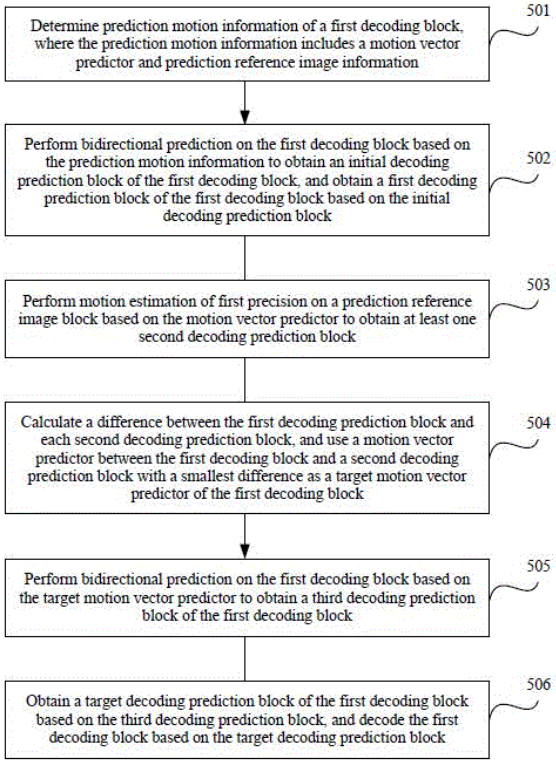


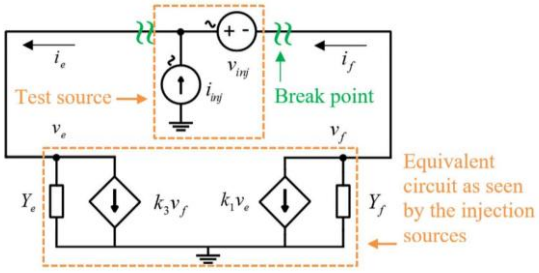
FIG. 1

21: 2021/03126. 22: 2021/05/10. 43: 2024/10/07
51: H04N
71: Huawei Technologies Co., Ltd.
72: CHEN, Xu, AN, Jicheng, ZHENG, Jianhua
54: METHOD AND APPARATUS FOR IMAGE CODING AND DECODING THROUGH INTER PREDICTION
00: -
A method and an apparatus for image coding and decoding through inter prediction are provided. The decoding method includes: determining prediction motion information of a first decoding block; performing bidirectional prediction on the first decoding block based on the prediction motion information to obtain a first decoding prediction block; performing motion search of first precision on a prediction reference image block to obtain at least one second decoding prediction block, where a search location of the motion search is determined by using a motion vector predictor and the first precision; calculating a difference between the first decoding prediction block and each second decoding prediction block to obtain a target motion vector predictor of the first decoding block; and updating the target motion vector predictor through motion search. Therefore, motion precision of inter prediction is improved.

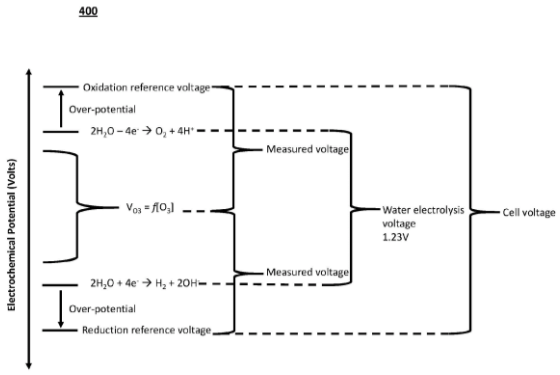


21: 2021/03214. 22: 2021/05/12. 43: 2024/09/23
51: H03F

71: UNIVERSITY OF PRETORIA
72: OSUCH, Piotr Jan, STANDER, Tinus
54: A SECOND GENERATION CURRENT CONVEYOR (CCII) HAVING A TUNABLE FEEDBACK NETWORK
00: -
A Second-Generation Current Conveyor (CCII) has a three-port network with ports designated as X, Y, and Z, wherein the CCII includes a tunable feedback network. The tunable feedback network may be provided between at least two of the ports, e.g., ports Z and Y. The tunable feedback network may comprise a tunable RC (Resister- Capacitor) network which may be provided by solid-state components such as a MOS (Metal-Oxide Semiconductor) device or a MOS resistor (for the resistive element) and a varactor (for the capacitive element).



21: 2021/03470. 22: 2021/05/21. 43: 2024/10/07
51: G01N
71: Source Global, PBC
72: JOHNSON, Paul Bryan, FRIESEN, Cody Alden, GOLDBERG, Jonathan Edward, MARTINEZ, Jose Antonio Bautista, CASTRO DE LA TORRE, Maya Muyurina
33: US 31: 16/167,295 32: 2018-10-22
54: SYSTEMS AND METHODS FOR DETECTING AND MEASURING OXIDIZING COMPOUNDS IN TEST FLUIDS
00: -
Improved devices, systems and methods for detecting and measuring oxidizing compounds in test fluids. Certain embodiments include a measurement device configured to apply a constant current to the test fluid and measure a reference voltage indicating an electrochemical potential at which electrolysis occurs in the test fluid. The measurement device is further configured to measure a second voltage indicating an oxidizing potential of the test fluid, and to calculate an oxidizer concentration measurement indicating the concentration of the oxidizing compound in the test fluid based on a voltage difference between the reference voltage and the second voltage.



21: 2021/03522. 22: 2021/05/24. 43: 2024/09/26
51: A01N; A01P
71: UPL Corporation Limited
72: LENZ, Giuvan, BONNET, Marc, GONELLA, Luis Gustavo Rodrigues, VIEIRA DE CAMPOS, Luiz Carlos, RIBAS PERES, Carlos Eduardo
33: BR 31: BR 10 2018 075132 8 32: 2018-12-04
54: SYNERGISTIC HERBICIDE COMPOSITION OF BROAD-SPECTRUM FOR THE CONTROL OF WEEDS IN AGRICULTURAL CULTURES, USE OF SUCH COMPOSITION FOR PREPARATION OF PRODUCT, PRODUCT AND METHOD OF APPLICATION
00: -
The present invention refers to an inventive solution that offers a significant benefit to the agricultural sector, with a broad spectrum of application, as an aid in the cultivation of all sorts of plants of agricultural interest, with a greater objective of promoting the enhancement of herbicide efficiency regarding weeds, for which purpose a composition was devised comprising a first herbicide belonging to the group whose mechanism of action acts as a photosystem II inhibitor and a second herbicide belonging to the group whose mechanism of action acts as an inhibitor of the enzyme protoporphyrinogen oxidase which together enhance their respective mechanisms of action and consequently increase their efficiency in the eradication of weeds. Furthermore, the present invention refers to the use of this composition for the preparation of a herbicide product and the method of application of said composition for combating weeds.

21: 2021/03529. 22: 2021/05/24. 43: 2024/10/07
51: A01C; E01C
71: SALFORD GROUP INC.
72: GRAY, Geof J., FIELDS, Joshua Scott, OWENBY, Steven Ray, HAGLER, Richard, MCEVER, Russell, HOBSON, Brian
33: US 31: 62/770,792 32: 2018-11-22
54: FLOW DIVIDER FOR SPINNER SPREADER
00: -
A longitudinally adjustable flow divider situated in the particulate material path of a spinner spreader between the bin and the rotatable disc divides the particulate material so that the particulate material is dischargeable on to the upper surface of the rotatable disc on first and second laterally spaced apart longitudinally oriented drop lines. An actuator operably connected to the flow divider adjusts a longitudinal position of the flow divider to longitudinally adjust drop points on the drop lines at which the particulate material is dischargeable on to the rotatable disc. Longitudinal adjustment of the drop points along laterally spaced apart drop lines on one spinner disc permits control over spread pattern to help achieve uniform distribution of the particulate material on a ground surface.

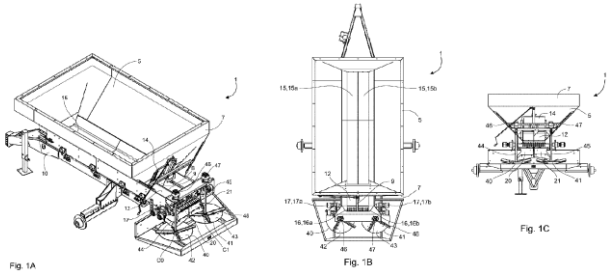


Fig. 1A Fig. 1B Fig. 1C

21: 2021/03543. 22: 2021/05/25. 43: 2024/09/26
51: A61K; A61Q
71: Colgate-Palmolive Company
72: YUAN, Shaotang, XU, Guofeng, MAO, Junhong
33: US 31: 62/785,079 32: 2018-12-26
54: ORAL CARE COMPOSITIONS COMPRISING A POLYVINYL CAPRALACTAM-POLYVINYL ACETATE-POLYETHYLENE GLYCOL GRAFT COPOLYMER, AND METHODS FOR THE SAME
00: -
An oral care composition and methods for preparing the oral care composition are disclosed. The oral care composition may include a carrier and a structure-building agent. The carrier may be present in an amount of from about 0.01 wt% to about 99 wt%. The structure- building agent includes a polyvinyl capralactam-polyvinyl acetate-polyethylene glycol graft copolymers (PCA-PVA-PEG), and may be present in an amount of from about 0.01 wt% to about 60 wt%, based on a total weight of the oral care composition.

21: 2021/03560. 22: 2021/05/25. 43: 2024/10/07
51: A61K
71: BIOLOGICAL E LIMITED
72: BURKI, Rajendar, SRIRAMAN, Rajan, MATUR, Ramesh Venkat, MANTENA, Narender Dev, DATLA, Mahima, MASILAMANI, Balamurali, KANDIMALLA, Vivek Babu, SANGAREDDY, Veerapandu
33: IN 31: 201841038835 32: 2018-10-12
54: MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE
00: -
The present invention relates to multivalent pneumococcal polysaccharide-protein conjugates vaccine composition comprising pneumococcal capsular polysaccharide of one or more *Streptococcus pneumoniae* serotypes conjugated to one or more carrier proteins.

21: 2021/03689. 22: 2021/05/28. 43: 2024/09/30
51: B65D
71: Société des Produits Nestlé S.A.
72: TALON, Christian
33: EP(CH) 31: 18205141.7 32: 2018-11-08
54: A SEMI-RIGID SACHET FOR BEVERAGE PREPARATION
00: -
A pack (1) with an inner volume in which a food or beverage ingredient is stored and in which a beverage is produced when water is introduced inside. The pack (1) comprises at least one inlet configured to supply water in the inner volume of the pack (1) and one outlet (11) for dispensing a beverage from the inner volume of the pack (1). The pack (1) comprises a semi-rigid or rigid shell (2), the shell (2) comprises a main plane wall (20) surrounded by a peripheral edge (21), and a cover part (3) sealed on the peripheral edge (21), the shell (2) and the cover part (3) defining therebetween said inner volume.

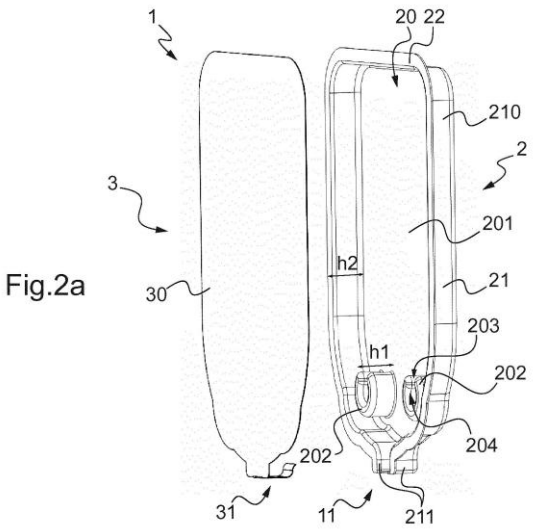


Fig.2a

21: 2021/03734. 22: 2021/05/31. 43: 2024/09/23
51: G05F; G06Q; H02J
71: 8me NOVA, LLC
72: AKYOL, Bora, RAMESH, Gautham, HANSEN, Lukas, GARNEAU-HALLIDAY, Philippe, CARPENTER, Brandon, MONDAL, Rahul
33: US 31: 63/020,009 32: 2020-05-04
54: METHOD FOR CONTROLLING INTEGRATED RENEWABLE ELECTRIC GENERATION RESOURCE AND CHARGE STORAGE SYSTEM PROVIDING DESIRED CAPACITY FACTOR
00: -
Methods for controlling an integrated renewable energy source (RES) and energy storage system (ESS) of a RES-ESS facility having a point of grid interconnect (POGI) limit are provided. A forecast for energy production of the RES as well as a state of charge (SOC) schedule are used to calculate a SOC target-based POGI cap that is less than the POGI limit, with the SOC target-based POGI cap representing as low a peak power output value as possible while still ensuring satisfaction of the SOC schedule. The forecasted RES production, SOC schedule, and SOC target-based POGI cap are used to generate a time-varying charge/discharge control signal for the ESS that ensures the SOC schedule is satisfied.

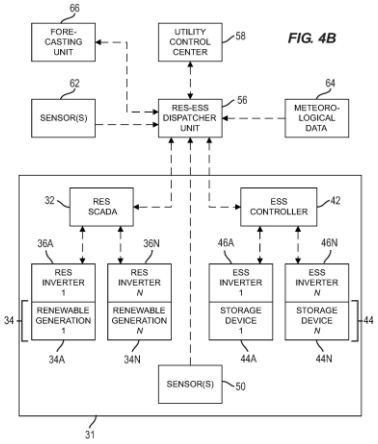
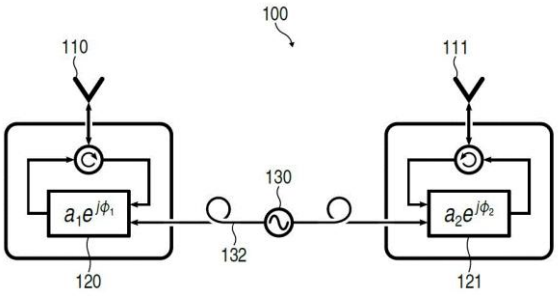
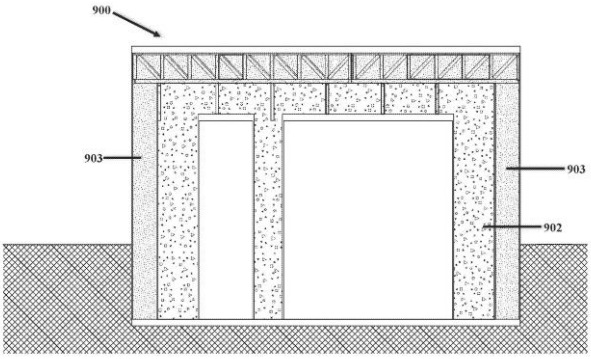


FIG. 4B

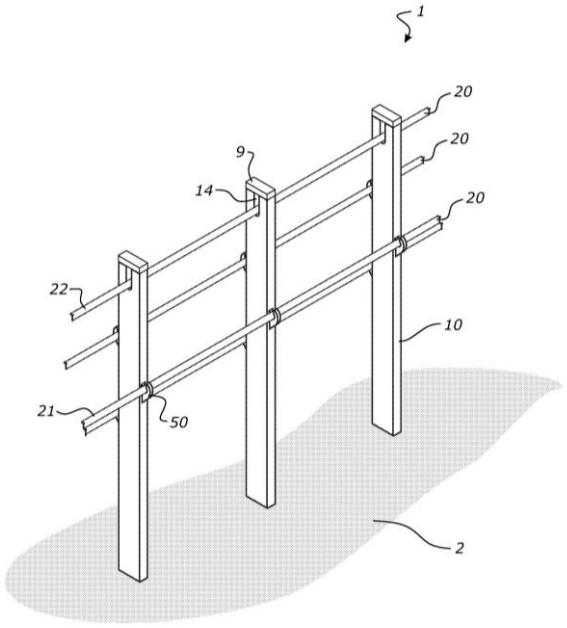
21: 2021/03989. 22: 2021/06/10. 43: 2024/09/23
51: G01S; H04K
71: UNIVERSITY OF PRETORIA
72: DU PLESSIS, Warren
33: ZA 31: 2020/03364 32: 2020-06-05
54: PHASE-CONJUGATING RETRODIRECTIVE CROSS-EYE RADAR JAMMING
00: -
An antenna array is configured for signal jamming and comprises at least two antennas each configured to receive an incoming signal and transmit a retrodirective retransmitted signal based on the incoming signal and at least two repeater components. Each one of the antennas has one of the repeater components coupled thereto. Each one of the repeater components is configured to utilize a reference signal which is common to all of the repeater components. Each one of the repeater components is configured to negate a phase of the retransmitted signal relative to the incoming signal of its coupled antenna as a function of at least the reference signal, at least one of the repeater components is further configured to introduce at least a phase adjustment to the retransmitted signal. In this way, an angular error may be induced in a threat radar.



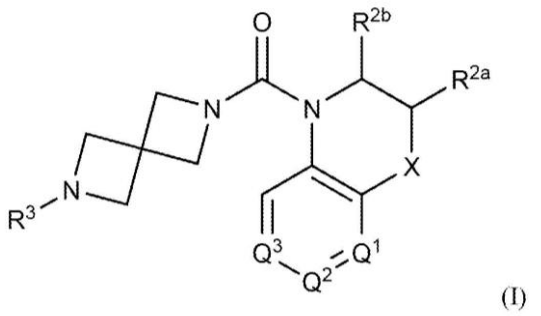
21: 2021/04047. 22: 2021/06/11. 43: 2024/09/30
51: G21C
71: Rad Technology Medical Systems, LLC
72: FORD, John, JOHNSTON, Ron, KEPPEL, Cynthia, AMBROZEWICZ, Pawel, LANDAU, Eric, OQUIST, Cheri, LEFKUS, John
33: US 31: 62/779,822 32: 2018-12-14
54: SHIELDING FACILITY AND METHOD OF MAKING THEREOF
00: -
The present disclosure, in an embodiment, is a facility that includes a device configured to generate a beam having an energy range of 5 MeV to 500 MeV, a first radiation shielding wall surrounding the device, a second radiation shielding wall surrounding the first radiation shielding wall, radiation shielding fill material positioned between the first radiation shielding wall and the second radiation shielding wall forming a first barrier. In embodiments, the radiation shielding fill material includes at least fifty percent by weight of an element having an atomic number from 12 to 83, and a thickness of the first barrier is 0.5 meter to 6 meters.



21: 2021/04201. 22: 2021/06/18. 43: 2024/09/23
51: E01F
71: Fletcher Building Holdings Limited
72: WIECZOREK, Wojciech
33: NZ 31: 749587 32: 2018-12-21
54: WIRE ROPE SAFETY BARRIER
00: -
A wire rope safety barrier comprising a plurality of line posts positioned along a roadway. A plurality of cables are attached to the line posts and extend between the line posts to define a safety barrier along the roadway. At least one of the plurality of cables is an external cable engaging an outer surface of the line posts. Each external cable is connected to the line posts by a cable holder inserted through the cable holder slot, and the cable holder has a body portion and a hook portion. Each cable holder has a locating notch at a bottom surface configured to engage with the lower edge of a corresponding cable holder slot.

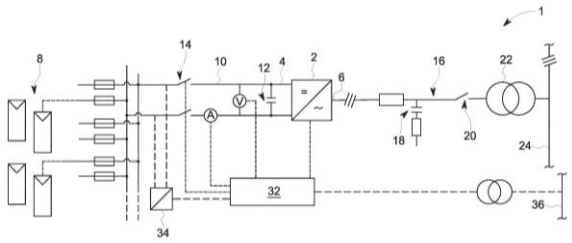


21: 2021/04313. 22: 2021/06/23. 43: 2024/09/23
51: A61K; A61P; C07D
71: BlackThorn Therapeutics, Inc.
72: CHAMBERS, Mark, HARDICK, David, TIERNEY, Jason, KNIGHT, Chris, LOCK, Chris, BRANDT, Gary, JONES, Robert M., URBANO, Mariangela
33: US 31: 62/554,452 32: 2017-09-05
54: VASOPRESSIN RECEPTOR ANTAGONISTS AND PRODUCTS AND METHODS RELATED THERETO
00: -
Compounds are provided that antagonize vasopressin receptors, particularly the V1a receptor products containing such compounds, as well as to methods of their use and synthesis. Such compounds have the structure of Formula (I), or a pharmaceutically acceptable isomer, racemate, hydrate, solvate, isotope, or salt thereof: (I) wherein Q^1, Q^2, Q^3, R^{2a}, R^{2b}, R^3 and X are as defined herein.

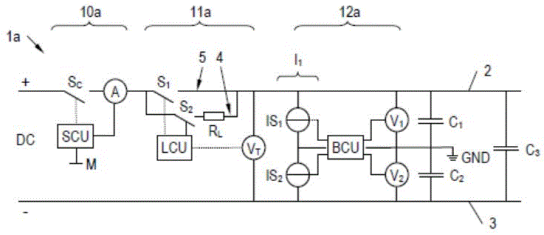


(I)

21: 2021/04329. 22: 2021/06/23. 43: 2024/09/23
51: H02J; H02M
71: GE Energy Power Conversion Technology Ltd
72: GLOES, Hendrik, GESKE, Martin, BRÜCKNER, Thomas
33: EP(GB) 31: 18211113.8 32: 2018-12-07
54: METHODS OF STARTING AN INVERTER SYSTEM, AND INVERTER SYSTEMS
00: -
An inverter system (1) is described. The inverter system (1) includes a DC power source such as a plurality of photovoltaic (PV) panels (8), an inverter (2) and a controller (32). The inverter (2) includes a plurality of semiconductor devices (e.g., controllable semiconductor switches such as IGBTs and anti-parallel connected diodes) arranged in a suitable inverter topology. The inverter (2) includes DC input terminals (4) connected to the PV panels (8) by means of a DC link (10) and at least one AC output terminal (6). When starting the inverter (2), the controller (32) is configured to enable a short circuit state of the inverter (2) by controlling the semiconductor switches to create a short circuit between the DC input terminals (4) such that the inverter (2) carries a current substantially equal to the short circuit current of the PV panels (8). This short circuit current may be used to pre-heat the semiconductor devices of the inverter (2) to reduce failure rates caused by cosmic radiation when the semiconductor devices subsequently experience high blocking voltages during normal operation of the inverter.



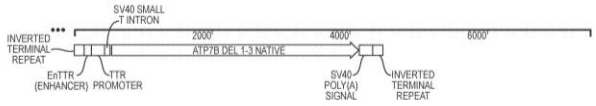
21: 2021/04350. 22: 2021/06/24. 43: 2024/09/23
51: H02H; H02J
71: Eaton Intelligent Power Limited
72: HAUER, Wolfgang
33: GB 31: 2009938.8 32: 2020-06-30
54: ARRANGEMENT, CIRCUIT BREAKER AND PRECHARGING DEVICE FOR A DC POWER NETWORK
00: -
An arrangement (1a..1l) with a circuit breaker (20) and a precharging device (21) is disclosed, where two series capacitors (C_1, C_2) are connected to a direct current power network (DC) and where the arrangement (1a..1l) comprises a circuit switch control unit (SCU), which is designed to open a circuit switch (S_C) in case of overcurrent and/or upon manual intervention, a load control unit (LCU), which is designed to limit a load current of the two series capacitors (C_1, C_2) by use of a high ohmic path (4), and a balance control unit (BCU), which is designed to measure a capacitor voltage (V_1, V_2) of each of the two series capacitors (C_1, C_2) and to avoid or limit and an imbalance of these capacitor voltages (V_1, V_2) by individually controlling currents through the two series capacitors (C_1, C_2).



21: 2021/04367. 22: 2021/06/24. 43: 2024/09/20
51: B65D
71: Société des Produits Nestlé S.A.
72: GRES, Nicolas, HEYDEL, Christophe Sébastien Paul, GIRARDIN, Pascal
33: EP(CH) 31: 18210108.9 32: 2018-12-04
54: A BEVERAGE POD
00: -
A pod (1) with an inner volume in which a beverage ingredient is stored and in which a beverage is produced when water is introduced inside, said pod (1) comprising a body (10) through which water is to be introduced and a closing lid (11) through which the beverage is to be dispensed, said closing lid being sealed on said body (10) and defining

therebetween said inner volume. The pod (1) is made of biodegradable materials, said body (10) having a three-dimensional shape and said closing lid (11) being flat, said closing lid (11) being made of a material having a value of puncture resistance comprised between 3N/15mm and 10N/15mm for an elongation between 1,5 mm and 3 mm. Furthermore, the body is made of either a multilayer material, said multilayer material comprising a paper layer and a plastic sealing layer, having a tensile value at break at least equal to 2%, and preferably comprised between 2% and 20%, or a monolayer material, said monolayer material being constituted of plastic having a tensile value at break ranging between 2% and 1000%.

21: 2021/04515. 22: 2021/06/29. 43: 2024/09/23
51: A61K; C12N
71: Ultragenyx Pharmaceutical Inc.
72: LIVINGSTON, Christine, WADSWORTH, Samuel
33: US 31: 62/788,324 32: 2019-01-04
54: GENE THERAPY CONSTRUCTS FOR TREATING WILSON DISEASE
00: -
This application relates to adeno-associated viral vectors encoding a truncated yet functional ATP7B for use in gene therapy for treating Wilson disease (WD). The truncated ATP7B described herein has several advantages over the wild-type ATP7B such as higher efficacy and improved manufacturing yield.



21: 2021/04563. 22: 2021/06/30. 43: 2024/09/20
51: A61K
71: Zoetis Services LLC
72: MILLS, Brian John, McTIER, Tom L., KNAUER, Christopher S., WOODS, Debra Jean
33: US 31: 62/790,510 32: 2019-01-10
54: ANTHELMINTIC LABORATORY ANIMAL MODEL FOR HEARTWORM
00: -
The current invention describes a laboratory animal model for dirofilarial nematodes wherein said laboratory animal is fed a dietary admixture of laboratory feed containing an immunosuppressing agent, for example, a glucocorticoid. The invention also describes the use of the laboratory animal model for screening endoparasiticides for the treatment and/or prevention of filarial nematode infections in animals.

21: 2021/04565. 22: 2021/06/30. 43: 2024/10/07
51: E21B
71: Sandvik Mining and Construction Tools AB
72: ROLDAN SALDES, Raul
33: EP(SE) 31: 19157436.7 32: 2019-02-15
54: INSERT FOR A JOURNAL LEG AND / OR A CONE CUTTER OF A ROTARY DRILL TOOL
00: -
An insert (10, 20) adapted to be mounted in a neck (2) of a journal leg (5) or a cone cutter (103) of a rotary drill tool for cutting rock, the insert being adapted to reinforce the neck (2) of the journal leg (5). The insert (10, 20) has a mushroom shape comprising a hat (16, 26) and a foot (13, 23), the hat (16, 26) having a diameter D1 and the foot (13, 23) having a diameter D2 being smaller than the diameter D1 of the hat (16, 26). Also a journal leg (5) of a rotary drill tool for cutting rock and a cone cutter (103) of a rotary drill tool.

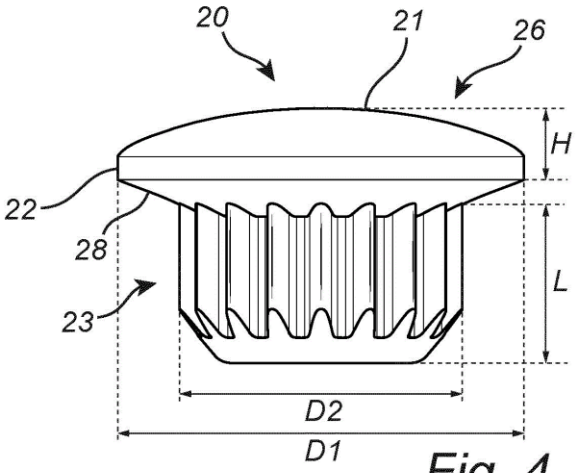
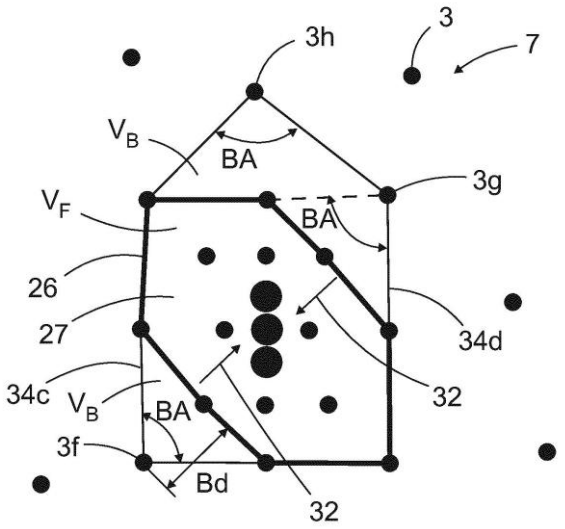


Fig. 4

21: 2021/04569. 22: 2021/06/30. 43: 2024/09/23
51: E21B; E21D; F42D; G06F
71: Sandvik Mining and Construction Oy
72: MUONA, Jouko, MYLLYLÄ, Juha-Matti
33: EP(FI) 31: 19155032.6 32: 2019-02-01
54: APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR DESIGNING BLASTING ORDER
00: -

An apparatus and method for designing a blasting sequence for a drilling pattern of a round. The apparatus (11) is configured to assist selecting one or more drill holes (3) for each time delay of the blast. The apparatus calculates burst volume (V_B) for the selected drill hole set (34) and ensures that previously blasted free volume (V_F) can receive it when being fired. The apparatus may also take into account burst angles burst distances and ground vibrations when suggesting the drill hole sets.

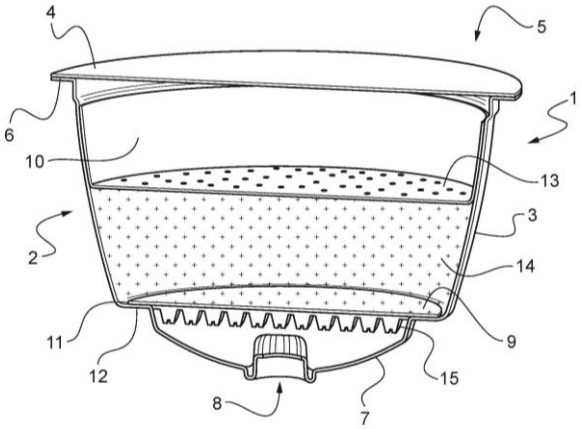


21: 2021/04619. 22: 2021/07/02. 43: 2024/09/30
51: B65D
71: Société des Produits Nestlé S.A.
72: BOSS, Christophe, NORDQVIST, David
33: EP(CH) 31: 18211863.8 32: 2018-12-12

54: CAPSULE FOR FOOD OR BEVERAGE PREPARATION HAVING A DISPLACEABLE MEMBRANE FOR ENGAGEMENT WITH OPENING MEANS

00: -

The invention relates to a capsule (1) for food or beverage preparation comprising a hollow body (2) and an injection wall (4) to be punctured for fluid injection into the capsule, a chamber (10) formed inside the body containing an ingredient, a membrane (9) disposed at a bottom end of the chamber, and opening means (15) disposed outside the chamber (10) in the vicinity of the membrane (9). The opening means (15) are configured to open the membrane (9) when said membrane (9) is pressed against said opening means (15) under an opening pressure. The membrane is attached to the body (2) of the capsule by an adhesive seal (11) which provides sealing between the body (2) and the membrane (9). When a release pressure is established inside the chamber (10), the adhesive seal bead (11) allows the membrane (9) to be displaced relatively to the body (2) and to engage against the opening means (15) while it maintains an attachment between the membrane and the capsule body (2).

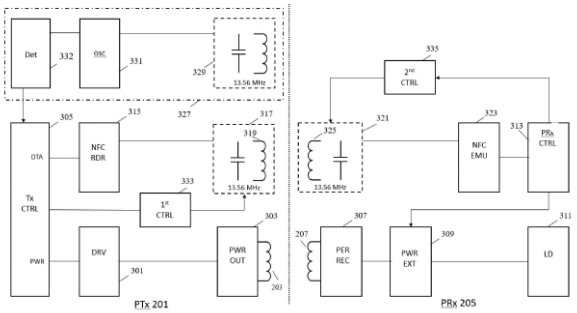


21: 2021/04621. 22: 2021/07/02. 43: 2024/09/30
51: H02J
71: Koninklijke Philips N.V.
72: ETTES, Wilhelmus Gerardus Maria, VELTMAN, Eddy Gerrit, VAN VUGT, Henricus Antonius Gerardus
33: EP(NL) 31: 18210392.9 32: 2018-12-05

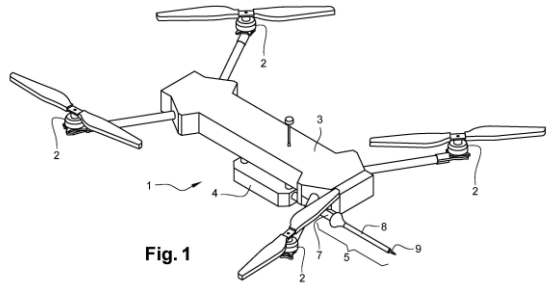
54: DEVICE AND METHOD FOR WIRELESS POWER TRANSFER

00: -

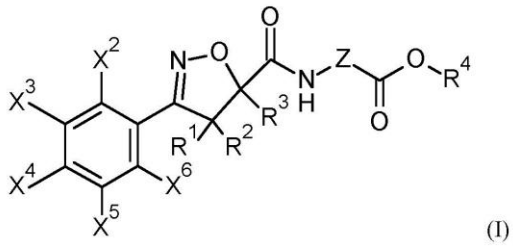
A power transfer device is a power transmitter (201) or a power receiver (205) conducting power transfer using an electromagnetic power transfer signal employing a repeating time frame comprising a power transfer time interval and an object detection time interval. A power transfer circuit (303, 307) comprises a power transfer coil (203, 207) receiving or generating the power transfer signal during the power transfer time intervals. A communicator (315, 323) communicates with the other device via an electromagnetic communication signal. A communication resonance circuit (317, 321) comprises a communication antenna (319, 325) for transmitting or receiving the electromagnetic communication signal. During the communication, the communication resonance circuit (317, 321) provides a resonance at a first resonance frequency to the communicator (315, 323). A controller (333, 335) adapts the communication resonance circuit to not provide the resonance at the first resonance frequency to the communicator during object detection time intervals. The approach may provide improved detection of resonance objects, such as smart cards (e.g. NFC cards).



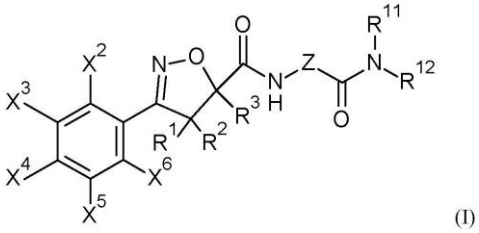
21: 2021/04663. 22: 2021/07/05. 43: 2024/09/30
51: A61D; A61M; B64C
71: FINKELSTEIN, Serge
72: FINKELSTEIN, Serge
33: FR 31: 1901871 32: 2019-02-25
54: AUTONOMOUS AERIAL VEHICLE FOR INTERVENTION ON ANIMALS
00: -
Autonomous aerial vehicle weighing less than 2 kg, fitted with a nacelle (4), the nacelle (4) being provided with means for injecting (5) a substance into an animal, said means (5) comprising a vessel (7) containing said substance and at least one injection member (8) for switching from a so-called rest position, where no substance passes between the vessel (7) and the animal, to a so-called active position, where the substance passes between the vessel (7) and the animal, characterised in that the switching of the injection member from one position to the other is brought about by direct contact of said vehicle (1) with the animal.


Fig. 1

21: 2021/04713. 22: 2021/07/06. 43: 2024/09/30
51: A01N; A01P
71: Bayer Aktiengesellschaft
72: TRABOLD, Klaus, LORENTZ, Lothar, MENNE, Hubert, GATZWEILER, Elmar, ROSINGER, Christopher Hugh, HAAF, Klaus Bernhard
33: EP(DE) 31: 18211041.1 32: 2018-12-07
54: HERBICIDAL COMPOSITIONS
00: -
The present invention provides compositions comprising herbicidally active compounds (A) and (B), where (A) represents one or more compounds of the general formula (I) or agrochemical compatible salts thereof [component (A)], and (B) represents one or more herbicides [component (B)]. The application further relates to a process and to the use of the herbicidal composition of the invention for control of weeds or for regulation of growth.

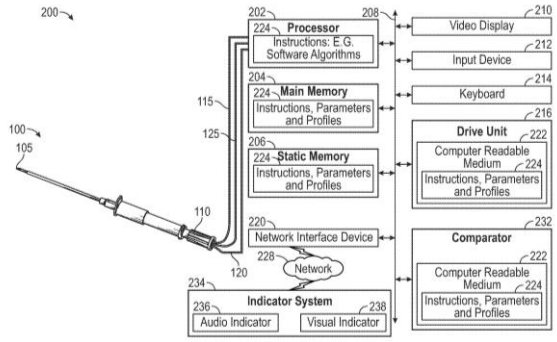

(I)

21: 2021/04714. 22: 2021/07/06. 43: 2024/09/30
51: A01N; A01P
71: Bayer Aktiengesellschaft
72: TRABOLD, Klaus, LORENTZ, Lothar, MENNE, Hubert, GATZWEILER, Elmar, ROSINGER, Christopher Hugh, HAAF, Klaus Bernhard
33: EP(DE) 31: 18211037.9 32: 2018-12-07
54: HERBICIDE COMPOSITIONS
00: -
The present invention relates to compositions containing herbicidally effective compounds (A) and (B), where (A) stands for one or more compounds of general formula (I) or the agrochemically compatible salts thereof [component (A)], (I) and (B) stands for one or more herbicides [component (B)]. The application further relates to a method and to the use of the herbicidal composition according to the invention to combat weeds or regulate growth..

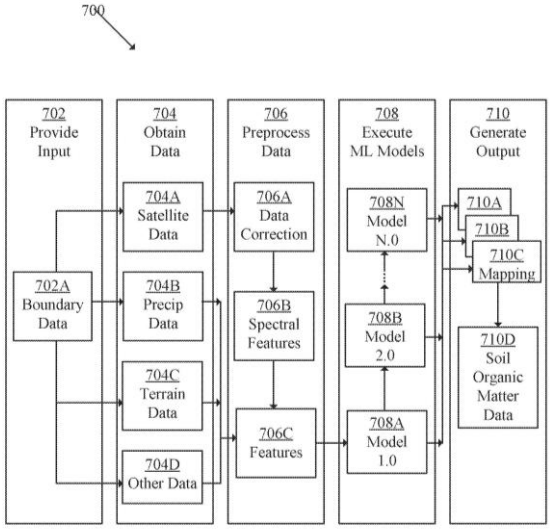

(I)

21: 2021/04717. 22: 2021/07/06. 43: 2024/09/23
51: A61M

71: Becton, Dickinson and Company
72: MA, Yiping, WILLYBIRO, Kathryn
33: US 31: 62/794,442 32: 2019-01-18
54: INTRAVENOUS THERAPY SYSTEM FOR BLOOD VESSEL DETECTION
00: -
An intravenous therapy system may include a hollow needle comprising a distal end and a proximal end, the distal end comprising a sharp tip for insertion into a vein; an infrared (IR) camera placed within a hollow portion of the hollow needle, including: an IR detector; a first light source to emit a first wavelength of IR light; and a second light source to emit a second wavelength of IR light; a comparator to, upon execution of a processor communicatively coupled to the comparator, compare an amount of reflected light received at the IR detector during activation of the first light and second light and provide an indication of light absorption within a vein.



21: 2021/04823. 22: 2021/07/09. 43: 2024/09/30
51: G06K; G06T
71: The Climate Corporation
72: CASAS, Angeles, YANG, Xiaoyuan, WARD, Steven
33: US 31: 62/778,268 32: 2018-12-11
54: MAPPING SOIL PROPERTIES WITH SATELLITE DATA USING MACHINE LEARNING APPROACHES
00: -
In an embodiment, a computer-implemented method for predicting subfield soil properties for an agricultural field comprises: receiving satellite remote sensing data that includes a plurality of images capturing imagery of an agricultural field in a plurality of optical domains; receiving a plurality of environmental characteristics for the agricultural field; generating a plurality of preprocessed images based on the plurality of satellite remote sensing data and the plurality of environmental characteristics; identifying, based on the plurality preprocessed images, a plurality of features of the agricultural field; generating a subfield soil property prediction for the agricultural field by executing one or more machine learning models on the plurality of features; transmitting the subfield soil property prediction to an agricultural computer system.



21: 2021/04826. 22: 2021/07/09. 43: 2024/09/30
51: B31B; B31F; B32B
71: Société des Produits Nestlé S.A.
72: GRES, Nicolas, NORDQVIST, David, HEYDEL, Christophe Sébastien Paul
33: EP(CH) 31: 18213794.3 32: 2018-12-19
54: MANUFACTURING PROCESS FOR PRODUCING HERMETIC SINGLE-USE FOOD CONTAINERS SUCH AS COFFEE PODS, INCLUDING A CREASING STEP
00: -
The invention concerns a manufacturing process for producing hermetic single-use food containers, including: forming a 3D container body having a peripheral upper rim by stamping a 2D blank in a press, the 2D blank including a rim portion (11) and a wall portion (12); applying a closing lid over the 3D container body and sealing the closing lid with the rim. The manufacturing process is characterized in that it comprises a creasing step before forming the 3D container body, where creases (13) are formed in a peripheral zone of the 2D blank (10) by creasing or embossing the 2D blank with a creasing or embossing plate, the thus pre-creased peripheral

zone covering at least a part of the rim portion (11) of the 2D blank.

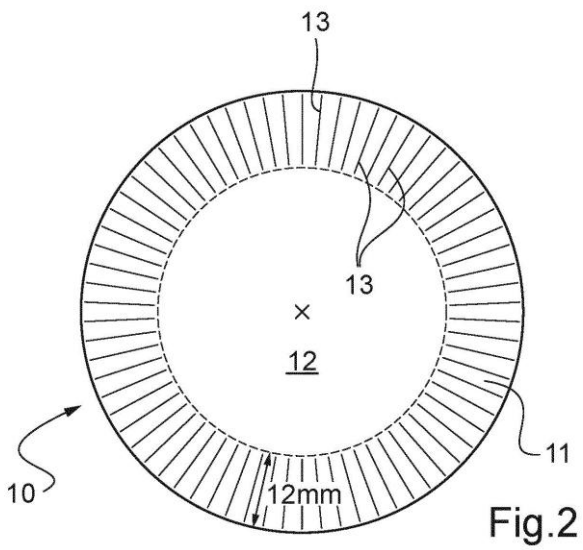


Fig.2

21: 2021/04868. 22: 2021/07/12. 43: 2024/09/20
51: B65D; D21H
71: Plantics B.V.
72: ALBERTS, Albert Henderikus, THYS, Ferry Ludovicus, BAKKER, Wridzer Jan Willem
33: EP(NL) 31: 19152714.2 32: 2019-01-21
54: BIODEGRADABLE CONTAINER AND PLATE MATERIAL AND METHOD FOR THE MANUFACTURE THEREOF
00: -
The invention pertains to a biodegradable container or plate material comprising a layer of cellulose-based material provided with a composite surface layer comprising cellulose-based material and a polyester derived from an aliphatic polyalcohol with 2-15 carbon atoms and an aliphatic polycarboxylic acid with 3 to 15 carbon atoms, wherein the polycarboxylic acid comprises at least 50 wt.% of tricarboxylic acid. The biodegradable container or plate material according to the invention shows one or more, in particular a combination of, the following properties: light weight, high (wet) strength, a desirable degree of flexibility, good (temporary) resistance against water, oil, and fat, and attractive visual and tactile characteristics.

21: 2021/04918. 22: 2021/07/13. 43: 2024/10/24
51: C03C
71: Saint-Gobain Glass France
72: BEUTIER, Julien, RONDEAU, Véronique, MARTIN, Estelle, MISRA, Soumyadeep
33: FR 31: 1900878 32: 2019-01-30
54: SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES AND AN ABSORBENT LAYER
00: -
The invention relates to a substrate coated on one of its faces with a stack of thin layers having reflection properties in the infrared and/or in solar radiation, comprising two metallic functional layers, in particular on the basis of silver. Each of the metallic functional layers is disposed between two dielectric coatings. According to the invention, the coating comprises at least two absorbent layers which absorb solar radiation in the visible part of the spectrum, which is disposed at least in two different dielectric coatings. The invention also relates to double glazings comprising such a substrate coated on side 2.

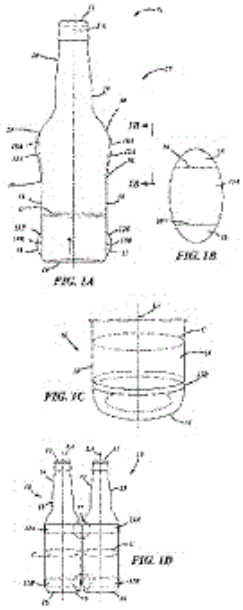
21: 2021/04952. 22: 2021/07/14. 43: 2024/09/20
51: A01N; A01P
71: Syngenta Crop Protection AG
72: SCHULTZ, Thomas
33: GB 31: 1902551.9 32: 2019-02-26
54: FORMULATION
00: -
This invention relates to an emulsion comprising (i) an aqueous phase comprising an agrochemical A; and (ii) an oil phase comprising an agrochemical B; where either phase (i) is dispersed in phase (ii); or phase (ii) is dispersed in phase (i); agrochemical A is selected from salts of mepiquat and salts of chlormequat and mixtures of such salts; agrochemical B is trinexapac-ethyl; provided that the emulsion is not a microemulsion. It also relates to such an emulsion which is a ready mix emulsion; to use of such an emulsion for regulating plant growth; and to use of such an emulsion for preventing and/or reducing lodging of crop plants.

21: 2021/05581. 22: 2021/08/06. 43: 2024/10/10
51: B29C; B33Y; B41J; B41M
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: CHISHOLM, BRIAN J, CHARRETTON, CEDRIC, DANGMANN, OLIVIER, MIFSUD, EVA, SMITH, SUSAN L, VALETTE, LUDOVIC
33: US 31: 16/294,414 32: 2019-03-06

54: THREE-DIMENSIONAL PRINTING ON GLASS CONTAINERS

00: -

This disclosure describes substrate(s) (10) formed with a three-dimensional (3D) feature (12) thereon, and method(s) of printing the same. One method includes identifying a plurality of locations (32) on a substrate surface (18) where the three-dimensional feature will be formed, determining a height value of the three-dimensional feature at each location, assigning a grayscale value to each location based on the height value, and applying ink to the substrate surface at each location according to the assigned grayscale value.

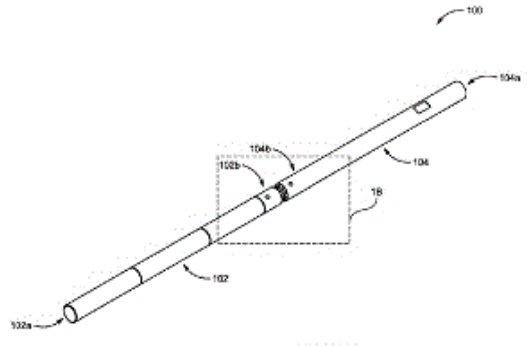


21: 2021/05646. 22: 2021/08/10. 43: 2024/10/10
51: F16D
71: BELVAC PRODUCTION MACHINERY, INC.
72: REYNOLDS, WILLIAM STORRS
33: US 31: 62/797,514 32: 2019-01-28

54: QUICK-CHANGE SPLIT SHAFT

00: -

A split shaft is disclosed. The split shaft includes a proximal shaft section having a first proximal shaft end and a second proximal shaft end. The first proximal shaft end is configured to couple to the first machine arrangement. The split shaft further includes a distal shaft section having a first distal shaft end and a second distal shaft end. The first distal shaft end is configured to couple to the second machine arrangement. The second distal shaft end is configured to engage with the second proximal shaft end to convey the drive power from the first machine arrangement to the second machine arrangement. The second proximal shaft end includes a first indicator, and the second distal shaft end includes a second indicator. Alignment of the first indicator and the second indicator conveys timing for the drive power.

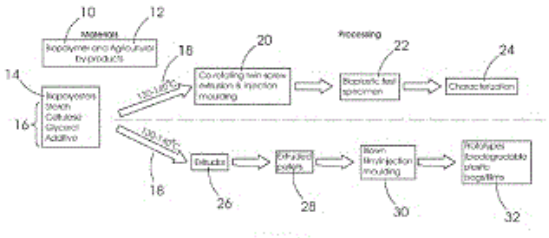


21: 2021/05779. 22: 2021/08/13. 43: 2024/10/10
51: C08L
71: CSIR
72: MUNIYASAMY, SUDHAKAR, OFOSU, OSEI, MTIBE, ASANDA, ANANDJIWALA, RAJESH D
33: GB 31: 1801978.6 32: 2018-02-07

54: BIODEGRADABLE PLASTIC

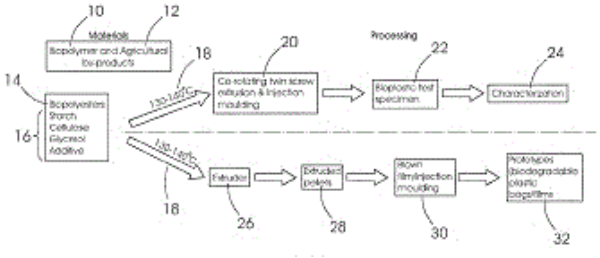
00: -

This invention relates to a biodegradable plastic and a process for producing the biodegradable plastic from bio-based polymers and agricultural by-products renewable resource based. The biodegradable plastic is produced in a process comprising melt blending a polymer blend comprising or consisting of polybutylene succinate (PBS); polybutylene adipate co-terephthalate (PBAT); plasticized natural polymer/s; and optionally chain extender additive.

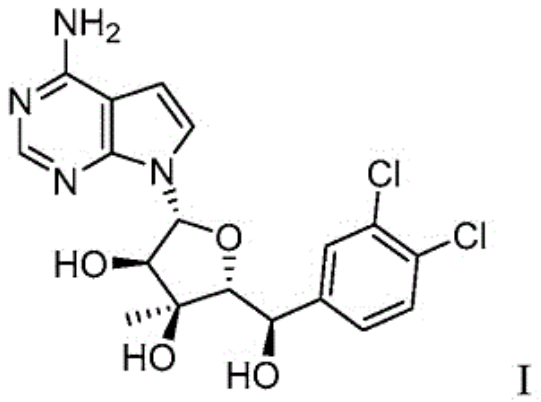


21: 2021/05780. 22: 2021/08/13. 43: 2024/10/10
51: C08L
71: CSIR
72: MUNIYASAMY, SUDHAKAR, OFOSU, OSEI, MTIBE, ASANDA, ANANDJIWALA, RAJESH D

33: GB 31: 1801978.6 32: 2018-02-07
54: BIODEGRADABLE PLASTIC
00: -
This invention relates to a biodegradable plastic and a process for producing the biodegradable plastic from bio-based polymers and agricultural by-products renewable resource based. The biodegradable plastic is produced in a process comprising melt blending a polymer blend comprising or consisting of polylactic acid (PLA); polybutylene succinate (PBS); and plasticised natural polymer/s.



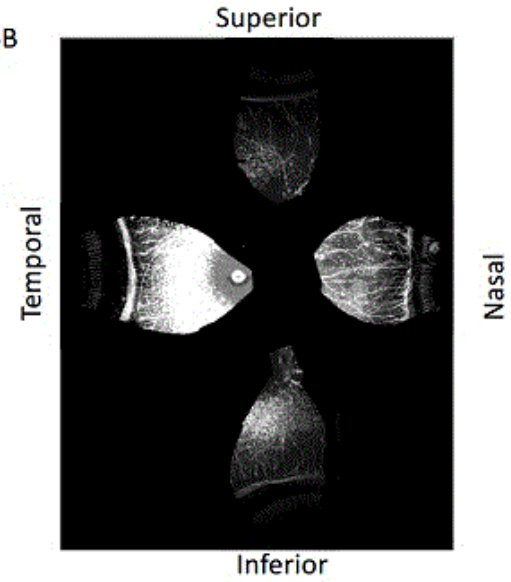
21: 2021/05887. 22: 2021/08/17. 43: 2024/10/10
51: C07H; A61K; A61P
71: PRELUDE THERAPEUTICS, INCORPORATED
72: LIN, HONG, LI, QUN, ANDRES, MARK, ZHANG, HUAPING
33: US 31: 62/805,175 32: 2019-02-13
33: US 31: 62/805,726 32: 2019-02-14
54: SELECTIVE INHIBITOR OF PROTEIN ARGININE METHYLTRANSFERASE 5 (PRMT5)
00: -
The disclosure is directed to crystalline forms of the compound of Formula I, pharmaceutically acceptable salts of the compound of Formula I, and crystalline forms thereof. Pharmaceutical compositions comprising said crystalline forms and salts, as well as methods of their use and preparation, are also described.



I

21: 2021/05975. 22: 2021/08/19. 43: 2024/10/10
51: A61K; C07K; C12N
71: ADVERUM BIOTECHNOLOGIES, INC.
72: KERAVALA, ANNAHITA, CEPEDA, DIANA, GASMI, MEHDI
33: US 31: 62/839,548 32: 2019-04-26
33: US 31: 62/923,924 32: 2019-10-21
54: VARIANT AAV CAPSIDS FOR INTRAVITREAL DELIVERY
00: -
Provided are variant adeno-associated virus (AAV) capsid proteins and recombinant AAV virions having one or more variant AAV capsid proteins. Also provided are compositions and methods for the use of the recombinant AAV virions, such as for the treatment or prophylaxis of a disease or disorder.

FIG. 5B



21: 2021/06067. 22: 2021/08/23. 43: 2024/10/10

51: C07D; A61K
71: C4 THERAPEUTICS, INC.
72: HENDERSON, JAMES A, HE, MINSHENG, GOOD, ANDREW CHARLES, PHILIPPS, ANDREW J
33: US 31: 62/833,107 32: 2019-04-12

54: TRICYCLIC DEGRADERS OF IKAROS AND AIOLOS

00: -

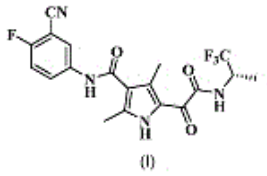
Tricyclic cereblon binders for the degradation of Ikaros or Aiolos by the ubiquitin proteasome pathway for therapeutic applications are described.

21: 2021/06097. 22: 2021/08/24. 43: 2024/10/10
51: C07D; A61K; A61P
71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.
72: ZHANG, YINSHENG, AO, WANGWEI, LI, YUAN, WANG, HUI, SHEN, HANGZHOU, NI, JIE, ZHANG, HUAN, WU, JIE, ZHANG, LI, CAO, KAI, LU, PENG, LIU, XUSHI, WANG, JIE, ZHAO, TIANXIAO, GE, XINGFENG, LU, DANDAN, CHEN, SHUO, MA, XUEQIN, SHI, WEI, WANG, XIAOJIN, XU, HONGJIANG
33: CN 31: 201910073465.2 32: 2019-01-25

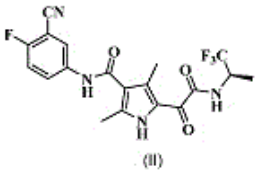
54: N-HETEROCYCLIC FIVE-MEMBERED RING-CONTAINING CAPSID PROTEIN ASSEMBLY INHIBITOR, PHARMACEUTICAL COMPOSITION AND USES THEREOF

00: -

Provided is a compound of formula I or II, a stereoisomer, a tautomer, a geometrical isomer, a solvate, an active metabolite, a hydrate, a prodrug or a pharmaceutically acceptable salt thereof, a pharmaceutical composition thereof, and the medical uses thereof in treating diseases benefiting from the capsid protein assembly inhibitor, particularly diseases caused by hepatitis B virus infection.



(I)



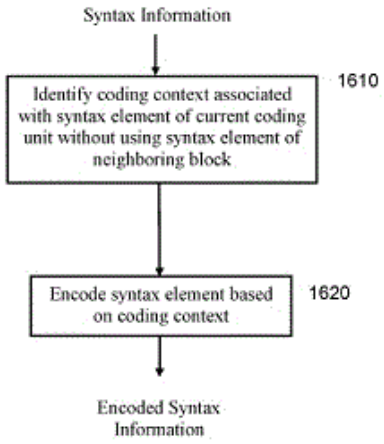
(II)

21: 2021/06159. 22: 2021/08/25. 43: 2024/10/10
51: H04N
71: INTERDIGITAL VC HOLDINGS, INC.
72: CHEN, YA, LELEANNEC, FABRICE, POIRIER, TANGI
33: EP 31: 19305279.2 32: 2019-03-11

54: ENTROPY CODING FOR VIDEO ENCODING AND DECODING

00: -

Encoding or decoding syntax information associated with video information can involve identifying a coding context associated with a syntax element of a current coding unit of the video information, wherein the identifying occurs without using a syntax element of a neighboring block, and encoding or decoding the syntax element of the current coding unit based on the coding context.



21: 2021/06308. 22: 2021/08/30. 43: 2024/10/10
51: C12N; A61K
71: SQZ BIOTECHNOLOGIES COMPANY
72: SHAREI, ARMON R, BERNSTEIN, HOWARD, LOUGHHEAD, SCOTT, BOOTY, MATTHEW, BLAGOVIC, KATARINA, HLAVATY, KELAN, YARAR, DEFNE, OZAY, EMRAH ILKER, SMITH, CAROLYNE KELLY
33: EP 31: 19161964.2 32: 2019-03-11
33: US 31: 62/812,225 32: 2019-02-28
33: US 31: 62/933,304 32: 2019-11-08
33: US 31: 62/886,799 32: 2019-08-14
33: US 31: 62/948,732 32: 2019-12-16
33: US 31: 62/841,089 32: 2019-04-30

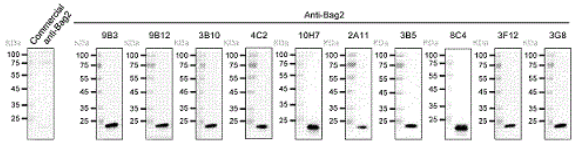
54: DELIVERY OF BIOMOLECULES TO PBMCS TO MODIFY AN IMMUNE RESPONSE

00: -

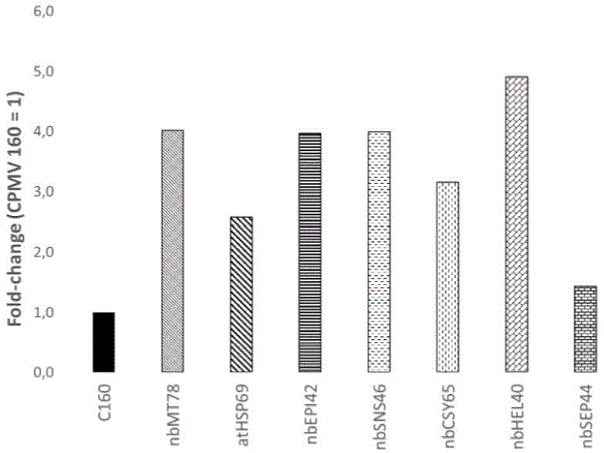
The present application provides peripheral blood mononuclear cells comprising an antigen, methods of manufacturing such PBMCs, and methods of using such PBMCs, such as for modulating an immune response in an individual. In some embodiments, the PBMCs are conditioned by incubating the PBMC in the presence of an adjuvant.

21: 2021/06538. 22: 2021/08/24. 43: 2024/10/30
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
72: AKTOUDIANAKIS, Evangelos, CHIN, Gregory, MACKMAN, Richard L., METOBO, Samuel E., MISH, Michael R., PYUN, Hyung-jung, ZABLOCKI, Jeff
33: US 31: 62/128,397 32: 2015-03-04
33: US 31: 62/250,403 32: 2015-11-03
54: TOLL-LIKE RECEPTOR MODULATING 4,6-DIAMINO-PYRIDO[3,2-D]PYRIMIDINE COMPOUNDS
00: -
The present disclosure relates generally to toll like receptor modulator compounds, such as diamino pyrido[3,2 D] pyrimidine compounds and pharmaceutical compositions which, among other things, modulate toll-like receptors (e.g. TLR-8), and methods of making and using them.

21: 2021/06551. 22: 2021/09/07. 43: 2024/10/22
51: C07K C12N A61K A61P
71: MEDPACTO, INC.
72: KIM, Seong Jin, KANG, Dong Woo
33: KR 31: 10-2019-0016347 32: 2019-02-12
33: KR 31: 10-2019-0016359 32: 2019-02-12
54: ANTI-BAG2 ANTIBODY AND METHODS OF TREATING CANCER
00: -
The present application discloses an antibody or antigen-binding fragment thereof that binds specifically to a BAG2 polypeptide or fragment thereof, and a method of treating cancer thereof.



21: 2021/07581. 22: 2021/10/08. 43: 2024/10/25
51: C12N A01H C07K C12P
71: ARAMIS BIOTECHNOLOGIES INC.
72: LAVOIE, Pierre-Olivier, D'AOUST, Marc-Andre, KATO, Ko, YAMASAKI, Shotaro
54: ENDOGENOUS PLANT EXPRESSION ENHANCER
00: -
An isolated expression enhancer active in a plant, portion of a plant or plant cell, the expression enhancer is provided. The isolated expression enhancer may be selected from the group consisting of nbEPI42 (SEQ ID NO:1); nbSNS46 (SEQ ID NO:2); nbCSY65 (SEQ ID NO:3); nbHEL40 (SEQ ID NO:4); and nbSEP44 (SEQ ID NO:5). Methods for using the isolated expression enhancer are also provided.



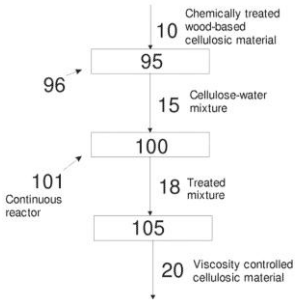
21: 2021/07880. 22: 2021/10/15. 43: 2024/10/21
51: A01N; A01P
71: Kumiai Chemical Industry Co., Ltd.
72: YOKOYAMA, Waki
33: JP 31: 2019-050487 32: 2019-03-18
54: AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION AND METHOD FOR SPRAYING SAME
00: -
The present invention provides: an aqueous agrochemical suspension composition which is able to be prevented from increase in the viscosity of the composition even if pyroxasulfone is contained therein at a high concentration, and which has good storage stability; and a method for spraying this aqueous agrochemical suspension composition. The present invention provides: an aqueous agrochemical suspension composition which is characterized by containing pyroxasulfone, an acrylic graft copolymer, an alcohol alkoxylate and a lignin sulfonic acid salt, and which is also characterized in that the alcohol alkoxylate contains a polyoxyethylene alkyl ether; and a method for spraying an aqueous agrochemical suspension composition, which is characterized by spraying the above-described aqueous agrochemical suspension composition to a farm filed where agricultural and horticultural crops grow.

21: 2021/08091. 22: 2021/10/21. 43: 2024/11/15
51: D21C
71: UPM-KYMMENE CORPORATION
72: VIRTANEN, Pasi, RISTOLAINEN, Matti, KOSONEN, Harri, POHJALAINEN, Teemu, MODIG, Sakari, SAPKOTA, Janak

54: CELLULOSE MATERIAL PLASTICIZATION AND VISCOSITY CONTROLLED CELLULOSIC MATERIAL

00: -

The invention relates to method for producing viscosity controlled cellulosic material having a viscosity value in a range between 150 ml/g and 500 ml/g in a continuous process, the method comprising the following steps: i) forming a cellulose-water mixture (15) comprising water and chemically treated wood-based cellulosic material, the cellulose-water mixture (15) having a dry matter content between 3% and 20%, ii) treating the formed cellulose-water mixture (15) in a plasticization step (100) at a temperature between 130°C and 200°C, and a pressure between 3 bars and 15 bars, at least 5 minutes and 120 minutes at the most, while mixing the cellulose-water mixture (15), and feeding hot water and/or water steam to the cellulose-water mixture, thereby obtaining a treated mixture (18), and iii) depressurizing the treated mixture (18) in a depressurizing step (105) in a controlled manner, thereby obtaining the viscosity controlled cellulosic material (20). This invention further relates to a viscosity controlled cellulosic material and a system for producing viscosity controlled cellulosic material.

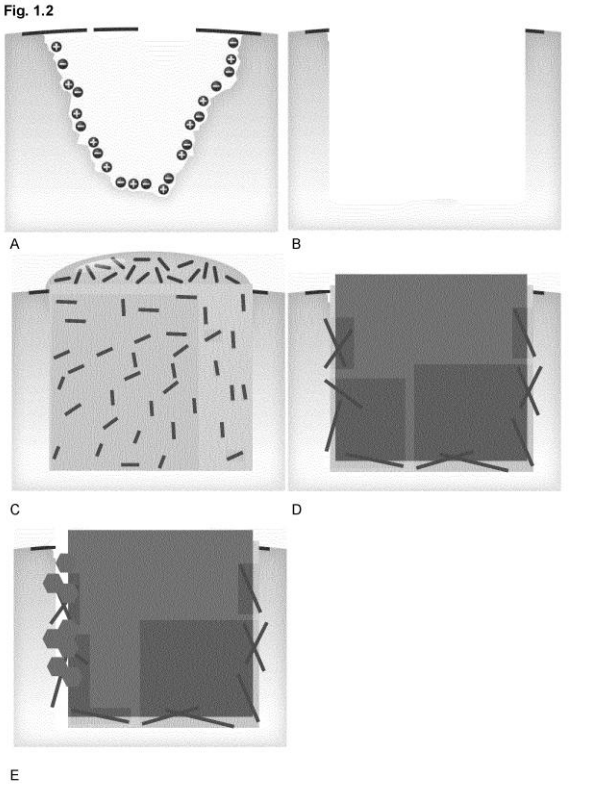


21: 2021/09133. 22: 2021/11/16. 43: 2024/11/15
51: A61K
71: CREDENTIS AG
72: LYSEK, Dominikus Amadeu, HUG, Michael, NOVY, Brian, B.
33: EP 31: 19185523.8 32: 2019-07-10

54: SELF-ASSEMBLING PEPTIDES IN THE PREVENTION AND TREATMENT OF CAVITATED CARIOUS LESIONS

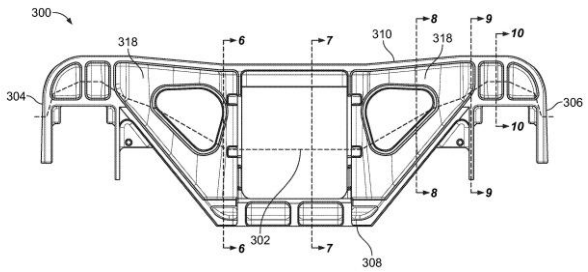
00: -

The invention is in the field of caries prevention and treatment, in particular minimally-invasive, or non-invasive dental decay treatment. It relates to a composition and a kit comprising a self-assembling peptide, such as the self-assembling peptide P11-4 or P11-8, and a dental agent, namely a dental sealant, e.g. a glass-ionomer cement-based sealant or a resin-based sealant, a fluoride varnish, a dental restorative material or a bonding agent. The invention further relates to a composition and kit comprising a self-assembling peptide and a dental agent for use in the treatment of a carious lesion, preferably a cavitated carious lesion. The self-assembling peptide prevents secondary caries after failure of the dental agent used in treatment of cavitated caries, especially in case of a failing interface between the restoration with the dental agent and the tooth. The composition and kit of the present invention may also be used for pulp capping.



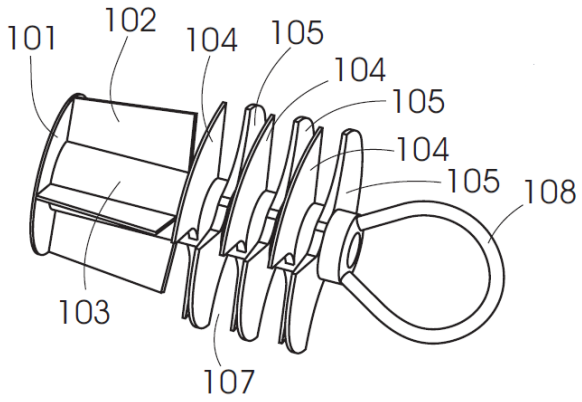
21: 2021/09457. 22: 2021/11/24. 43: 2024/11/15
51: B61F; E04C

71: AMSTED RAIL COMPANY, INC.
72: MONACO, Jay, P., WIKE, Paul, Steven, TONNIES, Joshua, E
33: US 31: 62/698,358 32: 2018-07-16
54: RAILWAY TRUCK ASSEMBLY HAVING I-BEAM COMPONENTS
00: -
A truck assembly is configured to travel along a track having rails, and includes a first side frame, a second side frame, and a bolster extending between the first side frame and the second side frame. One or more of the first side frame, the second frame, or the bolster includes at least a portion formed as an I-beam that includes a web having a first end and a second end opposite from the first end, a first flange extending from the first end of the web, and a second flange extending from the second end of the web. A thickness of the web increases away from a first neutral axis towards the first flange and the second flange.



21: 2021/10119. 22: 2021/12/07. 43: 2024/11/06
51: C07K; C12N; C12Q
71: JOINT STOCK COMPANY "BIOCAD"
72: SEVERINOV, Konstantin Viktorovich, SHMAKOV, Sergey Anatolievich, ARTAMONOVA, Daria Nikolaevna, GORYANIN, Ignaty Igorevich, MUSHAROVA, Olga Sergeevna, ANDREEVA, Julia Valerevna, ZYUBKO, Tatiana Igorevna, FEDOROVA, Yana Vitalievna, KHODORKOVSKII, Mikhail Alekseevich, POBEGALOV, George Evgenevich, ARSENIEV, Anatoliy Nikolaevich, SELKOVA, Polina Anatolevna, VASILIEVA, Aleksandra Andreevna, ARTAMONOVA, Tatiana Olegovna, ABRAMOVA, Marina Viktorovna
33: RU 31: 2019118061 32: 2019-06-11
54: DNA-CUTTING AGENT BASED ON CAS9 PROTEIN FROM THE BACTERIUM PASTEURELLA PNEUMOTROPICA
00: -
The present invention describes a novel bacterial nuclease of a CRISPR-Cas9 system from the bacterium P. pneumotropica, as well as the use of said nuclease for creating strictly specific two-strand cuts in a DNA molecule. The present nuclease possesses unusual properties and can be used as an instrument for introducing changes at strictly specified locations in a genomic DNA sequence of single-celled and multi-celled organisms. The invention thus increases the universality of accessible CRISPR-Cas9 systems, making it possible to use Cas9 nuclease from various organisms to cut genomic or plasmid DNA in a large number of specific sites and under various conditions.

21: 2021/10556. 22: 2021/12/17. 43: 2024/11/07
51: F42D
71: IPTREE TRUST (TRUST NUMBER 503/2009)
72: BÜHRMANN, Rudolph Teodor
33: ZA 31: 2020/07366 32: 2020-11-26
54: BLAST HOLE TAMPING PLUG
00: -
The invention relates to a tamping plug to retain explosives in a blast hole. A head is provided as disk with a plurality of axial ribs that extend from the head, partway along a rearward stem. A number spaced apart flexible retaining fins are provided behind the ribs along the stem. The fins extend transverse to the stem to an outer region beyond the head. Adjacent fins are provided in a radially staggered arrangement and located substantially around the stem. A handle is provided on a back end of the stem. The plug is moulded integrally from plastics material.



21: 2022/02539. 22: 2022/03/01. 43: 2024/10/24
51: A47G; D21J; B26B
71: FIBERDOM OY

72: KETTUNEN, Timo
33: FI 31: 20195657 32: 2019-08-02
54: METHOD FOR THE MANUFACTURE OF PRODUCTS MADE FROM FIBROUS MATERIAL AND DISPOSABLE PRODUCTS MANUFACTURED ACCORDING TO THE METHOD
00: -
The invention relates to a method for manufacturing a product, such a disposable cutlery, manufactured of a fibre material. The method comprising the steps of feeding fibrous material as a material flow (2) to a roll forming step, at which roll forming step the fibres are bound into a coherent profile, and the cross-sectional profile of the profile is moulded into a blank (14) with a desired cross-sectional profile by means or at least one roller pair or drum pair (4, 6), and cutting products of the desired shape from the blank (14) moulded at the roll forming step by aligning a cutting geometry (18, 24) of the products (19, 23) at the desired place on the blank (14). The invention additionally relates to disposable products manufactured by the method.

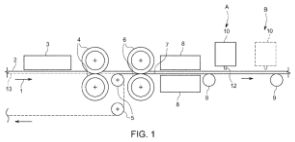
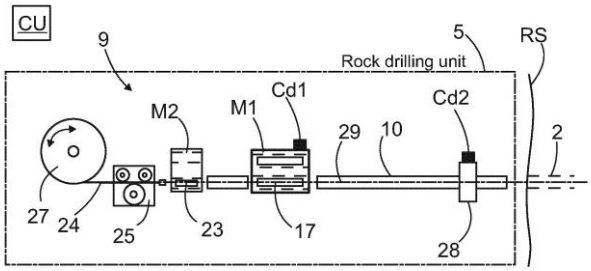


FIG. 1

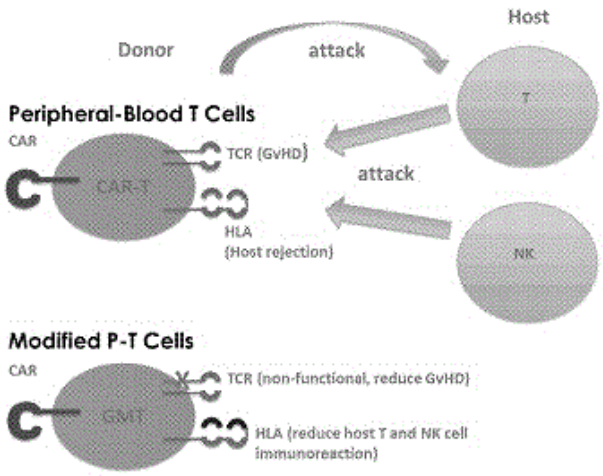
21: 2022/04824. 22: 2022/04/29. 43: 2024/10/11
51: E21C; E21D; F42D
71: Sandvik Mining and Construction Oy, Sandvik Mining and Construction Lyon SAS
72: POURCENOUX, Jérôme, BARRAUD, Rémy, CHAVAND, Sylvain, DÉMIA, Laurent
33: EP(FI) 31: 19210047.7 32: 2019-11-19
54: ROCK DRILLING UNIT AND METHOD FOR CHARGING DRILLED HOLES
00: -
A rock drilling unit and method for charging drilled holes. The rock drilling unit comprises a feed system for feeding initiators and rock breaking material into the drilled holes. The rock drilling unit is also provided with one or more communicating devices for communicating with the wireless initiators.



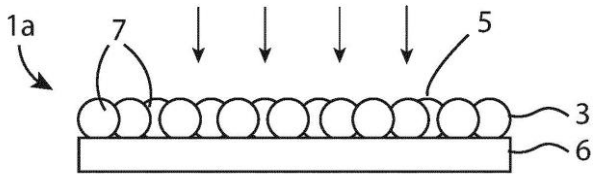
21: 2022/05007. 22: 2022/05/06. 43: 2024/10/24
51: A61K; A61Q
71: Colgate-Palmolive Company
72: FAN, Aixing, LI, Min, BOYD, Thomas, PILLAI, Shyamala, TRUONG, Katie, DU-THUMM, Laurence
54: PERSONAL CARE COMPOSITIONS FOR TREATING ODOR CAUSING BACTERIA AND METHODS FOR THE SAME
00: -
Compositions, such as personal care compositions, and methods for selectively inhibiting the growth of a detrimental bacteria and promoting the growth of a beneficial bacteria are disclosed. The composition may include a base and one or more fatty alcohols. The one or more fatty alcohols may be present in an amount effective to selectively inhibit the growth of at least one detrimental Gram-positive bacteria and promote the growth of at least one beneficial Gram-positive bacteria on skin. The detrimental Gram-positive bacteria may include *Corynebacterium,* and the beneficial Gram-positive bacteria may include Staphylococcus.

21: 2022/05286. 22: 2022/05/12. 43: 2024/10/09
51: A61K; C07K; C12N
71: SORRENTO THERAPEUTICS, INC., CELULARITY INC.
72: KARASIEWICZ-MENDEZ, KATHY, HE, SHUYANG, TESS, KRISTINA, LING, WEIFANG, JHUN, KEVIN, ZELDIS, JEROME B, HARIRI, ROBERT J, ZHANG, XIAOKUI, MA, QIANGZHONG, GUO, WENZHONG, ZHANG, YANLIANG, JI, HENRY HONGJUN
33: US 31: 62/943,760 32: 2019-12-04
33: US 31: 63/035,432 32: 2020-06-05
33: US 31: 62/944,349 32: 2019-12-05
54: PLACENTA-DERIVED ALLOGENEIC CAR-T CELLS AND USES THEREOF
00: -
The present invention discloses populations of T cells expressing a chimeric antigen receptor (CAR), wherein said T cells are placental T cells derived from cord blood, placental perfusate, or a mixture thereof. Such populations of cells are shown to be improved in a number of aspects over alternative populations of cells such as those derived from peripheral blood mononuclear cell T cells. It also

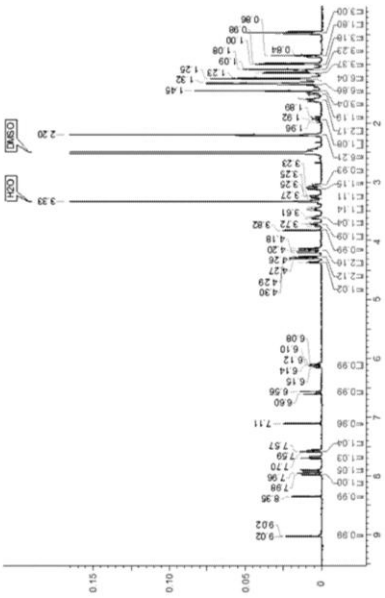
discloses methods of treating cancer, such as a hematologic cancer, e.g., a B cell cancer, or a symptom thereof in a patient in need thereof. These methods omprise administering to the patient an amount of the population of T cells of any one of the invention effective to alleviate the cancer or symptom thereof in the patient.



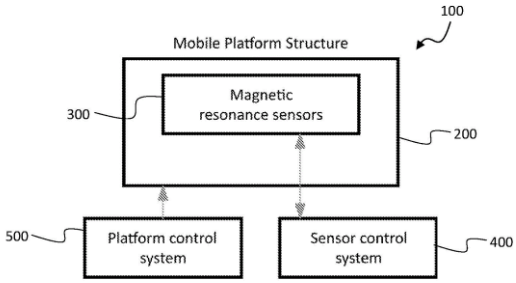
21: 2022/05437. 22: 2022/05/17. 43: 2024/09/25
51: H01G; H01L
71: Exeger Operations AB
72: LINDSTRÖM, Henrik, FILI, Giovanni
33: EP(SE) 31: 19211584.8 32: 2019-11-26
54: A WORKING ELECTRODE FOR A PHOTOVOLTAIC DEVICE, AND A PHOTOVOLTAIC DEVICE INCLUDING THE WORKING ELECTRODE
00: -
The present invention relates to a working electrode (1a) for a photovoltaic device, comprising a light absorbing layer (3) and a conductive layer (6) arranged in electrical contact with the light absorbing layer (3), and the light absorbing layer (3) comprises a light absorbing photovoltaic material consisting of a plurality of dye molecules. The light absorbing layer (3) is formed by a layer of a plurality of clusters (7), whereby each cluster (7) is formed by dye molecules and each dye molecule in the cluster (7) is bonded to its adjacent dye molecules.



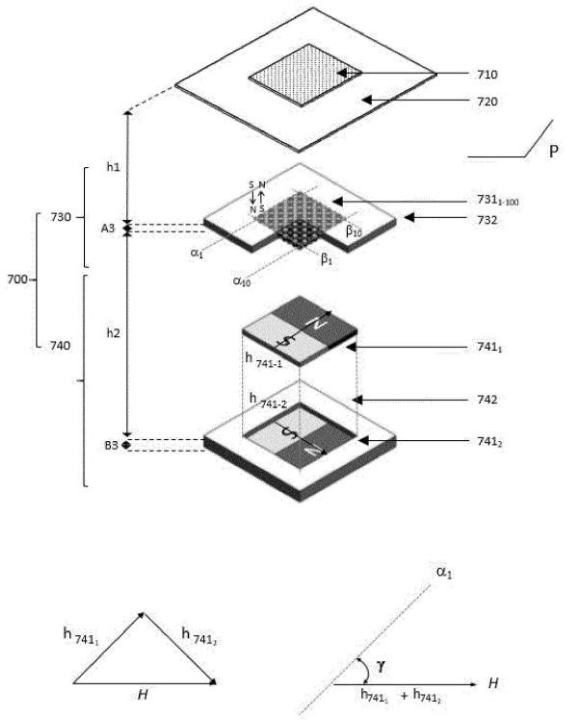
21: 2022/05737. 22: 2022/05/24. 43: 2024/11/15
51: A61K; C07H
71: ALIQUANTUMRX, INC.
72: SULLIVAN, David, HILL, Amanda, WITTERING, Kate, TAPPER, Amy, KALUDOV, Nikola
33: US 31: 62/942,508 32: 2019-12-02
54: SALTS AND POLYMORPHS OF CETHROMYCIN FOR THE TREATMENT OF DISEASE SALTS AND POLYMORPHS OF CETHROMYCIN
00: -
Disclosed herein are new salts and polymorphs of cethromycin for the treatment of diseases due to infection by bacteria and certain protozoans, including, for example, malaria, Babesosis, Toxoplasmosis, diarrheal disease, respiratory disease, sexually transmitted bacterial infections, and some bioterror bacteria, including, for example, plague, tularemia and post-inhalation anthrax. Also disclosed herein are new salts and polymorphs of cethromycin for the treatment of inflammatory diseases, including, for example, pelvic inflammatory disease, and peptic ulcer disease.



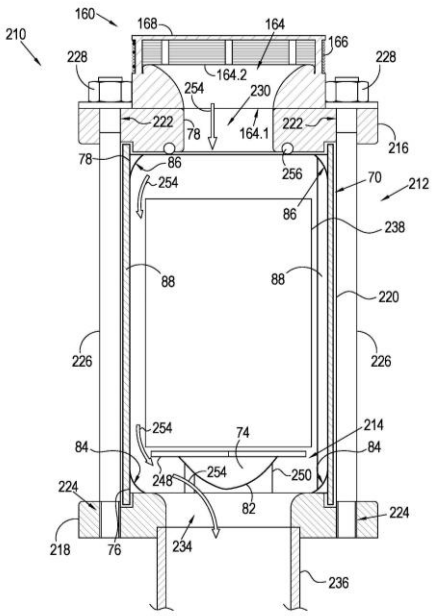
21: 2022/05757. 22: 2022/05/16. 43: 2024/09/25
51: E21B; G01N; G01R; G01V
71: Commonwealth Scientific and Industrial Research Organisation
72: MILJAK, David, YONG, Richard
33: AU 31: 2019904928 32: 2019-12-24
54: AN APPARATUS FOR THE MEASUREMENT OF ORE IN MINE ORE BENCHES
00: -
Apparatus for the measurement of ore in mine ore benches or ore stockpiles is disclosed, the apparatus comprising: a mobile platform, defining a platform zone, wherein the mobile platform is positionable on or above a mine ore bench or stockpile; and at least one magnetic resonance (MR) sensor comprised in the mobile platform. The MR sensor includes a main loop and a drive loop located above the main loop. A magnetic resonance sensor control system is provided and configured to control at least one of: the positioning of the at least one MR sensor relative to the platform zone and/or mine ore bench or ore stockpile; the positioning of elements comprised in the MR sensor relative to each other; electromagnetic suppression characteristics of the at least one MR sensor; and/or sensitivity of the at least one MR sensor as a function of distance of the sensor from the mine ore bench or ore stockpile.



21: 2022/05934. 22: 2022/05/27. 43: 2024/10/07
51: B05D; B42D; G06K
71: SICPA HOLDING SA
72: LOGINOV, Evgeny, SCHMID, Mathieu, DESPLAND, Claude-Alain
33: EP(CH) 31: 19205716.4 32: 2019-10-28
54: MAGNETIC ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES
00: -
The present invention relates to the field of magnetic assemblies and processes for producing optical effect layers (OELs) comprising magnetically oriented non-spherical magnetic or magnetizable pigment particles on a substrate. In particular, the present invention relates to magnetic assemblies processes for producing said OELs as anti-counterfeit means on security documents or security articles or for decorative purposes.



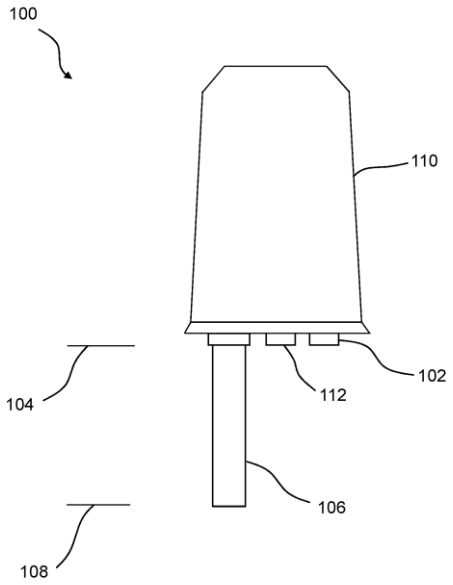
21: 2022/06194. 22: 2022/06/03. 43: 2024/10/08
51: F16K; F16L; F24D
71: UNIVERSITY OF PRETORIA
72: VAN VUUREN, Stefanus Johannes, VAN DIJK, Marco
33: ZA 31: 2019/08187 32: 2019-12-10
54: AIR VALVE
00: -
This invention relates to an air valve which includes a deflector positioned inside a float chamber in order to improve the flow of air through the air valve. Further, the air valve includes an upper opening leading from the float chamber and having a transverse cross-section which increases away from the float chamber in order to smooth air flow. The invention further relates to an air valve accessory whereby an air valve can be modified in order to improve air flow therethrough.



21: 2022/06441. 22: 2022/06/09. 43: 2024/09/25
51: A61K; A61Q
71: Colgate-Palmolive Company
72: WU, Qiang, BOYD, Thomas, MAKSIMOVIC, Srdjan
33: US 31: 62/948,480 32: 2019-12-16
54: PERSONAL CARE COMPOSITIONS AND METHODS FOR THE SAME
00: -
Personal care compositions and methods for treating or reducing reactive oxygen species in or on skin are disclosed. The personal care composition may include a carrier, at least one plant oil, and at least one vitamin B compound. The at least one plant oil and the at least one vitamin B compound may be present in an effective amount to reduce reactive oxygen species in skin. The method may include contacting the personal care composition with the skin.

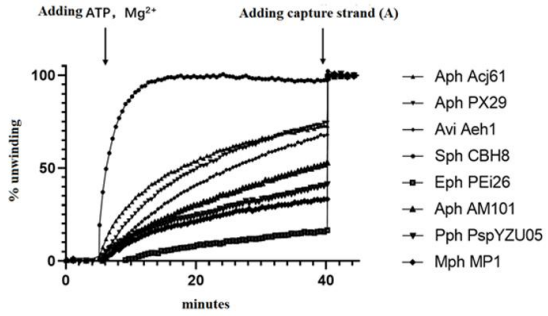
21: 2022/07054. 22: 2022/06/24. 43: 2024/10/24
51: G01F
71: DETECTRONIC LIMITED
72: WOODS, Stephen
33: GB 31: 2000998.1 32: 2020-01-23
54: OPEN CHANNEL FLOW MONITORING APPARATUS
00: -
There is provided an open channel flow monitoring apparatus for measuring a fluid level, the apparatus comprising: a first sensor configured to obtain data

indicative of a fluid level below a first threshold level; a second sensor configured to obtain data indicative of fluid level above a second threshold level, which is lower than the first threshold level; wherein both the first sensor and the second sensor are configured to obtain data indicative of the fluid level when the fluid level is between the first threshold level and the second threshold.



21: 2022/07211. 22: 2022/06/29. 43: 2024/10/24
51: A61K C07K
71: SIRNAOMICS, INC.
72: LU, Xiaoyong, LU, Patrick, Y., EVANS, David, M.
33: US 31: 62/945,042 32: 2019-12-06
54: PEPTIDE DOCKING VEHICLE FOR TARGETED NUCLEIC ACID DELIVERY
00: -
Peptide docking vehicle compositions containing a therapeutic compound, such as an siRNA molecule, and a targeting ligand are provided, together with methods for their preparation and use. The compositions and methods allow targeted cell/tissue delivery of the therapeutic compound to a subject by linking a targeting ligand to the compound to provide enhanced therapeutic benefit. The subject may be an animal or a human.

21: 2022/07476. 22: 2022/07/06. 43: 2024/11/13
51: C07K; C12N; C12Q
71: QITAN TECHNOLOGY LTD., BEIJING
72: ZHANG, Zhougang, WANG, Muyang, GUO, Qianqian, CHEN, Chengyao
54: PIF1-LIKE HELICASE AND APPLICATION THEREOF
00: -
A modified Pif1-like helicase, a construct containing a Pif1-like helicase, and an application thereof in characterizing a target polynucleotide or controlling the movement of a target polynucleotide passing through pores. The present invention also relates to a method for characterizing a target polynucleotide or controlling the movement of a target polynucleotide passing through pores. The Pif1-like helicase can effectively control the movement of a polynucleotide passing through pores and increase the accuracy of a chain sequencing process.



21: 2022/07480. 22: 2022/07/06. 43: 2024/10/07
51: C10M C08F C10N
71: EVONIK OPERATIONS GMBH
72: MAIER, Stefan, Karl, NEUSIUS, Michael, XIAO, Qi, FEDOR, Gabriela, HILF, Stefan, MAEHLING, Frank-Olaf
54: HIGH VISCOSITY POLYACRYLATE BASE FLUIDS
00: -
Provided are low molecular weight polyalkyl acrylate polymers, the method and the use as high viscosity base fluids thereof. It is further directed to lubricant compositions comprising such low molecular weight polyalkyl acrylate polymers and to the use of such compositions as automatic transmission fluids, manual transmission fluids, continuously variable transmission fluids, gear oil formulations, industrial gear oil formulations, axle fluid formulations, dual clutch transmission fluids, dedicated hybrid transmission fluids or as hydraulic oils.

21: 2022/07484. 22: 2022/07/06. 43: 2024/10/22
51: A01N C25D

71: A3 SURFACES INC.
72: DUMONT, Maxime, LAMBERT, Jocelyn, LEBLANC, Guy, LAMBERT, Martin, LAVOIE, Michel, COLLARD, Jean-pierre, AUCLAIR-GILBERT, Myriam, GAGNON, Simon
33: US 31: 62/946,272 32: 2019-12-10
33: US 31: 63/044,164 32: 2020-06-25

54: ANODIZED BIOCIDAL METALLIC MATERIAL, PROCESS FOR MAKING THE MATERIAL AND METHOD FOR REACTIVATING THE MATERIAL

00: -

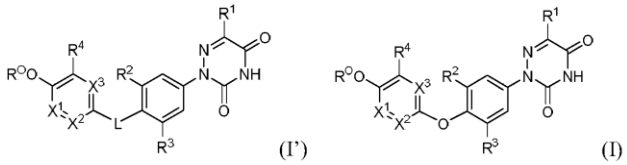
A process for the making of metallic product with biocidal properties is disclosed, and first comprises anodizing a product having at least one metallic surface (e.g. aluminum, steel) using a controlled current density to form pores on the surfaces with controlled spatial density and depth. The process also comprises contacting the anodized metallic surfaces with a first biocidal solution before sealing the pores. Preferably, the metallic surfaces can be contacted again with the first biocidal solution after the sealing step. A method for reactivating biocidal properties of the metallic products is also disclosed, and comprises contacting again the biocidal product with a second biocidal solution. Preferably, the second solution is less concentrated than the first solution for safety sake. The invention provides a simpler, quicker, cheaper and improved process for treating or reactivating the metallic surfaces in order to obtain a metallic product having superior and enduring biocidal properties.

21: 2022/07541. 22: 2022/07/07. 43: 2024/11/13
51: A61K; C07D; A61P
71: ECCOGENE INC.
72: ZHOU, Jingye, ZHU, Jiuxiang, ZHENG, Mingwei
33: WO 31: PCT/CN2020/071741 32: 2020-01-13
33: WO 31: PCT/CN2020/107757 32: 2020-08-07

54: SUBSTITUTED TRIAZINONES AS THYROID HORMONE RECEPTOR AGONISTS

00: -

The application relates to a compound of Formula (I') or (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof, which modulates the activity of thyroid hormone receptors, a pharmaceutical composition comprising a compound of Formula (I') or (I), and a method of treating or preventing a disease or disorder regulated by thyroid hormone.



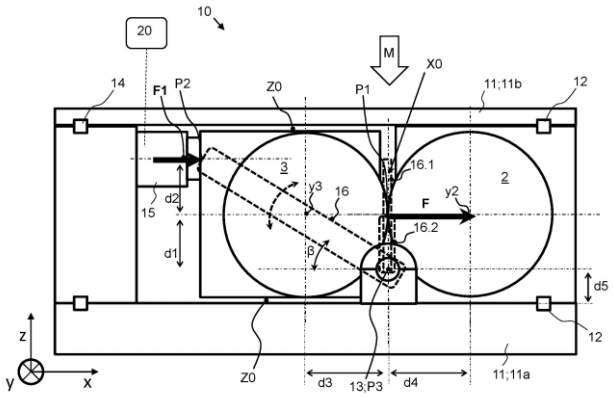
(I') (I)

21: 2022/07812. 22: 2022/07/13. 43: 2024/10/18
51: B02C
71: thyssenkrupp Industrial Solutions AG, thyssenkrupp AG
72: GUERRERO PALMA, Pedro
33: BE 31: 2020/5022 32: 2020-01-14
33: DE 31: 10 2020 200 401.3 32: 2020-01-14
33: BE 31: 2020/5020 32: 2020-01-14
33: BE 31: 2020/5023 32: 2020-01-14
33: DE 31: 10 2020 200 402.1 32: 2020-01-14
33: DE 31: 10 2020 200 404.8 32: 2020-01-14

54: DEVICE AND METHOD FOR MILLING INPUT MATERIAL

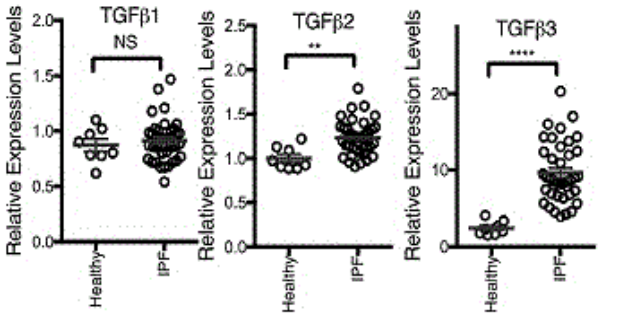
00: -

The invention relates to a roller press device (10) for milling input material (M), comprising: a fixedly mounted fixed roller (2) having a roller shaft (y2) mounted so as to be at least approximately in a fixed position; a loosely mounted loose roller (3) having a roller shaft (y3) that can be arranged in a variable position; a frame (11) supporting at least the fixed roller and optionally also the loose roller; at least one force application unit (15) acting on the loose roller at a force application point (P2); wherein the fixed and loose rollers can be mounted and positioned relative to one another for applying a milling force (F); wherein the loose roller (3) with the positionally variable roller shaft (y3) is mounted so as to pivot about a pivot axis (P3) in the manner of a one-sided lever (16) such that the relative position of the loose roller relative to the fixed roller can be defined by said pivot movement, the one-sided lever (16) being formed between the pivot axis (P3) and the force application point (P2). This brings about not only advantages in terms of design. Furthermore, the invention relates to a corresponding method for milling input material.

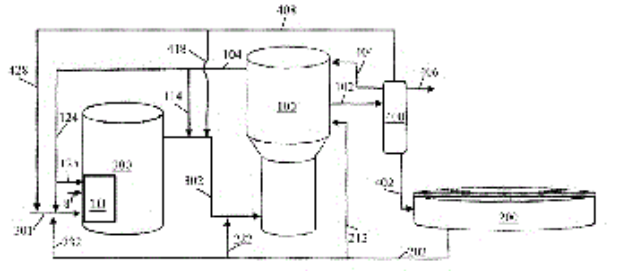


21: 2022/08421. 22: 2022/07/27. 43: 2024/10/28
51: A61K; C07D
71: Foghorn Therapeutics Inc.
72: ANTHONY, Neville John, VASWANI, Rishi G., MILLAN, David Simon, SCHILLER, Shawn E.R., WILSON, Kevin J.
33: US 31: 62/967,186 32: 2020-01-29
54: COMPOUNDS AND USES THEREOF
00: -
The present disclosure features compounds useful for the treatment of BAF complex-related disorders.

21: 2022/08598. 22: 2022/08/01. 43: 2024/10/09
51: A61P; C07K; C12Q; G01N
71: GENENTECH, INC.
72: LIANG, WEI-CHING, ARRON, JOSEPH R, DEPIANTO, DARYLE, HALPERN, WENDY GREEN, LIN, WEIYU, LUPARDUS, PATRICK J, RAMALINGAM, THIRUMALAI RAJAN, SESHASAYEE, DHAYA, SUN, TIANHE, TYAGI, TULIKA, WU, JIA, WU, YAN, YIN, JIAN PING
33: US 31: 62/991,806 32: 2020-03-19
33: US 31: 63/044,478 32: 2020-06-26
54: ISOFORM-SELECTIVE ANTI-TGF-BETA ANTIBODIES AND METHODS OF USE
00: -
The invention provides isoform-selective anti-TGFβ antibodies and methods of using the same. In particular, isoform-selective anti-TGFβ2, anti-TGFβ3, and anti-TGFβ2/3 monoclonal antibodies are provided, e.g., for the treatment of fibrosis and other TGFβ-related disorders.



21: 2022/08677. 22: 2022/08/03. 43: 2024/10/09
51: C10J; C12N
71: LANZATECH, INC.
72: GAO, ALLAN HAIMING, CONRADO, ROBERT JOHN
33: US 31: 62/990,148 32: 2020-03-16
33: US 31: 17/180,619 32: 2021-02-19
54: TAIL GAS OF GAS FERMENTATION TO DRY GASIFICATION FEEDSTOCK
00: -
The disclosure provides for the integration of a gas fermentation process with a gasification process whereby tail gas from the gas fermentation process is recycled to a dryer of the gasification process. The tail gas from the gas fermentation process is utilized to generate heat which in turn is used to dry feedstock to the gasification process. The heat is typically used to heat a drying gas, such as air, which is then directly or indirectly contacted with the gasification feedstock to dry the gasification feedstock. Dried gasification feedstock provides improved yield and improved quality of syngas as compared to gasification feedstock that is not dried.

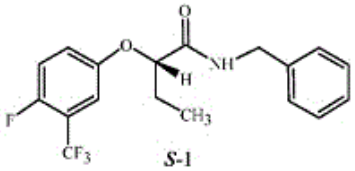


21: 2022/08856. 22: 2022/08/08. 43: 2024/10/09
51: C07C
71: CHEMINOVA A/S
72: CORBETT, RICHARD M, DATAR, RAVINDRA V, JAMANE, INDRAJEET M, MAO, JIANHUA, PATEL, SHAILESHKUMAR K, PENG, DONGJIE
33: US 31: 62/972,788 32: 2020-02-11

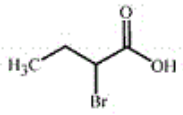
54: PROCESS FOR PREPARING S-BEFLUBUTAMID BY RESOLVING 2-BROMOBUTANOIC ACID

00: -

Disclosed is a method for preparing compound S-1 (S-1) comprising resolving compound rac-2 (rac-2) with a compound of Formula 3 wherein R^1, R^4, m and n are as defined in the disclosure.

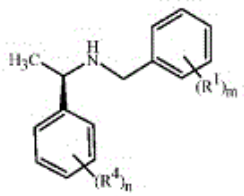


S-1



rac-2

Formula 3

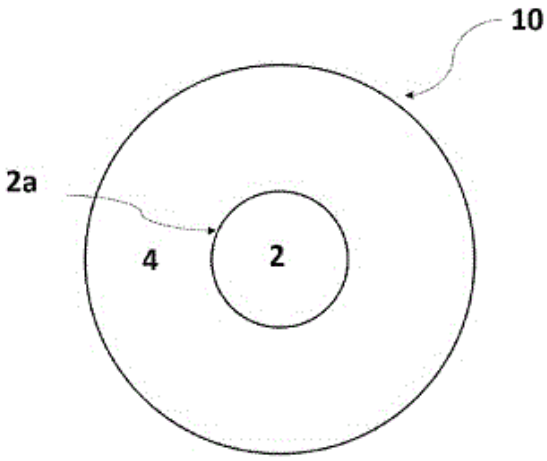


21: 2022/08944. 22: 2022/08/10. 43: 2024/10/09
51: C05G
71: SABIC GLOBAL TECHNOLOGIES B.V.
72: KORIPELLY, RAJAMALLESWARAMMA, HEGDE, RAVI, BURLA, SATISH, GUPTA, SAMIK
33: US 31: 62/983,166 32: 2020-02-28

54: STABILIZED UREA CONTAINING FERTILIZER BLENDS

00: -

A fertilizer blend containing 10 wt. % to 90 wt. % of a first particulate fertilizer composition and 10 wt. % to 90 wt. % of a second particulate fertilizer composition is disclosed. In the fertilizer blend, the second particulate fertilizer composition can be blended with the first particulate fertilizer composition. The first particulate fertilizer composition can include a core containing a binder, a pH buffering agent, and an urease inhibitor, and a shell containing urea, where the shell covers at least a portion of an outer surface of the core.

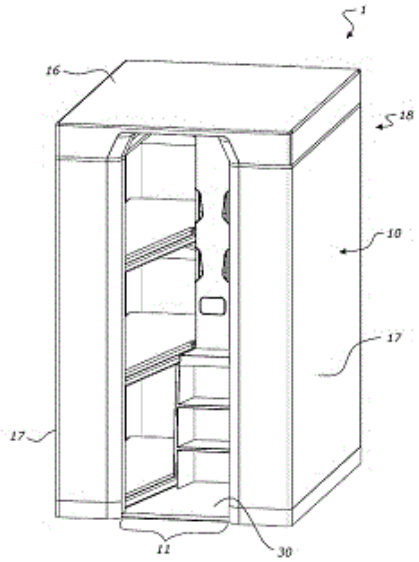


21: 2022/08945. 22: 2022/08/10. 43: 2024/10/09
51: B64D
71: AIR NEW ZEALAND LIMITED
72: CAMERON-DONALD, KATE ELIZABETH, WENN, ZOE MARIE-JOSEE JULIA
33: NZ 31: 761879 32: 2020-02-20

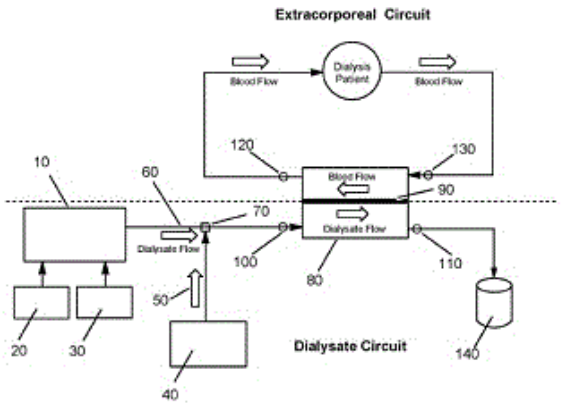
54: A MULTI-LAYER SLEEPING COMPARTMENT

00: -

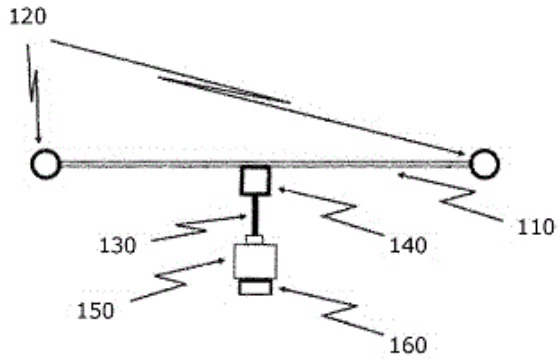
A multi-layer sleeping compartment for an aircraft is provided in order to more comfortable accommodate passengers to recline and sleep. The multilayer compartment houses a plurality of sleeping pods arranged either side of an entrance, and the sleeping compartment is generally aligned with a longitudinal axis of the aircraft. Further the pods may be booked for session times during the normal flight of an aircraft.



21: 2022/09104. 22: 2022/08/15. 43: 2024/10/09
51: C09K
71: HOPE MEDICAL ENTERPRISES, INC. DBA HOPE PHARMACEUTICALS
72: SHERMAN, CRAIG
33: US 31: 62/468,871 32: 2017-03-08
54: INTRADIALYTIC USE OF SODIUM THIOSULFATE
00: -
Provided herein are methods for maintaining physiological levels of thiosulfate in a subject undergoing hemodialysis. Also provided herein are methods of administering pharmaceutically acceptable sodium thiosulfate to a subject undergoing hemodialysis.



21: 2022/09568. 22: 2022/08/26. 43: 2024/10/09
51: A01D; A01G; G06T
71: YIELD SYSTEMS OY
72: NGUYEN, LINH, SEPPÄLÄ, SIMO, WAGNER, PAUL, JUNTUNEN, HARRI, GILLBERG, JUSSI
33: FI 31: 20205209 32: 2020-02-28
54: A PHENOTYPING DEVICE, METHOD AND SYSTEM FOR MEASURING PHENOTYPIC TRAITS OF ONE OR MORE PLANTS IN A TARGET CANOPY
00: -
A phenotyping device, method and system for measuring phenotypic traits of one or more plants in a target canopy, wherein the comprises a canopy spreader for spreading the target canopy, a camera unit, a means for controlling the angle and the distance of the camera unit in relation to the canopy spreader, an electronic control unit for controlling the camera unit. The phenotyping device, method and system enables recording the raw data from the target canopy during a data collection session comprising information of the plants that are not visible to a camera unit without spreading the canopy.



21: 2022/09569. 22: 2022/08/26. 43: 2024/10/09
51: A61F; B65H
71: RUGGLI AG
72: SCHULER, SAMUEL
33: CH 31: 00263/20 32: 2020-03-05
54: DEVICE AND METHOD FOR KNOTTING A THREAD END
00: -
The present invention provides a device for knotting loose thread ends for the production of tampons with retrieval threads, which is safe in operation as well as easy to maintain and capable of providing continuous high volume tampon production. The invention is not limited to the embodiment/s illustrated in the drawings. Accordingly, it should be understood that where features mentioned in the appended claims are followed by reference signs,

such signs are included solely for the purpose of enhancing the intelligibility of the claims and are in no way limiting on the scope of the claims.

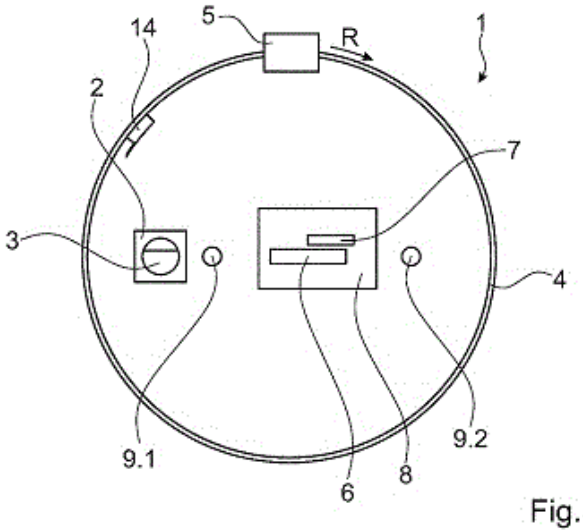


Fig. 1

21: 2022/09699. 22: 2022/08/30. 43: 2024/10/09
51: C07K
71: GAMMADELTA THERAPEUTICS LIMITED
72: POLYAKOVA, OXANA, NUSSBAUMER, OLIVER, HAYDAY, ADRIAN, VANTOUROUT, PIERRE
33: GB 31: 2002581.3 32: 2020-02-24
54: NOVEL ANTIBODIES
00: -
An isolated antibody or fragment thereof, which specifically binds to a gamma variable 4 (Vγ4) chain of a γδ T cell receptor (TCR) and not to a gamma variable 2 (Vγ2) chain of a γδ TCR is provided herein. Methods of treatment and other uses of said antibodies are also provided along with methods of producing said antibodies.

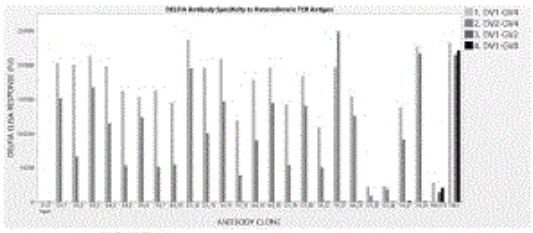


FIGURE 2A

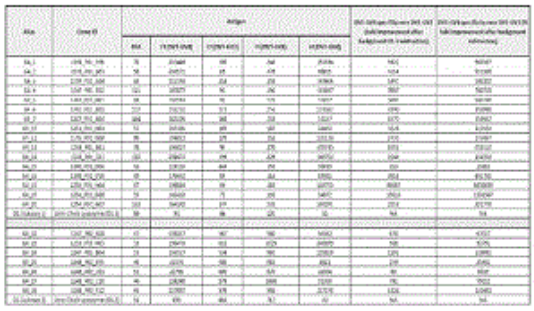
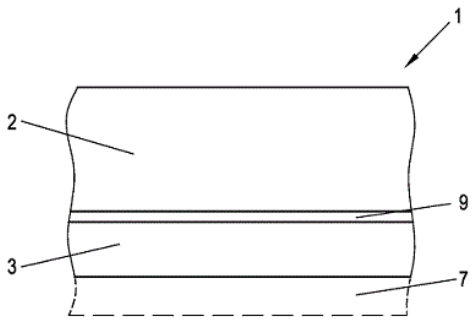


FIGURE 2B

21: 2022/09965. 22: 2022/09/07. 43: 2024/09/25
51: B32B
71: CONSTANTIA PIRK GMBH & CO. KG
72: GREFENSTEIN, Achim, JONES, Dudley, BÜTTNER, Stefan
33: AT 31: A50116/2020 32: 2020-02-18
54: RECYCLABLE PAPER PACKAGING WITH HIGH BARRIER TO WATER VAPOR AND OXYGEN
00: -
A recycling-friendly, easily producible paper packaging laminate with a high barrier to water vapor, oxygen and/or aromas is characterized in that a barrier film (3) comprises at least a substrate layer (4), joining layer (5) and barrier layer (6), wherein the joining layer (5) is arranged between the substrate layer (4) and the barrier layer (6), in that the substrate layer (4) consists predominantly of polyethylene or polypropylene with a polyethylene fraction or a polypropylene fraction of at least 60% by weight of the substrate layer (4), in that at least the at least one substrate layer (4) of the barrier film (3) is stretched, in that the proportion of the paper layer (2) is between 50% by weight and 90% by weight of the paper packaging laminate (1), and in that the barrier film (3) is joined to the paper layer (2) by a hydrophilic adhesive layer (9), wherein the side of the paper layer (2) facing the barrier film (3) is uncoated.

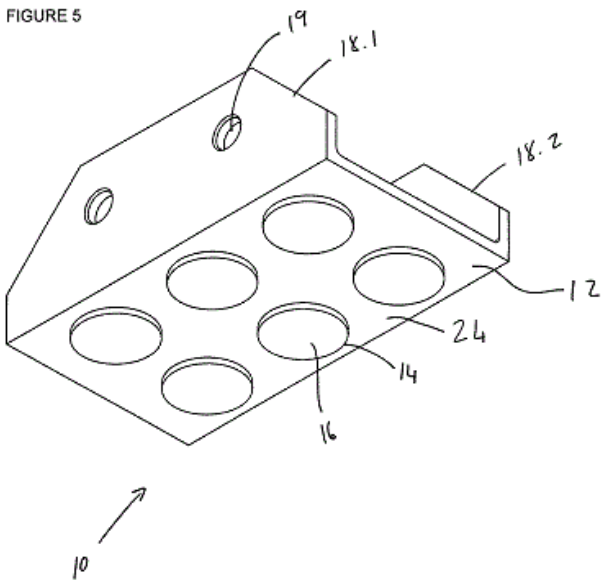


21: 2022/10200. 22: 2022/09/14. 43: 2024/10/24
51: B61F
71: LEGER, Jean-Patrick
72: LEGER, Jean-Patrick
33: ZA 31: 2020/01068 32: 2020-02-20
33: ZA 31: 2020/02795 32: 2020-05-15

54: A PEDESTAL LINER

00: -

According to the invention there is provided a pedestal liner (10) which includes an elongate body (12) and a bearing formation (14) mountable about the elongate body (12) for in use, defining a bearing surface (16) of the elongate body (12), and wherein the bearing formation (14) has a coefficient of friction value less than that of the elongate body (12).



21: 2022/10482. 22: 2022/09/21. 43: 2024/09/25
51: C04B
71: thyssenkrupp Industrial Solutions AG
72: LAPPE, Thomas, WILLMS, Eike
33: BE 31: 2020/5226 32: 2020-04-08
33: DE 31: 10 2020 204 519.4 32: 2020-04-08

54: METHOD AND DEVICE FOR THE PRODUCTION OF CEMENT CLINKER

00: -

The invention relates to a method for producing cement clinker, said method comprising the steps of: - preheating raw meal in a preheater (12), - calcining the preheated raw meal in a calciner (14), - burning the preheated, calcined raw meal in a kiln (16) to obtain cement clinker, - cooling the cement clinker in a cooler (18), - withdrawing, as a bypass gas, some of the exhaust gases flowing out of the kiln (16), - cooling the bypass gas in a mixing chamber (60) using a cooling gas, and - separating dust contained in the bypass gas, wherein at least some or all of the cooling gas is formed from the bypass gas and/or the exhaust gas from the calciner, and wherein the cooling gas is introduced into the mixing chamber (60) at a ratio of 2-10 to 1 in relation to the bypass gas.

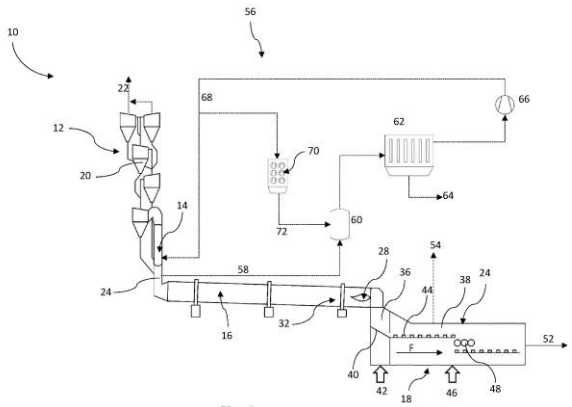


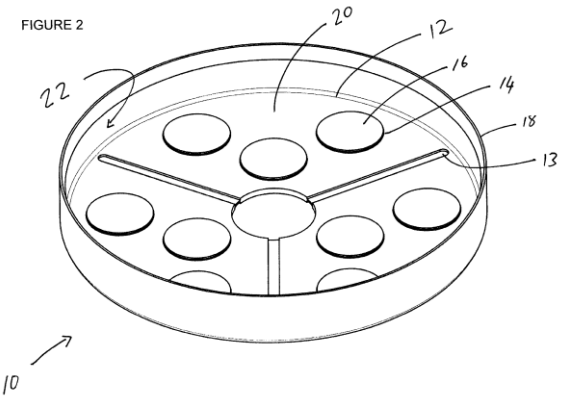
Fig. 1

21: 2022/10727. 22: 2022/09/28. 43: 2024/10/24
51: B61F
71: LEGER, Jean-Patrick
72: LEGER, Jean-Patrick
33: ZA 31: 2020/01400 32: 2020-03-05

54: A CENTRE PIVOT LINER

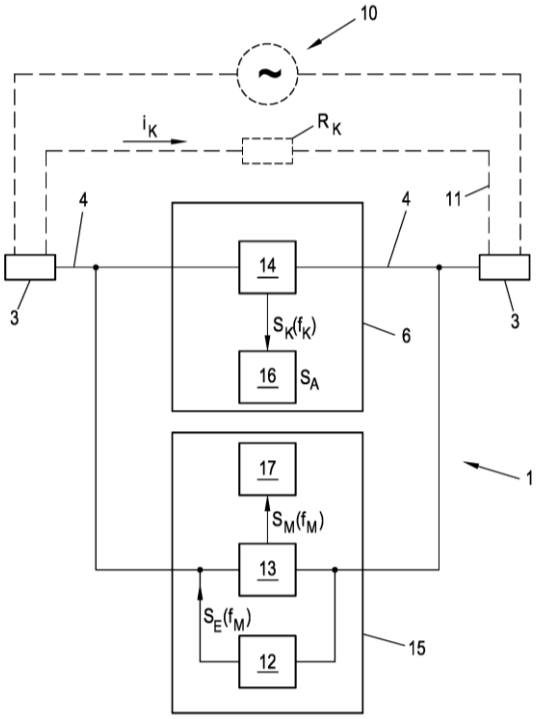
00: -

A centre pivot liner (10) which includes a body (12), and a bearing formation (14) mountable about the body (12) for in use, defining a bearing surface (16) of the centre pivot liner (10) and wherein the bearing formation (14) has a coefficient of friction value less than that of the body (12).



21: 2022/10910. 22: 2022/10/04. 43: 2024/11/22
51: A47G; B64D; B64F
71: O'TOOLE, Daniel, S
72: O'TOOLE, Daniel, S
33: US 31: 63/012,824 32: 2020-04-20
54: HOT AND COLD SECTION DRONE DOCKING STATION TEMPERATURE CONTROLLED DEVICE
00: -
Disclosed herein is a drone docking station for deposit of items/goods delivered to a receptacle at a curb, mailbox, post, porch, mobile units, an window for a multi-parcel receptacle with a set of drawers with hot and cold sections in the station that has a specific residential/commercial address with various optional features. Features includes communication systems between the station and drone; security; hot and cold temperature control and preservation of the goods before and after delivery; battery charging and exchange station; a collector to identify explosive materials, anthrax etc.; ultraviolet system to eradicate disease, virus and harmful materials; weather monitoring; tag and track vehicles and packages; facial recognition camera and software for pets and humans; and local tow-way speakers; LED lights that strobe flash, and a flood light.

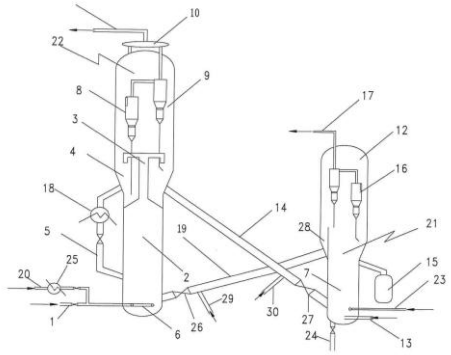
21: 2022/10939. 22: 2022/10/05. 43: 2024/10/09
51: H02H G01R
71: ADAPTIVE REGELSYSTEME GESELLSCHAFT M.B.H.
72: HOLZTRATTNER, Dietmar, ALTENBUCHNER, Michael
33: AT 31: A50210/2020 32: 2020-03-12
54: SAFETY DEVICE FOR WORK ON ELECTRICAL SYSTEMS
00: -
The aim of the invention is to prevent undesired false triggering of a safety device, which protects a person from electric shock as a result of unintentional contact with voltage-carrying or current-carrying parts. This aim is achieved in that a triggering sensitivity (EA) of the safety device (1) is changed according to a determined body resistance (RK) of the person (8) wearing the safety device (1).



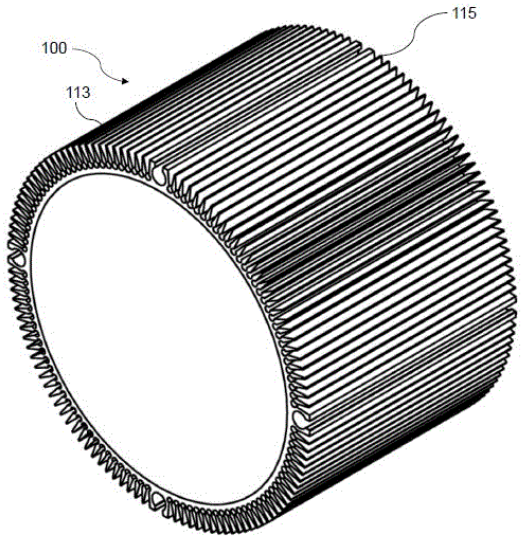
21: 2022/11257. 22: 2022/10/13. 43: 2024/10/28
51: A61K A61P
71: CARROLL, Noel
72: CARROLL, Noel
33: GB 31: 2004022.6 32: 2020-03-19
33: GB 31: 2017046.0 32: 2020-10-27
33: GB 31: 2020747.8 32: 2020-12-30
33: GB 31: 2102819.6 32: 2021-02-26
54: COMPOSITION
00: -
A pharmaceutical composition for use in the treatment of a viral infection, the composition comprising bicarbonate of soda and/or magnesium carbonate.

21: 2022/11415. 22: 2022/10/18. 43: 2024/12/04
51: B01J; C07C
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SHANGHAI RESEARCH

INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC
72: ZONG, Hongyuan, QI, Guozhen, CAO, Jing, WANG, Hongtao, YU, Zhinan, ZHENG, Yijun
33: CN 31: 202010193702.1 32: 2020-03-19
54: METHANOL-TO-OLEFIN CONVERSION METHOD
00: -
Disclosed is a methanol-to-olefin conversion method, comprising: introducing a raw material comprising methanol into a fluidized bed reactor to make same come into contact with a catalyst in order to produce an olefin product, wherein this process at least partly deactivates the catalyst to form an at least partially deactivated catalyst; and introducing the catalyst to be generated from the at least partially deactivated catalyst into a regenerator for regeneration, thereby forming a regenerated catalyst, and returning the activated catalyst derived from the regenerated catalyst to the reactor via a regenerated catalyst pipeline, characterized in that in the regenerated catalyst pipeline, the content by volume of oxygen in a gas phase component at an outlet of the regenerated catalyst pipeline is controlled to be less than 0.1%, preferably less than 0.05%, and more preferably less than 0.01%.



21: 2022/12950. 22: 2022/11/29. 43: 2024/10/07
51: H01L; H02K; H05K
71: ETA Green Power Limited
72: MORGAN, David, BOWMAN, Liam
33: GB 31: 2117309.1 32: 2021-11-30
54: HEATSINK
00: -
Disclosed herein is a heatsink for removing heat from a heat source. The heatsink comprises a surface for placing adjacent to the heat source comprising a plurality of cavities formed into the surface, the plurality of cavities open on a side of the surface away from the side of the surface for placing adjacent to the heat source, and a plurality of projections, each projection extending from the surface adjacent to a corresponding cavity. Each cavity comprises a throat region configured to restrict the flow of air between each respective cavity and the region between a corresponding pair of projections extending from the surface adjacent to the cavity.



21: 2023/00390. 22: 2023/01/09. 43: 2024/09/26
51: B05B; B08B; F26B
71: Airffect GmbH
72: PASCHING, Andreas
33: AT 31: A 00127/2020 32: 2020-06-10
54: FLAT NOZZLE DEVICE
00: -
The invention relates to a flat nozzle device (1) for ejecting compressed air out of a hand-held blowing device (20) onto a surface to be dried, comprising a flat nozzle (3) with an air outlet-side flat nozzle slot (4) which forms an outlet opening for the flat nozzle (3), an air inlet-side air connection, and a transition section (9) which is arranged between the flat nozzle slot (4) and the air connection and which has a through-flow cross-section that narrows in the direction of the flat nozzle slot (4), wherein a reinforcing element (15) is provided which surrounds the outlet opening.

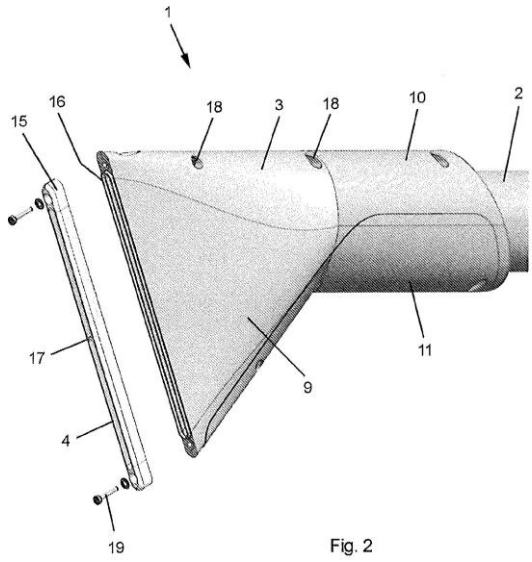


Fig. 2

21: 2023/00440. 22: 2023/01/10. 43: 2024/10/25
51: G06K
71: ZTE CORPORATION
72: DING, Zhaozhen, HOU, Chunhua, SHEN, Guang
33: CN 31: 202010587883.6 32: 2020-06-24
54: FACIAL RECOGNITION METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -

A facial recognition method, an electronic device, and a storage medium. The method comprises: extracting, from a video stream, multiple facial image frames comprising a target face (S100); separately performing facial feature extraction on the multiple facial image frames to obtain a first facial feature (S200); performing feature enhancement on the first facial feature, and fusing the enhanced first facial feature to obtain a second facial feature (S300); and comparing the second facial feature with a pre-stored third facial feature to determine a facial recognition result (S400).

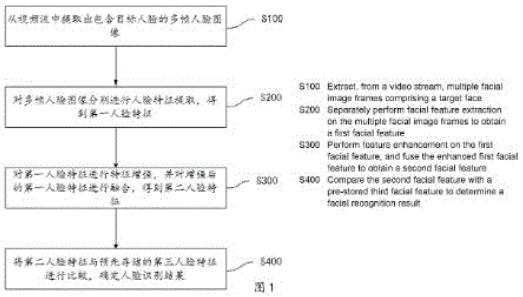


图 1

21: 2023/00449. 22: 2023/01/10. 43: 2024/10/25
51: G01R
71: OMICRON electronics GmbH
72: BISCHOF, Thomas, GOPP, David
33: AT 31: A50607/2020 32: 2020-07-13
54: METHOD AND APPARATUS FOR DETERMINING A STATE OF A CAPACITIVE VOLTAGE TRANSFORMER
00: -

The present invention relates to a method for determining a state of a capacitive voltage transformer (50) which, on its primary side, comprises a capacitive voltage divider having a first capacitor (C_1) and a second capacitor (C_2). The first capacitor (C_1) has a high-voltage connection (HV) for connection to a high voltage (60) and the second capacitor (C_2) has a ground connection (NHF). A first resonant frequency (ωe) is determined by way of a plurality of first short-circuit impedance measurements at different frequencies on a secondary side of the capacitive voltage transformer (50) while the high-voltage connection (HV) is connected to earth (70). A second resonant frequency (ω_2) is determined by way of a plurality of second short-circuit impedance measurements at different frequencies on the secondary side of the capacitive voltage transformer (50) while the high-voltage connection (HV) is open. A capacitance ratio (K_C) of the capacitive voltage divider (50) is determined on the basis of the first resonant frequency (ω_e) and the second resonant frequency (ω_2).

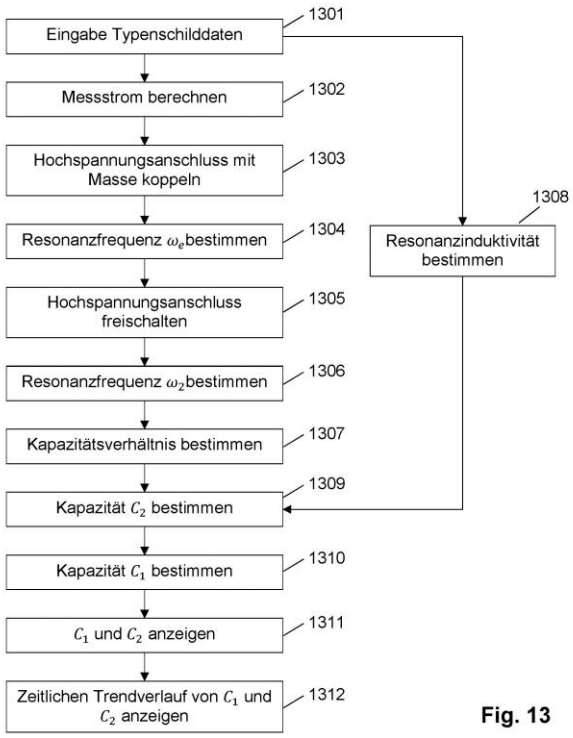
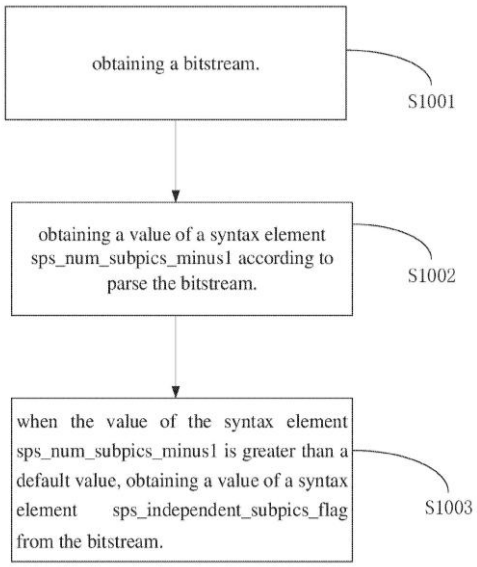


Fig. 13

1301 Input nameplate data
1302 Calculate measurement current
1303 Couple high-voltage connection to earth
1304 Determine resonant frequency ωe
1305 Enable high-voltage connection
1306 Determine resonant frequency ω2
1307 Determine capacitance ratio
1308 Determine resonant inductance
1309 Determine capacitance C2
1310 Determine capacitance C1
1311 Display C1 and C2
1312 Display temporal trend of C1 and C2

21: 2023/00525. 22: 2023/01/12. 43: 2024/10/25
51: H04N
71: Huawei Technologies Co., Ltd.
72: WANG, Biao, ESENLIK, Semih, KOTRA, Anand Meher, GAO, Han, ALSHINA, Elena Alexandrovna
33: PCT/EP(DE) 31: 2020/053465 32: 2020-02-11
54: AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR SUBPICTURE SIGNALLING IN SEQUENCE PARAMETER SET
00: -
A method of coding implemented by a decoding device, a decoder, an encoder are disclosed, the method comprising: obtaining a bitstream; obtaining a value of a syntax element sps_num_subpics_minus1 according to parse the bitstream; when the value of the syntax element sps_num_subpics_minus1 is greater than a preset value, obtaining a value of a syntax element sps_independent_subpics_flag from the bitstream.



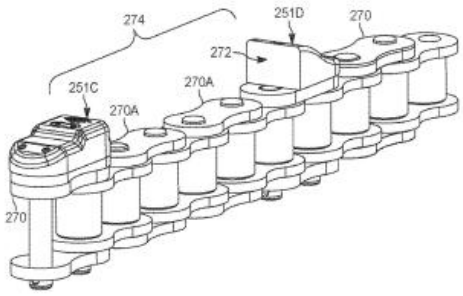
21: 2023/00771. 22: 2023/01/17. 43: 2024/10/25
51: B29C; C08K; C08L; G02B
71: Asahi Kasei Kabushiki Kaisha
72: TSUJIMOTO , Katsura
33: JP 31: 2020-137106 32: 2020-08-14
54: METHACRYLIC RESIN COMPOSITION AND MOLDED ARTICLE
00: -
The purpose of the present invention is to provide: a methacrylic resin composition which transmits light well, while having excellent properties that enable sufficient diffusion of light, and which exhibits good thermal deformation resistance and long-term usability; and a molded body. A methacrylic resin composition which is characterized by containing, relative to 100 parts by mass of a methacrylic resin, from 0.5 part by mass to 6 parts by mass of a light-diffusing filler that has an average particle diameter of from 0.2 μm to 10 μm, and from 0.005 part by mass to 0.3 part by mass of an ultraviolet absorbent, and which is also characterized by having a midpoint glass transition temperature of 105°C or higher.

21: 2023/01039. 22: 2023/01/24. 43: 2024/10/08
51: G01B; G01D
71: U.S. Tsubaki Holdings, Inc.
72: MONTY, Charles R., LEDUC, Brian, GORMAN, Paul, HOGAN, Robert J., HOGAN, Michael C., HARRIS, Daniel, AUDETTE, Joseph
33: US 31: 63/047,564 32: 2020-07-02

54: CHAIN MONITORING SYSTEMS AND METHODS

00: -

The present disclosure relates to chain monitoring systems and methods. In particular, the chain monitoring system is configured to mount onto a portion of a chain and measure one or more parameters associated with one or more characteristics of the chain. The measured parameters are processed by the chain monitoring system and/or transmitted to a remote system for analysis. The analysis may be used to determine a characteristic and/or change in the characteristic of the chain. In some examples, the characteristic is an elongation value associated with the chain, which can be transmitted to a networked system for analysis, display, and/or control. In some examples, a sensor can be employed to measure one or more characteristics of the chain. The sensor may include, but is not limited to, a strain gauge, an accelerometer, an optical, a sonic, and/or a magnetic sensor.

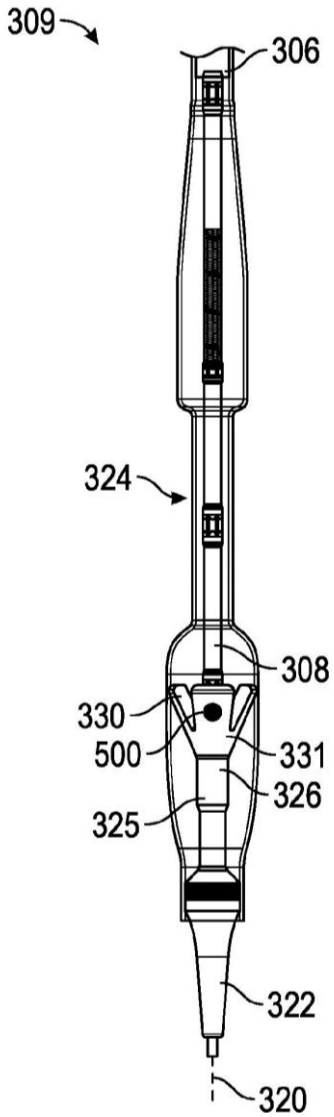


21: 2023/01543. 22: 2023/02/07. 43: 2024/09/27
51: A61F
71: Edwards Lifesciences Corporation
72: BIALAS, Michael R., HICKS, Kristen, MURAD, Michael C., SENESH, Gil, ANGELICO, Gonzalo German, CERQUEIRA, Carla Susana, LOW, Victoria Mariko, FERNANDEZ, Andrea, BRITZMAN, Karl J., HOYE, Shannon Nicole, WHITEHEAD, Haley Nicole
33: US 31: 63/069,567 32: 2020-08-24

54: METHODS AND SYSTEMS FOR ALIGNING A COMMISSURE OF A PROSTHETIC HEART VALVE WITH A COMMISSURE OF A NATIVE VALVE

00: -

Methods and systems for rotationally aligning a commissure of a prosthetic heart valve with a commissure of a native valve are disclosed. As one embodiment, a delivery apparatus can include a first shaft that is configured to rotate around a central longitudinal axis of the delivery apparatus; a second shaft extending through the first shaft and having a distal end portion extending distally beyond a distal end portion of the first shaft; an inflatable balloon coupled to the distal end portion of the first shaft; and a shoulder arranged within the balloon and a radiopaque marker mounted on or embedded within the shoulder at a location spaced radially outward from an outer surface of the distal end portion of the second shaft. The marker can be reflection asymmetric along an axis that is parallel to the central longitudinal axis.



21: 2023/02526. 22: 2023/02/24. 43: 2024/10/08

51: A63H
71: SCHULZ, Harald Martin
72: SCHULZ, Harald Martin, SCHULZ, Eva Marion, ROHLAND, Charles John Max
33: ZA 31: 2021/09446 32: 2021-11-24
54: ARCHITECTURAL TOY CONSTRUCTION KIT
00: -
An architectural toy construction kit is disclosed comprising a plurality of paper or cardboard tubes, each of which can be cut and sized to a required length; and a plurality of flexible and/or resilient connector inserts, typically made from rubber or any other suitable environmentally friendly material, which can be friction fitted into the open ends of the tube, to enable adjacent tubes or connector inserts to be joined together, to enable a desired structure or model to be assembled. In an embodiment, the kit may comprise a plurality of flexible and/or resilient connectors, typically also made from rubber or any other suitable environmentally friendly material, each of which can be friction fitted to an adjacent connector insert or connector.

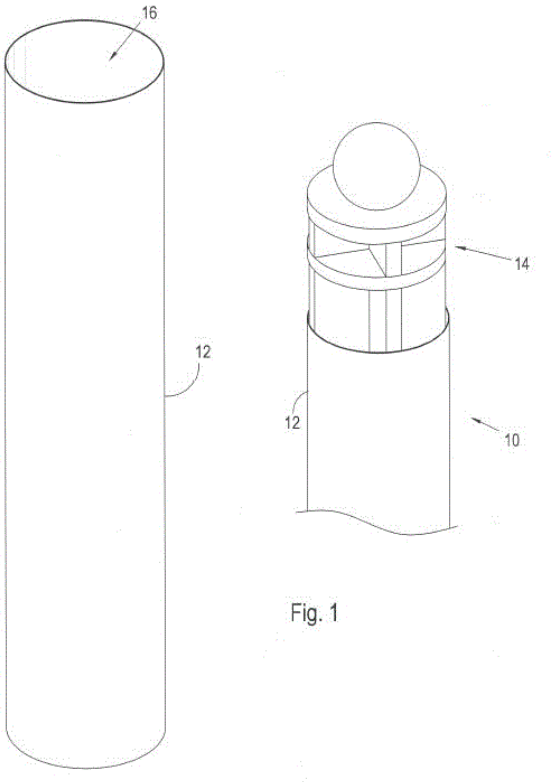
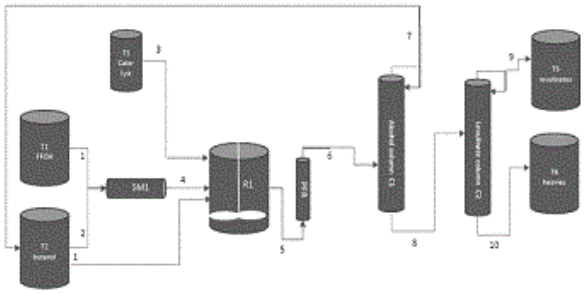


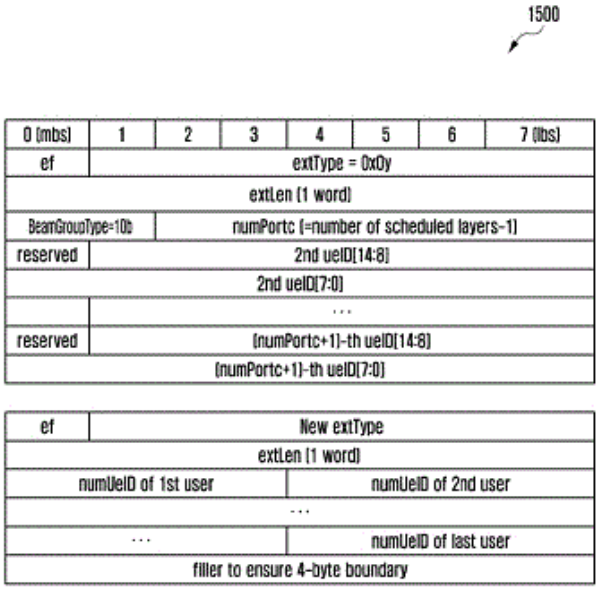
Fig. 1

21: 2023/03422. 22: 2023/03/08. 43: 2024/10/22
51: C07C
71: GFBIOCHEMICALS IP ASSETS B.V.
72: PARTON, Rudy, DE RIJKE, Arie
33: EP 31: 20191220.1 32: 2020-08-14
54: A PROCESS FOR THE CONVERSION OF FURFURYL ALCOHOL INTO A LEVULINATE ESTER
00: -
The invention relates to a process for the conversion of furfuryl alcohol into a levulinate ester comprising contacting furfuryl alcohol; an alcohol, or a mixture thereof; and a homogeneous catalyst at a first reaction temperature in the range of from 125 to 180º C to form a reaction mixture; and forming the levulinate ester in the reaction mixture, characterised in that the first homogeneous catalyst is a sulfonic acid catalyst.



21: 2023/03446. 22: 2023/03/09. 43: 2024/10/09
51: H04B
71: SAMSUNG ELECTRONICS CO., LTD.
72: JONGHWAN KIM, SEIJOON SHIM, JONGHO OH, KILSIK HA
33: KR 31: 10-2020-0120102 32: 2020-09-17
33: KR 31: 10-2021-0014497 32: 2021-02-02
54: TRANSMISSION METHOD AND APPARATUS FOR MIMO SYSTEM
00: -
A communication technique for convergence between an IoT technology and a 5th generation (5G) communication system for supporting a higher data transmission rate beyond a 4th generation (4G) system, and a system thereof is provided. The method includes intelligence services (for example, smart homes, smart buildings, smart cities, smart cars or connected cars, healthcare, digital education, retail businesses, security and safety related services, and the like.) On the basis of a 5G communication technology and an IoT-related technology. A method includes determining a scheduling-related parameter for at least one user, and transmitting scheduling information indicating

the scheduling-related parameter to a radio unit (RU), wherein the scheduling information includes a first section extension field including information relating to a user equipment identifier (ueID) related to the at least one user, and a second section extension field including information relating to a number of ueIDs corresponding to each user.

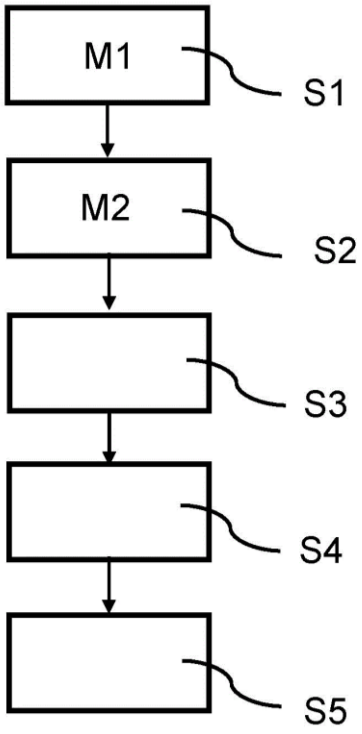


21: 2023/04149. 22: 2023/04/04. 43: 2024/09/25
51: B61L
71: Sensonic GmbH
72: HAID, Sebastian, ZEILINGER, Rene
33: EP(AT) 31: 20200042.8 32: 2020-10-05

54: METHOD FOR MONITORING A RAILWAY TRACK AND MONITORING UNIT FOR MONITORING A RAILWAY TRACK

00: -

A method for monitoring a railway track (29) is provided, the method comprising: detecting a first monitoring signal (M1) by a distributed acoustic sensor (20) at an initial position (21) while a rail vehicle passes the initial position (21), wherein the distributed acoustic sensor (20) is arranged along the track (29), detecting a second monitoring signal (M2) by the distributed acoustic sensor (20) at at least one predefined position (22) along the track (29) while a rail vehicle passes the predefined position (22), comparing the first monitoring signal (M1) and the second monitoring signal (M2) with each other, wherein the first monitoring signal (M1) comprises features (23) that each relate to one axle of the rail vehicle passing the initial position (21) and the second monitoring signal (M2) comprises features (23) that each relate to one axle of the rail vehicle passing the predefined position (22), and comparing the first monitoring signal (M1) and the second monitoring signal (M2) with each other comprises counting the features (23) relating to axles of the respective passing rail vehicle for the first monitoring signal (M1) and the second monitoring signal (M2). Furthermore, a monitoring unit (24) for monitoring a railway track (29) is provided.



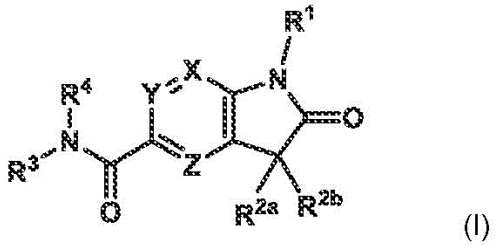
21: 2023/04150. 22: 2023/04/04. 43: 2024/10/24
51: A61K; A61P; C07D
71: Merck Sharp & Dohme LLC
72: LIM, Yeon-Hee, BAO, Jianming, ROANE, James P.
33: US 31: 63/089,063 32: 2020-10-08

54: PREPARATION OF OXINDOLE DERIVATIVES AS NOVEL DIACYLGLYCERIDE O-ACYLTRANSFERASE 2 INHIBITORS

00: -

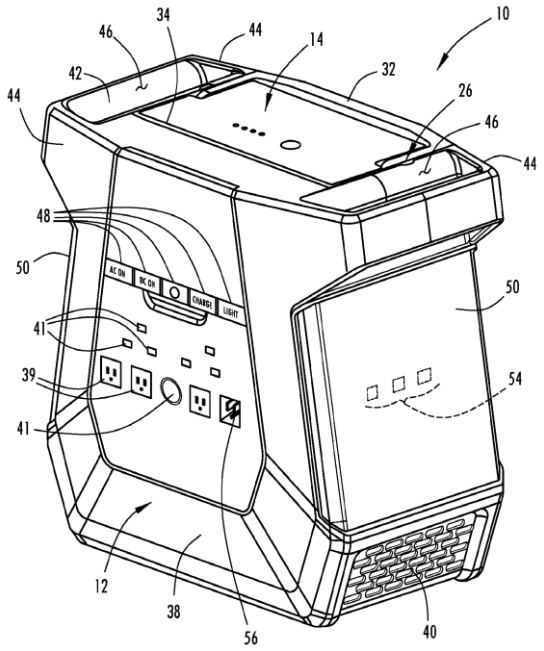
Invented are compounds of formula (I) and the pharmaceutically acceptable salts, esters, and prodrugs thereof, which are DGAT2 inhibitors. Also provided are methods of making compounds of

Formula (I), pharmaceutical compositions comprising compounds of Formula(I), and methods of using these compounds to treat hepatic steatosis, nonalcoholic steatohepatitis (NASH), fibrosis, type-2 diabetes mellitus, obesity, hyperlipidemia, hypercholesterolemia, atherosclerosis, cognitive decline, dementia, cardiorenal diseases such as chronic kidney diseases and heart failure and related diseases and conditions, comprising administering a compound of Formula (I) to a patient in need thereof.



(I)

21: 2023/04437. 22: 2023/04/14. 43: 2024/10/24
51: H02J
71: WORKSPORT LTD.
72: LOUDON, Jonathan, RICHARDSON, Julian, MACDONALD, Jason, ROSSI, Steven
33: US 31: 63/175,860 32: 2021-04-16
54: PORTABLE POWER SYSTEM
00: -
A portable power system for powering an appliance connected thereto. The portable power system includes an inverter unit and a rechargeable primary energy storage unit having a first energy storage capacity. The inverter unit includes an inverter, a power outlet, and portions defining a receptacle space configured to releasably receive the primary energy storage unit therein. The inverter unit and the primary energy storage unit are configured to be electrically connected together when the primary rechargeable energy storage unit is received within the receptacle space and to provide electric power to the power outlet. The inverter unit also including a short term energy storage device that is configured to provide electric power to the power outlet and a connected appliance when the primary energy storage unit is released and removed from the inverter unit.



21: 2023/04777. 22: 2023/04/25. 43: 2024/10/25
51: H04N
71: QUALCOMM Incorporated
72: LI, Jingya, SEREGIN, Vadim, KARCZEWICZ, Marta
33: US 31: 63/129,004 32: 2020-12-22
54: DECODER SIDE INTRA MODE DERIVATION FOR MOST PROBABLE MODE LIST CONSTRUCTION IN VIDEO CODING
00: -
An method of decoding video data includes deriving, for a current block of video data and using decoder side intra mode derivation (DIMD), a list of intra modes using reconstructed samples of neighboring blocks; constructing, for the current block, a most probable mode (MPM) list, wherein constructing the MPM list comprises inserting, into the MPM list, at least one intra mode from the derived list of intra modes; and predicting, using a candidate selected from the constructed MPM list, the current block.

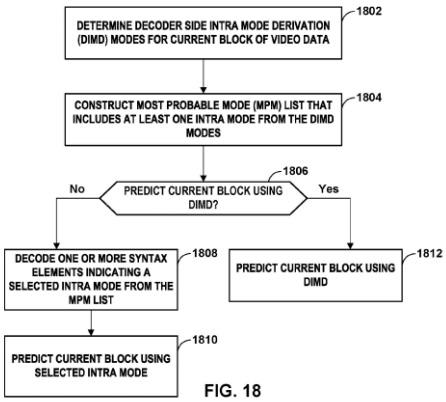
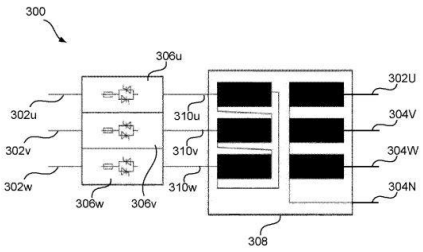
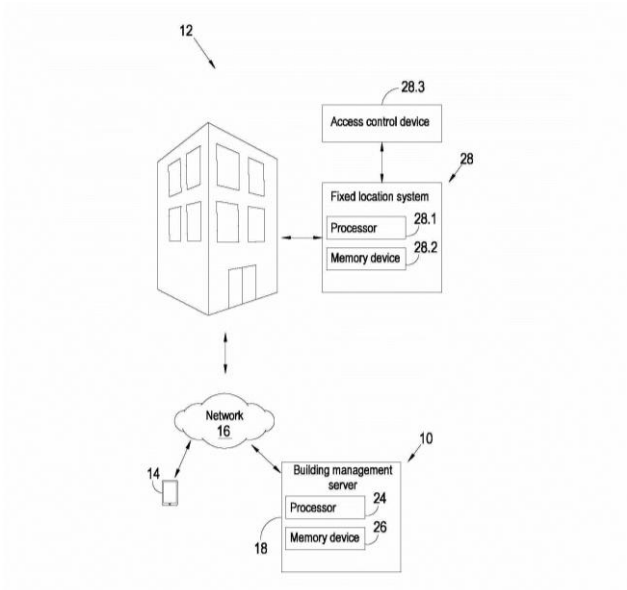


FIG. 18

21: 2023/04811. 22: 2023/04/26. 43: 2024/09/19
51: B01J
71: LINDE GMBH, BASF SE
72: LANG, Christian, HOFSTÄTTER, Martin, ZELLHUBER, Mathieu, WELLENHOFER, Anton, STEGEMANN, Robert, REISER, Peter, FLEISCHMANN, Niklas, ZIEGLER, Christian, POSSELT, Heinz, DELHOMME-NEUDECKER, Clara, SHUSTOV, Andrey, JENNE, Eric, KÜHN, Heinz-Jürgen, KOCHENDÖRFER, Kiara Aenne, LAIB, Heinrich, JACOB, Reiner
33: EP 31: 20198794.8 32: 2020-09-28
54: DEVICE AND METHOD FOR CONTROLLABLY CARRYING OUT A CHEMICAL REACTION
00: -
A chemical reaction is performed in a reactor having tubes comprising electrically heatable sections. Current terminals are provided which, in a supply region, are each connected to at least one of the sections. In an output region each of the sections is connected to a connection element. The reaction is one of steam cracking, steam reforming, dry reforming, propane dehydration and a hydrocarbon reaction at more than 500°C. Fluid is conducted through the tubes, and variable voltages are provided at the current terminals as phases of a multiphase alternating voltage, such that the at least one connection element forms a star point. The voltage or voltages is or are set and one or more values corresponding to one or several measurement variables are measured. The set voltages are changed such that these values correspond to predefined values or value ranges. A corresponding device is also provided.

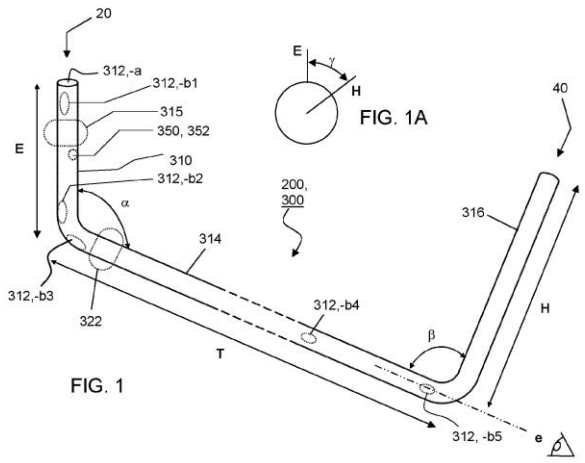


21: 2023/04851. 22: 2023/04/28. 43: 2024/10/08
51: G06F; G06Q
71: Homii Life Style (Pty) Ltd
72: CHETTY, Leo
33: ZA 31: 2022/01264 32: 2022-01-27
54: BUILDING MANAGEMENT SYSTEM AND METHOD
00: -
This invention relates to a computer-implemented building management system and method. The system comprises a processor; and a memory device containing instructions which are arranged to cause the processor to collect a request from a user that wishes to occupy a building or extend the period of occupancy in a building; authorize the request to occupy the building or extend the period of occupancy in the building; collect data related to the authorized user's interaction with the building; and advantageously optimize the user's experience with the building, based on the collected data.

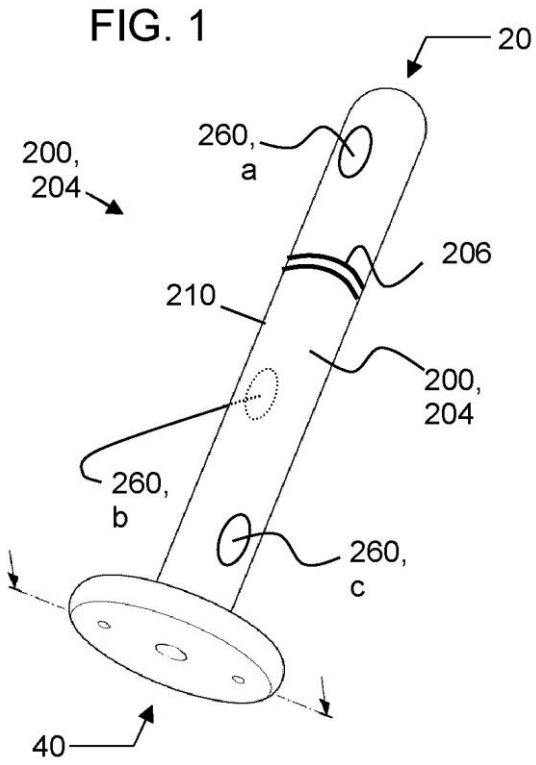


21: 2023/04929. 22: 2023/05/03. 43: 2024/10/28
51: A61B; A61N
71: PELVIRAY IP LTD

72: POPOWSKI, Georg
33: EP 31: 20209528.7 32: 2020-11-24
54: SYSTEM AND METHOD FOR REPEATABLE ALIGNMENT OF BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT
00: -
Provided herein is radiotherapy treatment system (100) for assisting treatment of a subject in an external radiotherapy programme comprising one or more external radiotherapy treatment sessions, the system (100) comprising a robotic arm, RA, (400, 400a) having a base end (422, 422a) and an effector end and a steering guide (300) having a proximal (40) and distal (20) end comprising a rigid effector shaft (310) at the distal end (20) configured for insertion into the canal (602) of the subject (50), or for attachment to an inserter (204) configured for insertion into the canal (602) of the subject (50), wherein the positioning tool (200) is configured to move and/or fix the canal (602) for the external radiotherapy treatment session responsive to movements of the robotic arm.

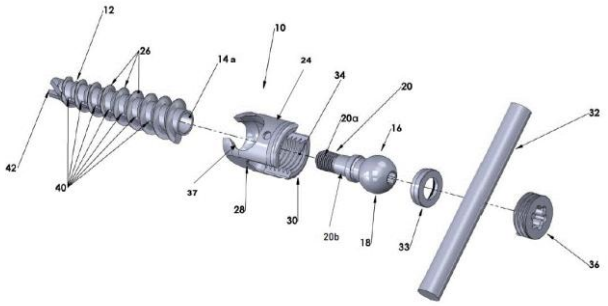


21: 2023/04937. 22: 2023/05/03. 43: 2024/10/24
51: A61B; A61N
71: PELVIRAY IP LTD
72: POPOWSKI, Georg
33: EP 31: 20209534.5 32: 2020-11-24
54: DEVICE FOR REPRODUCABLE ALIGNMENT OF BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT
00: -
Provided is a positioning tool (200) for assisting treatment of a subject in an external radiotherapy programme comprising two or more external radiotherapy treatment sessions comprising: a steering guide (300) having a rigid handle portion (316) disposed at the proximal end (40) in fixed relation to an effector shaft (310) for controlling the position and/or direction of the effector shaft (310), wherein the handle portion (316) is provided with a grip locator (300) configured for position-repeatable co-operation with a gripper (432) of a robotic arm (400), wherein the gripper (432) has an open state and a closed state; wherein the grip locator (300) is configured to be seated within the gripper (432) in the closed state, in which movements of the seated grip locator (300) relative to the gripper (432) are limited and prevented.

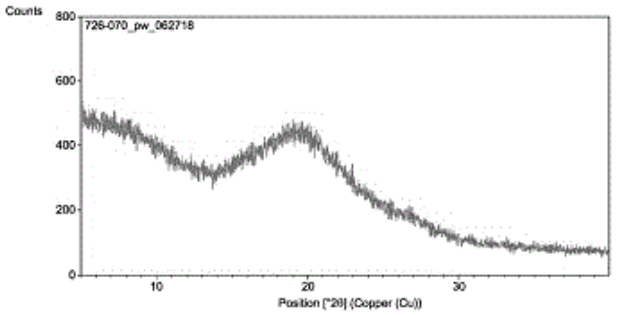


21: 2023/05052. 22: 2023/05/08. 43: 2024/10/24
51: A61F
71: ORTHO-CENTRIC INNOVATIONS (PTY) LTD
72: O'TOOLE, John, James
33: ZA 31: 2022/04682 32: 2022-04-28
54: PEDICLE SCREW
00: -
The invention provides a pedicle screw. The pedicle screw includes a threaded shank part, which is provided with an axial female threaded socket sunk from its upper end, and a screw head part which

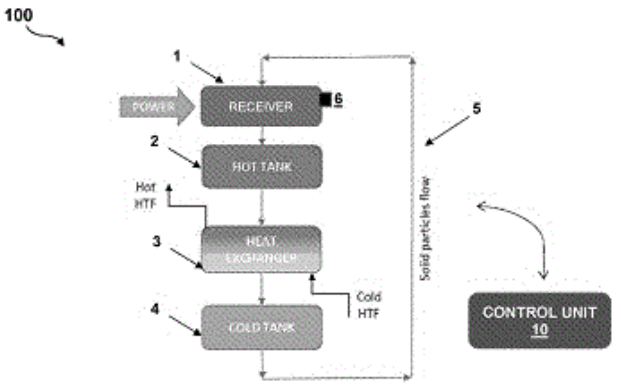
comprises a ball joint bearing ball having a stud extending therefrom. The pedicle screw further includes a tool engaging formation in the ball opposite the stud, which stud is provided with a threaded portion at its free end configured to engage the female thread provided in the shank part.



21: 2023/05054. 22: 2023/05/08. 43: 2024/10/09
51: A61K; C12Q
71: GERON CORPORATION
72: ALBANEZE-WALKER, JENNIFER E
33: US 31: 62/926,778 32: 2019-10-28
54: AMORPHOUS SOLID SUCCINYLATED 3-(FATTY ACID AMIDO)-2-HYDROXY-1-(PROTECTED HYDROXY)-PROPANE SALTS AND METHODS OF MAKING THE SAME
00: -
Aspects of the disclosure includes methods for preparing an amorphous solid composition of a fatty acid metal salt. In practicing the subject methods according to certain embodiments, a succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane organic salt is contacted with a metal base to produce a succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt; and the succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt is precipitated in a solvent to produce an amorphous solid succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt composition. An amorphous solid succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane lithium salt is also provided.

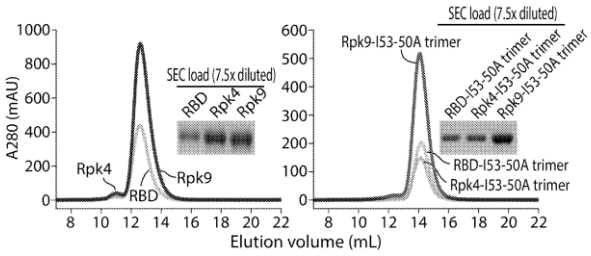


21: 2023/05651. 22: 2023/05/25. 43: 2024/10/29
51: F28D
71: MAGALDI POWER S.P.A.
72: MAGALDI, MARIO, BASSETTI, FULVIO
54: FLUIDIZED BED HEAT EXCHANGER AND METHOD
00: -
An apparatus (100) for the accumulation and transfer of thermal energy, comprising: a thermal energy charging device (1), having a bed of fluidizable solid particles received within a casing and acting as heat accumulation means by being exposed to a thermal energy source; heat exchange means (3) operating in counter-current, configured for an exchange of thermal energy between a heated vector mass of said bed particles and an operative fluid; transport means (5) configured for feeding said vector mass of said bed particles from said device (1) to said heat exchange means (3) and for returning at least a part of said vector mass, downstream said heat exchange means (3), to said device (1); a control unit (10) associated with parameter detecting means (6).



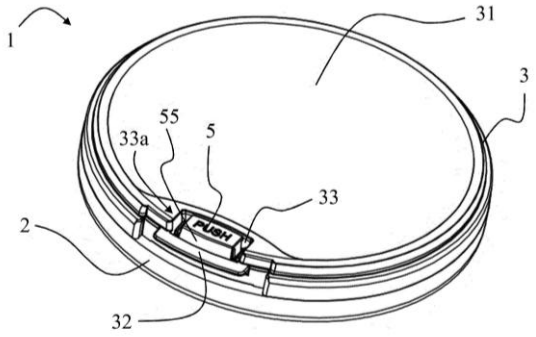
21: 2023/05698. 22: 2023/05/26. 43: 2024/08/30
51: A61K; C07K

71: UNIVERSITY OF WASHINGTON, FRED HUTCHINSON CANCER CENTER
72: ELLIS, Daniel, KING, Neil, BLOOM, Jesse, STARR, Tyler, GREANEY, Allison
33: US 31: 63/132,863 32: 2020-12-31
33: US 31: 63/188,651 32: 2021-05-14
54: STABLE CORONAVIRUS PROTEINS AND VACCINE COMPOSITIONS THEREOF
00: -
Provided herein are compositions and methods comprising mutated coronavirus "S" spike proteins or receptor binding domains thereof that have an increased expression level, yield and stability compared to its corresponding native or wild-type coronavirus spike protein under the same expression, culture or storage conditions. These mutated spike proteins can be used for generating a protein-based vaccine against one or more coronaviruses.



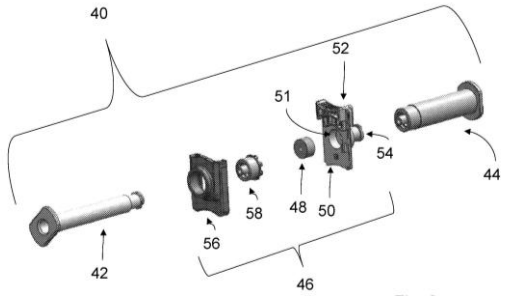
21: 2023/05813. 22: 2023/05/30. 43: 2024/09/25
51: A61K; A61P
71: Intervet International B.V.
72: KOOIJMAN, Sietske, SEGERS, Ruud Philip Antoon Maria, WITVLIET, Maarten Hendrik
33: EP(NL) 31: 20216328.3 32: 2020-12-22
54: CONJUGATED ZEARALENONE TO PROTECT AGAINST MYCOTOXICOSIS
00: -
The present invention pertains to the use of conjugated zearalenone (ZEA) in a method to protect an animal against ZEA induced mycotoxicosis, in particular to protect against decreased weight gain, kidney damage, liver damage and damage to a reproductive organ.

21: 2023/06142. 22: 2023/06/09. 43: 2024/10/24
51: B65D
71: Société des Produits Nestlé S.A.
72: BRANDAO, Sophia, RUEDA, Luis Fernando
33: EP(CH) 31: 20208254.1 32: 2020-11-18
54: CLOSURE FOR A CONTAINER
00: -
A closure (1) for a container, comprising: a first part (2); a second part (3) relatively movable to the first part (2) to move between a closed condition, in which an opening (21) of the closure (1) is covered, and an open condition, in which the opening (21) is uncovered; and a tamper evidence element (5) that is, on the one hand, connected to the second part (3) by a frangible connection (51) and that is, on the other hand, arranged to be withheld relative to the first part (2) such that, as the second part (3) moves with an opening motion relative to the first part (2) from the closed condition to the open condition, the opening motion ruptures the frangible connection (51). The tamper evidence element (5) is adapted to be actuated in order to rupture the frangible connection (51) independent of moving the second part (3) relative to the first part (2) by the opening motion, and the closure (1) further comprises a holding device (22) arranged on the first part (2) and adapted to secure the tamper evidence element (5) to the first part (2) after the frangible connection (51) has been ruptured.



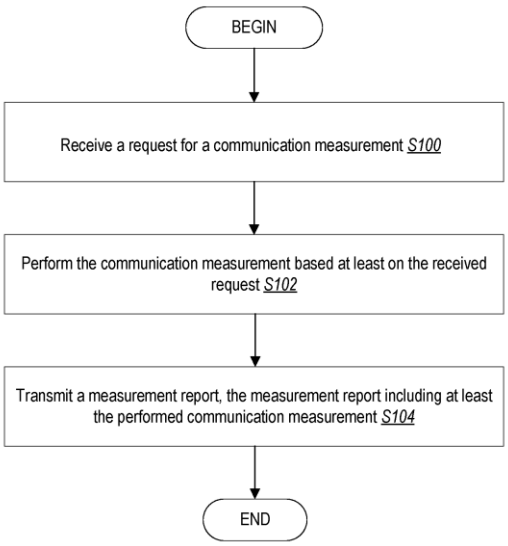
21: 2023/06258. 22: 2023/06/14. 43: 2024/10/07
51: A61J; A61M
71: Tolmar International Limited
72: SHERMAN, James, DEAN, Casey, ABOUDAGHER, Hossam, HART, Carl, BINGHAM, John
33: US 31: 63/130,144 32: 2020-12-23
54: SYSTEMS AND METHODS FOR MIXING SYRINGE VALVE ASSEMBLIES
00: -
A syringe mixing system is provided for housing and mixing contents between at least two syringes. In some embodiments, a syringe coupler is provided that receives first and second syringes and includes a valve member that is convertible between a closed

position and an open position. Retention systems for preventing or inhibiting removal of at least one syringe after use are also provided.

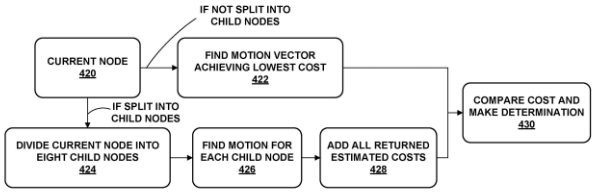


21: 2023/06430. 22: 2023/06/21. 43: 2024/10/24
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: SEDIN, Jonas, AMBEDE, Abhishek, LOPEZ, Miguel
33: US 31: 63/119,149 32: 2020-11-30
54: MULTI-LINK MEASUREMENT REPORTING
00: -
A first wireless device (WD) configured to communicate with a second WD is provided. The first WD is configured to, and/or comprising a radio interface and/or comprising processing circuitry configured to receive a request for a communication measurement, perform the communication measurement based at least on the received request, and transmit a measurement 5report. The measurement report includes at least the performed communication measurement.Methods and other apparatuses are also disclosed.

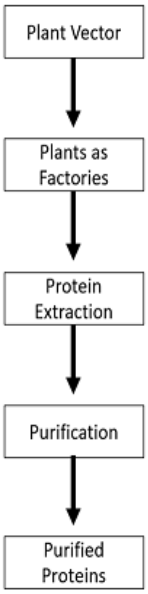
FIG. 4



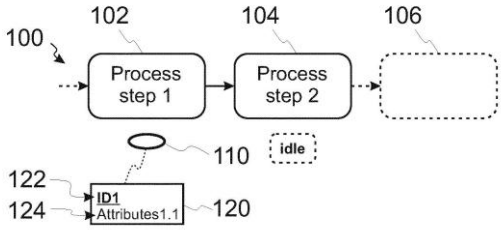
21: 2023/06666. 22: 2023/06/28. 43: 2024/10/28
51: G06T; H04N
71: QUALCOMM Incorporated
72: PHAM VAN, Luong, RAMASUBRAMONIAN, Adarsh Krishnan, RAY, Bappaditya, VAN DER AUWERA, Geert, KARCZEWICZ, Marta
33: US 31: 63/131,637 32: 2020-12-29
54: GLOBAL MOTION ESTIMATION USING ROAD AND GROUND OBJECT LABELS FOR GEOMETRY-BASED POINT CLOUD COMPRESSION
00: -
An example device for coding point cloud data includes a memory configured to store data representing points of a point cloud, and one or more processors implemented in circuitry and configured to: determine height values of points in a point cloud; classify the points into a set of ground points or a set of object points according to the height values; and code the ground points and the object points according to the classifications. The one or more processors may determine top and bottom thresholds and classify the ground and object points according to the top and bottom thresholds. The one or more processors may further code a data structure, such as a geometry parameter set (GPS), including data representing the top and bottom thresholds.



21: 2023/06751. 22: 2023/06/30. 43: 2024/10/24
51: C07K; C12N
71: TIAMAT SCIENCES
72: ADIL, France-Emmanuelle
33: US 31: 63/133,591 32: 2021-01-04
54: PLANT-BASED SYNTHESIS PRODUCTS
00: -
The present disclosure provides composition, systems, devices and methods for plant-based production of non-plant proteins through the use of heterologous genes for the expression of said non-plant proteins. Non-plant proteins can include, but are not limited to, mammalian proteins, cytokines, or growth factors.



21: 2023/06816. 22: 2023/07/04. 43: 2024/10/18
51: G06Q
71: ABB Schweiz AG
72: JANKA, Dennis, BHALODI, Kalpesh, JUHLIN, Prerna, POTSCHKA, Andreas, SCHLAKE, Jan-Christoph
54: METHOD OF INDUSTRIAL PROCESSING OF A BULK MATERIAL
00: -
A method (200) of industrial processing of a bulk material, the industrial, processing comprising a plurality of process steps (100), the method (200) comprising defining a material portion (110) of the bulk material; generating a material portion identifier (120) associated with the material portion (110); processing the material portion (110) in at least two process steps of the plurality of process steps (100); the method (200) comprising for each process step of the at least two process steps: determining a cost of processing the material portion (110) in the process step; and generating a history data set, wherein the history data set is indicative of the cost, the process step and the material portion identifier (120); and wherein the method (200) further comprises determining an aggregated cost based on the history data sets.



21: 2023/06818. 22: 2023/07/04. 43: 2024/10/07
51: E21B
71: Sandvik Mining and Construction Oy
72: KELA, Timo, PEURALA, Jussi, LÄÄKKÖLÄ, Esa
33: EP(FI) 31: 21158220.0 32: 2021-02-19
54: FLUSHING ELEMENT, ROCK DRILLING MACHINE AND METHOD
00: -
A flushing element, rock drilling machine and method of providing a flushing space around a shank adapter of a rock drilling machine. The flushing element (19) surrounds the shank adapter (8) passing through it. The flushing element comprises a feed open-ing (49) for feeding flushing agent to the flushing space (21) and at least two sealing housings (51) for flushing sealings (S, S2, S3) and wherein the flushing sealings are on opposite axial sides of the flushing space. Furthermore, the flushing element has split configuration whereby it is mountable and demountable in radial direction.

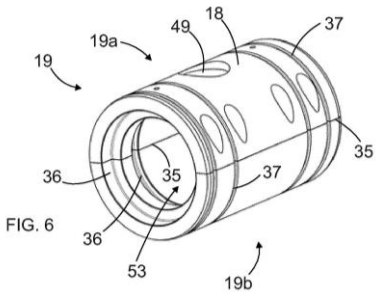
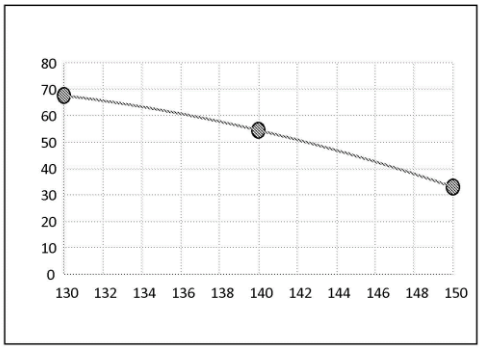
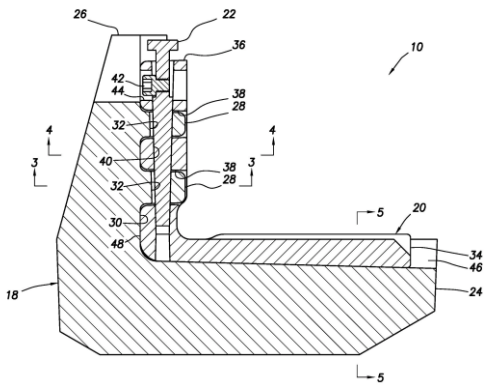


FIG. 6

21: 2023/06915. 22: 2023/07/07. 43: 2024/10/10
51: C08B
71: Infinited Fiber Company Oy
72: MALANIN, Erkki, MÄKELÄ, Jani, SIREN, Sakari, STJERNBERG, Martin, HARLIN, Ali
33: FI 31: 20215213 32: 2021-02-26
54: METHOD OF PRODUCING CELLULOSE CARBAMATE
00: -
According to an example aspect of the present invention, there is provided a method of producing cellulose carbamate in an aqueous phase. The method comprises the steps of a) providing a cellulose raw-material; b) providing urea; c) mixing cellulose and urea to provide a mixture; d) subjecting the mixture to a reduced pressure of no more than 350 mbar(a); e) heating the mixture to a temperature of 130 to 150 ºC to subject cellulose to reaction with urea to form cellulose carbamate; f) releasing the pressure; and g) recovering the cellulose carbamate g) recovering the cellulose carbamate, and h) washing the cellulose carbamate with water to remove water soluble nitrogenous compounds wherein the water- soluble nitrogeneous compounds make up at the most 12 %, preferably 6 % or less, of the total weight of cellulose carbamate and water-soluble nitrogenous compounds.

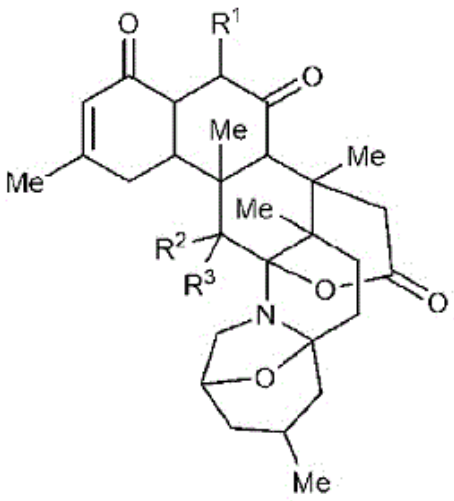


21: 2023/07191. 22: 2023/07/18. 43: 2024/10/24
51: E02F
71: Black Cat Wear Parts Ltd.
72: RUVANG, John A.
33: US 31: 17/177,964 32: 2021-02-17
54: HEEL SHROUD FOR MATERIAL MOVING IMPLEMENT AND ASSOCIATED METHODS
00: -
A heel shroud can include a base with a leg having a profile formed thereon and another leg having a receptacle and at least one wear member receiving opening formed therein, a wear member with a leg having a profile formed therein for sliding engagement with the base profile and another leg having at least one inwardly facing projection formed thereon, a retainer opening formed in the projection, and a retainer member received in the receptacle and the retainer opening. A method can include sliding a leg of a wear member onto a leg of a base, thereby aligning a receptacle formed in another base leg with a retainer opening formed in a projection of another wear member leg, inserting a retainer member in the receptacle and the retainer opening, and installing a fastener in the retainer member, thereby preventing removal of the retainer member from the receptacle.



21: 2023/07293. 22: 2023/07/21. 43: 2024/11/11
51: A61K
71: PRIOTHERA SAS, PRIOTHERA LIMITED
72: BUCHER, Christoph, DERTSCHNIG, Simone
33: EP 31: 21199256.5 32: 2021-09-27
33: IB 31: PCT/IB2021/000033 32: 2021-01-28
54: METHODS OF TREATMENT WITH S1P RECEPTOR MODULATORS
00: -
The present invention relates to S1P receptor modulators, preferably mocravimod, for use in treating patients suffering from acute myelogenous leukemia (AML) and who have undergone allogeneic hematopoietic stem cell transplantation (HSCT). The invention relates in particular to methods of treating AML in subjects undergoing HSCT, wherein said method comprises daily administering an efficient amount of S1P receptor modulator, preferably mocravimod, to said subject in need thereof, for at least 6 months, preferably at least 12 months.

21: 2023/07406. 22: 2023/07/25. 43: 2024/10/10
51: A01N; A01P
71: SUMITOMO CHEMICAL COMPANY, LIMITED
72: UEMURA (DECEASED), DAISUKE, IWATA, CHIEMI, SUZUKI, TATSUYA
33: JP 31: 2021-031870 32: 2021-03-01
54: METHOD FOR CONTROLLING HARMFUL ARTHROPODS OR HARMFUL NEMATODES USING ZOANTHAMINE
00: -
The present invention provides a method for controlling harmful arthropods or harmful nematodes. A compound represented by formula (I) [wherein: R^1 represents a hydrogen atom or a methyl group; and R^2 and R^3 each represent a hydrogen atom or R^2 and R^3 together form an oxo group] or N-oxide thereof can be used for controlling harmful arthropods or harmful nematodes.



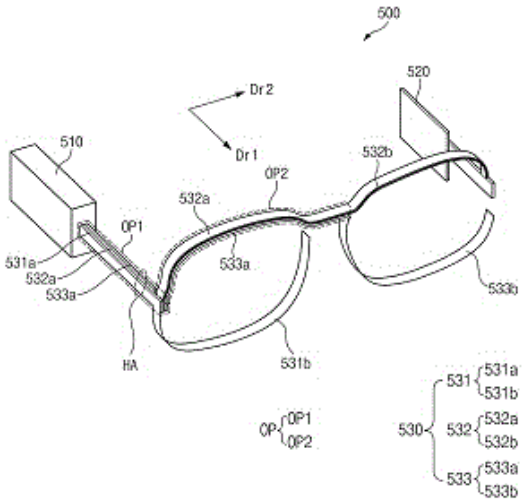
(I)

21: 2023/07643. 22: 2023/08/02. 43: 2024/10/08
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: LEE, Hayun, KIM, Ju Eun, LEE, Ji Hye, KIM, Kyungrim, LEE, Heeseok
33: KR 31: 10-2021-0014077 32: 2021-02-01
54: PREPHENATE DEHYDRATASE VARIANT AND METHOD FOR PRODUCING BRANCHED-CHAIN AMINO ACID USING SAME
00: -
The present application relates to a prephenate dehydratase variant.

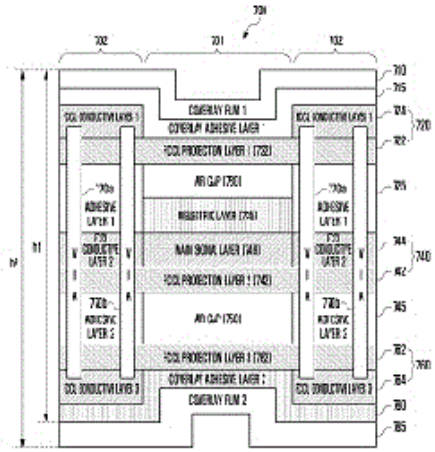
21: 2023/07649. 22: 2023/08/02. 43: 2024/10/09
51: A23L
71: UNILEVER IP HOLDINGS B.V.
72: RUBESA, TINO, CHAN, KOK-KIN, VERMANDEL, EVERT, MATTHEE, JOHANNES MARIA BAPTIST, ZANTINGE, ANNE
33: EP 31: 21158186.3 32: 2021-02-19
54: SEAWEED EXTRACT
00: -
A savoury flavour concentrate from seaweed provides for umami and meaty notes when added to savoury food product. The concentrate can be used for the preparation of flavour products or can be added as such. Also described is a process for the preparation of the concentrate from seaweed by boiling seaweed, removing it from the boiling water, and further concentrating the remaining liquid.

21: 2023/07650. 22: 2023/08/02. 43: 2024/10/09
51: A23L
71: UNILEVER IP HOLDINGS B.V.
72: RUBESA, TINO, CHAN, KOK-KIN, VERMANDEL, EVERT, MATTHEE, JOHANNES MARIA BAPTIST, ZANTINGE, ANNE
33: EP 31: 21158186.3 32: 2021-02-19
54: SEAWEED EXTRACT
00: -
A savoury flavour concentrate from seaweed containing Fucus serratus provides for umami and meaty notes when added to savoury food product. The concentrate can be used for the preparation of flavour products or can be added as such. Also described is a process for the preparation of the concentrate from seaweed by boiling seaweed, removing it from the boiling water, and further concentrating the remaining liquid.

21: 2023/07681. 22: 2023/08/03. 43: 2024/10/09
51: H05K; G02B
71: SAMSUNG ELECTRONICS CO., LTD.
72: YANG, HYUNMO, UHM, JUNWHON, LEE, JUNGKEUN, PARK, YONGHYUN, JEONG, JUNMYEONG, HONG, MYEONGJAE
33: KR 31: 10-2021-0027455 32: 2021-03-02
54: ELECTRONIC DEVICE INCLUDING FLEXIBLE PRINTED CIRCUIT BOARD
00: -
An electronic device includes a frame, a housing including a first temple connected to one side of the frame and a second temple connected to an opposite side of the frame, a first printed circuit board (PCB) located in the first temple, a first flexible printed circuit board (FPCB) electrically connected to the first PCB, and a second FPCB electrically connected to the first PCB. The first FPCB includes a first overlapping portion that is extracted from the first PCB in a first direction and overlaps the second FPCB. The first FPCB further includes a first branch that extends from the first overlapping portion and does not overlap the second FPCB. The second FPCB includes a second overlapping portion that is extracted from the first PCB in the first direction and overlaps the first FPCB. The second FPCB further includes a second branch that extends from the second overlapping portion and does not overlap the first FPCB.



21: 2023/07682. 22: 2023/08/03. 43: 2024/10/09
51: H05K; H04M; G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: SEONG, YOUNGHUN, BAE, BUMHEE, KANG, EUISUNG, KIM, HYEONHAK, RYOO, KANGHYUN, LEE, JAEHOON
33: KR 31: 10-2021-0016335 32: 2021-02-04
54: FLEXIBLE CIRCUIT BOARD AND FOLDABLE ELECTRONIC DEVICE COMPRISING SAME
00: -
An electronic device disclosed herein may comprise: a hinge structure; a flexible display which is folded or unfolded by the hinge structure (for example: the display module (160) of figure 1, the display (200) of figure 2); a first portion and a second portion which are close to and each other facing each other when folded by the hinge structure, and spaced apart from each other when unfolded; a first circuit board disposed on the first portion; a second circuit board disposed on the second portion; and a flexible circuit board electrically connecting the first circuit board and the second circuit board. The flexible circuit board may include a first region which bends according to the deformation of the electronic device, and a second region positioned around the first region. The first region may include a single main signal wiring layer. The second region may include a plurality of signal wiring layers. The first region and the second region may be formed to have different thicknesses.

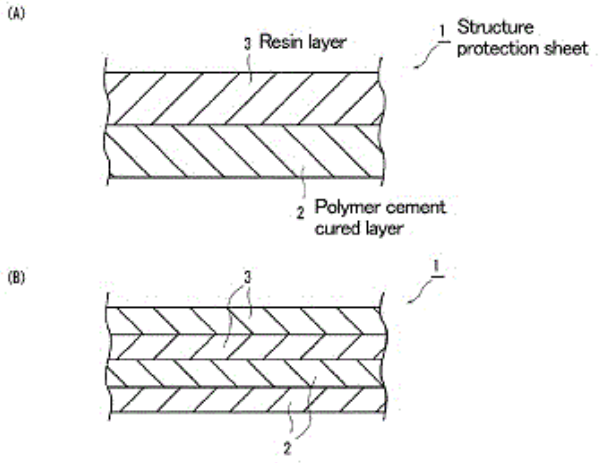


21: 2023/07703. 22: 2023/08/04. 43: 2024/10/09
51: B32B; E21D; E01D; C04B; E04G
71: KEIWA INCORPORATED
72: ASHIKAGA, MASAO, NAKAJIMA, YOSHIKI, FURUNAGA, TOSHIKATSU, HORIUCHI, NORIYUKI, NINOMIYA, AKIRA, IKEDA, YUKINOBU, SHIMOTANI, KENTA, MATSUNO, YUKI
33: JP 31: 2020-036256 32: 2020-03-03
33: JP 31: 2020-088210 32: 2020-05-20
33: JP 31: 2020-036255 32: 2020-03-03
33: JP 31: 2020-036257 32: 2020-03-03

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.

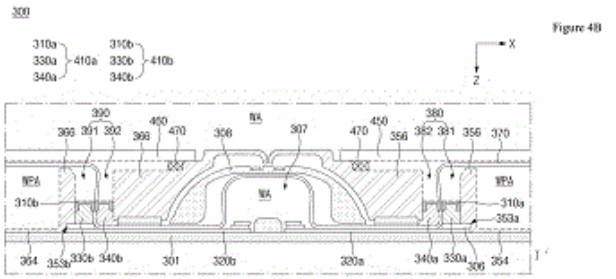


21: 2023/07717. 22: 2023/08/04. 43: 2024/10/09
51: H05K; H04M; G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: CHO, SUNGGUN, KIM, JONGKEUN, CHOI, WONHEE, KIM, JAEHEE, PAK, HWAMOK, AN, MINYEE, LEE, DONGIK
33: KR 31: 10-2021-0019059 32: 2021-02-10

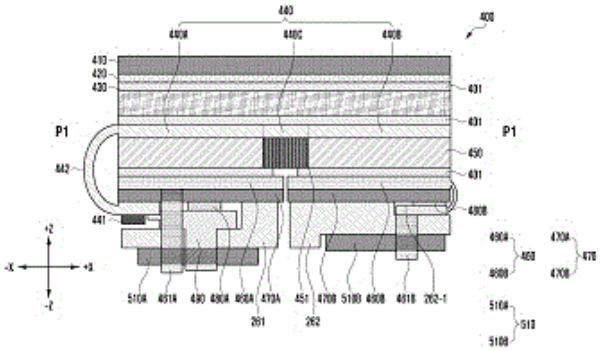
54: ELECTRONIC DEVICE COMPRISING WATERPROOF STRUCTURE

00: -

According to various embodiments of the present disclosure, disclosed is an electronic device comprising: at least one flexible circuit board passing through a first through hole included in a first housing and a second through hole included in a second housing; a first support bracket which supports the flexible circuit board while covering the first through hole; a second support bracket which supports the flexible circuit board while covering the second through hole; a first waterproof member arranged to be oriented from the first support bracket toward a partial region of the first through hole to be inserted into the partial region of the first through hole; a second waterproof member inserted into the remaining regions of the first through hole; a third waterproof member arranged to be oriented from the second support bracket toward a partial region of the second through hole to be inserted into the partial region of the second through hole; and a fourth waterproof member inserted into the remaining regions of the second through hole.



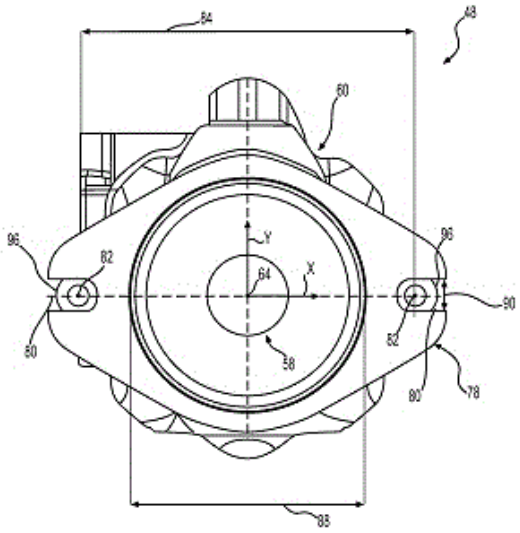
21: 2023/07718. 22: 2023/08/04. 43: 2024/10/09
51: G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: AN, JUNGCHUL, PARK, MYEONGSIL, SHIN, HYUNHO, YOON, SHINHYUK, KIM, KYUNGSUB
33: KR 31: 10-2021-0017410 32: 2021-02-08
54: DISPLAY MODULE CAPABLE OF RECOGNIZING PEN INPUT DEVICE, AND ELECTRONIC DEVICE COMPRISING DISPLAY MODULE
00: -
An electronic device according to various embodiments disclosed in the present document may comprise: a first housing; a second housing pivotally connected to the first housing; a display panel including a first area which is disposed in the first housing, a second area which is disposed in the second housing, and a third area which connects the first and second areas to each other and at least a part of which is bendable; a first support part disposed under the display panel to support the display panel; a recognition member including a first recognition member which is disposed in the first housing under the first support part and a second recognition member which is disposed in the second housing under the first support part, and recognizing a signal from a pen input device; a second support part including a first portion which is disposed in the first housing under the recognition member and a second portion which is separated from the first portion and disposed in the second housing under the recognition member; a first printed circuit board disposed in the first housing under the second support part; and a second printed circuit board disposed in the second housing under the second support part, separated from the first printed circuit board, and electrically connected to the second support part.



21: 2023/07721. 22: 2023/08/04. 43: 2024/10/09
51: C11D; E03D
71: UNILEVER GLOBAL IP LIMITED
72: ACHARYA, KOUSHIK, LONTOUO TAKEMLON, OLIVIER, MONDANI, PAOLO, STEFANONI, MICHELE, VALCARENGHI, IVAN
33: EP 31: 21161255.1 32: 2021-03-08
54: SHAPED TOILET CLEANER BLOCK
00: -
The present invention relates to a shaped toilet cleaner block comprising a surfactant mix, wherein the surfactant mix comprises i. 10 to 60 wt% alkyl benzene sulphonate; ii. 1 to 40 wt% primary alcohol sulphate; and iii. 1 to 15 wt% alkyl poly glycoside; wherein the weight ratio of (alkyl benzene sulphonate + primary alcohol sulphate) / alkyl poly glycoside is from 6:1 to 19:1. The invention further relates a method of making the toilet cleaner block of the present invention as well as a method of cleaning and/or disinfecting and/or deodorizing the inside of a toilet bowl using said toilet block.

21: 2023/07750. 22: 2023/08/07. 43: 2024/10/10
51: F04B; F04C
71: CATERPILLAR INC.
72: SPEICHINGER, JUSTIN DOUGLAS, RAMALHO, STIVE, HOPF, DARREN JOSEPH, BERNARD, AURELIEN HERVE, ROUSSEAU, PAUL ALAN
33: US 31: 17/171,416 32: 2021-02-09
54: HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE
00: -
A hydraulic pump (48) or motor (46) includes a mounting flange (78) that is disposed at the first end of the housing (60). The mounting flange (78) defines a pair of bolt receiving slots (80) that are disposed along the X-axis on either side of the shaft

(58). The pair of bolt receiving slots (80) each define a radius center (82) that are spaced away from each other a X dimension (84), and a pilot projection (86) extends longitudinally away from the mounting flange (78), defining a pilot projection diameter (88). A ratio of the X dimension (84) to the pilot projection diameter (88) ranges from 1.1 to 1.5.



21: 2023/07751. 22: 2023/08/07. 43: 2024/10/09
51: F04D
71: CATERPILLAR INC.
72: SPEICHINGER, JUSTIN D, RAMALHO, STIVE, HOPF, DARREN J, BERNARD, AURELIEN H, ROUSSEAU, PAUL A
33: US 31: 17/171,473 32: 2021-02-09
54: HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE
00: -
A female mounting member (300) is configured to mate with a hydraulic pump or fan. The member (300) includes a body that defines a projection receiving cavity (87, 302) defining a cavity diameter (D302), and a first threaded hole (304) defining a first threaded hole diameter (D304). A ratio of the cavity diameter (D302) to the first threaded hole diameter (D304) ranges from 8.0 to 8.15.

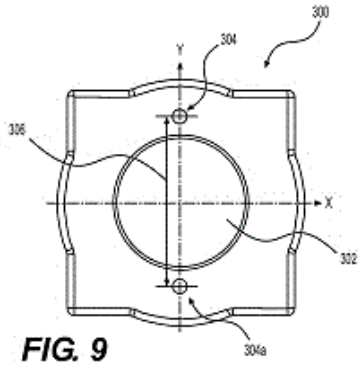


FIG. 9

21: 2023/07752. 22: 2023/08/07. 43: 2024/10/10
51: G06V; E02F
71: CATERPILLAR INC.
72: MIANZO, LAWRENCE A, OBLAK, TOD A, PLOUZEK, JOHN M, MATHEW, SHAWN NAINAN, WISE, RAYMOND ALAN
33: US 31: 17/171,569 32: 2021-02-09
54: GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD
00: -
An example wear detection system (110) receives a left image (510) and a right image (520) of a bucket (120) of a work machine (100) having at least one ground engaging tool (GET) (125). The example system identifies a first region of interest (550) from the left image corresponding to the GET and a second region of interest (560) from the right image corresponding to the GET. The example system also generates a left-edge digital image (740) corresponding to the first region of interest and a right-edge digital image (750) corresponding to the second region of interest. Further, the example system determines a sparse stereo disparity (760) between the left- edge digital image and the right-edge digital image, determines measurement data related to the GET and also determines a wear level or loss for the at least one GET based on the measurement data.

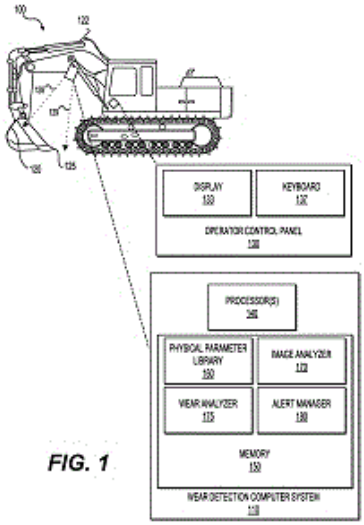
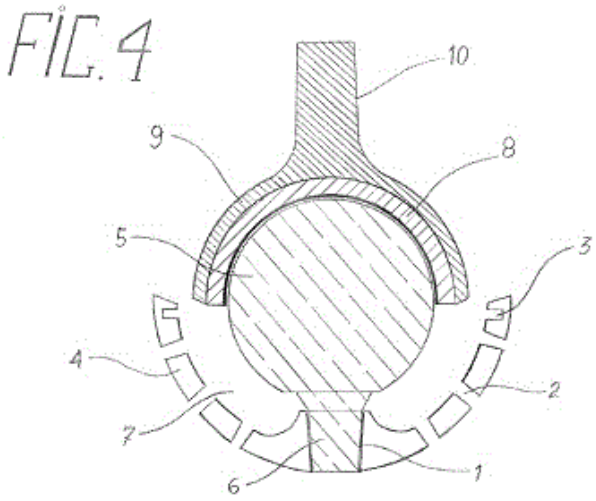
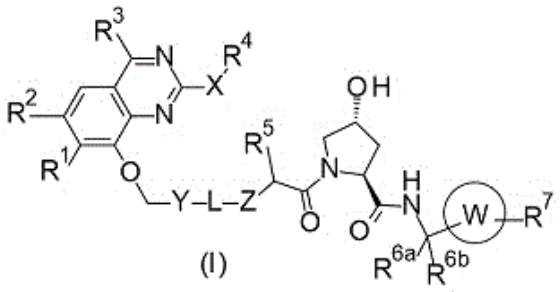


FIG. 1

21: 2023/07757. 22: 2023/08/07. 43: 2024/10/09
51: A61F
71: JOINT INNOVATION TECHNOLOGY, LLC
72: TERMANINI, ZAFER
33: US 31: 17/145,332 32: 2021-01-09
54: INTERLOCKING REVERSE HIP PROSTHESIS WITH REMOVABLE TAPERED CENTRAL POST
00: -
An interlocking reverse hip prosthesis including an acetabular cup having an opening in the central portion of the cup being implanted in the acetabular cavity. The opening has a circular extending wall protruding into the concave portion of the cup a distance at least equal to the diameter of the opening. The inward extension of the cup provides a female Morse taper suited for receiving the male Morse tapered post of the acetabular ball. After implantation of the acetabular cup, the surgeon can easily secure the cup to the acetabular bone using several screws without the interference of the central peg (as in prior implants). The femoral ball is then attached to the cup via central Morse taper.

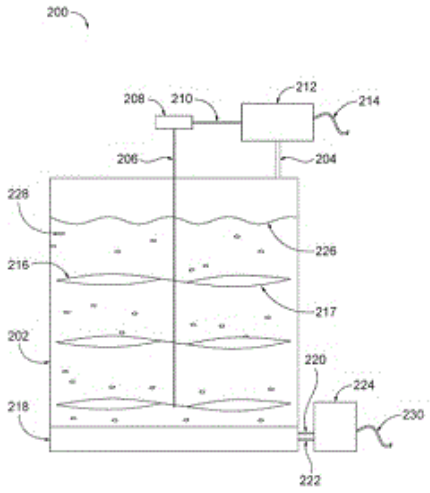


21: 2023/07791. 22: 2023/08/08. 43: 2024/10/09
51: C07D; A61K; A61P
71: ASTELLAS PHARMA INC.
72: YOSHINARI, TOMOHIRO, ISHIOKA, HIROKI, KAWAMINAMI, EIJI, WATANABE, HIDEYUKI, KAWAGUCHI, KENICHI, KURAMOTO, KAZUYUKI, IMAIZUMI, TOMOYOSHI, MORIKAWA, TAKAHIRO, HAMAGUCHI, HISAO, IMADA, SUNAO, OKUMURA, MITSUAKI, NAGASHIMA, TAKEYUKI, INAMURA, KOHEI
33: JP 31: 2021-021656 32: 2021-02-15
54: QUINAZOLINE COMPOUND FOR INDUCING DEGRADATION OF G12D MUTANT KRAS PROTEIN
00: -
[Problem] To provide a compound useful as an active ingredient of a pharmaceutical composition for treating pancreatic cancer. [Means for resolution] The present inventors have studied about a compound that is useful as an active ingredient of a pharmaceutical composition for treating pancreatic cancer and have found that a quinazoline compound has an excellent degradation-inducing action on a G12D mutant KRAS protein and a G12D mutant KRAS inhibition activity and can be used as a therapeutic agent for pancreatic cancer, thus completing the present invention. The quinazoline compound or a salt thereof of the present invention can be used as a therapeutic agent for pancreatic cancer.

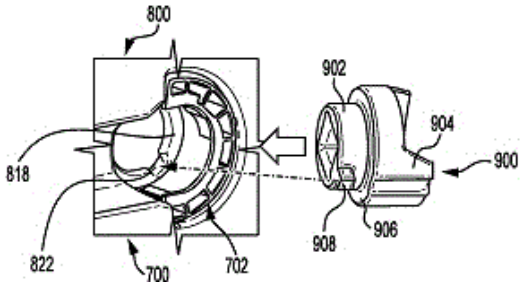


(I)

21: 2023/07856. 22: 2023/08/11. 43: 2024/10/09
51: C01B
71: TMTP LABS, INC.
72: RUSTINE, TIMOTHY, KELLY, MATTHEW, ROBBINS, SEANN
33: US 31: 63/184,176 32: 2021-05-04
54: APPARATUS AND METHOD FOR EXFOLIATING GRAPHITE
00: -
An apparatus and method to exfoliate a graphite grain is described. A mixture of a graphite grain and a fluid medium are transferred into a vessel. The vessel includes an agitator and a chiller. The chiller chills the mixture such that the fluid medium at least partially solidifies into an ice grain. The agitator agitates the mixture to induce a contact between the graphite grain and the ice grain. The contact between the graphite grain and the ice grain exfoliates the graphite grain.

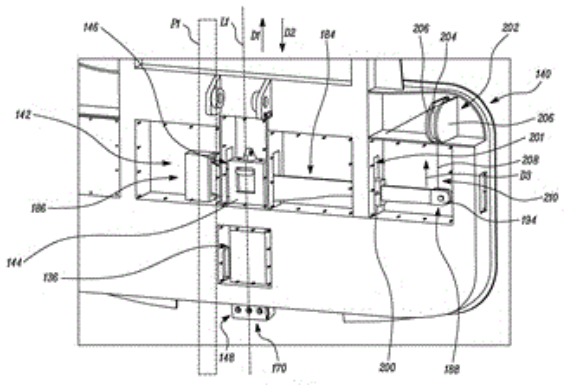


21: 2023/07858. 22: 2023/08/11. 43: 2024/10/09
51: E02F
71: CATERPILLAR INC.
72: JURA, JASON GRANT, SINN, ERIC T, SERRURIER, DOUGLAS C, WELLS, COREY MICHAEL
33: US 31: 17/175,044 32: 2021-02-12
54: RETAINER AND CORRESPONDING WEAR MEMBER
00: -
A retainer (900) includes a drive portion (902) defining a drive portion outer diameter, and a lug receiving portion with a skirt (904) defining a lug receiving slot (914) that extends partially through the lug receiving portion, forming a first sidewall, a second sidewall, and a catch surface connecting the first sidewall to the second sidewall. The skirt (904) also defines a skirt outer diameter that is greater than the drive portion outer diameter. Also, the drive portion (902) has a hook tab (908) that extends from the drive portion (902) and that is spaced away from the skirt (904) a minimum distance.



21: 2023/07859. 22: 2023/08/11. 43: 2024/10/10
51: E02F
71: CATERPILLAR GLOBAL MINING LLC
72: JAMILOSA, JAMES G
33: US 31: 17/173,241 32: 2021-02-11
54: LATCHING SYSTEM FOR DIPPER
00: -
A latching system (142) associated with a dipper door (140) of a dipper (120) includes a latch bar (136) that engages with a body (126) of the dipper (120). The latch bar (136) defines a longitudinal axis (L1). The latch bar (136) includes a housing (144), one or more shims (152), and a wear member (170) removably coupled to the housing (144). The wear member (170) defines a wear surface (172) and a wear axis (L2) extending parallel to the wear surface (172). An angle (A) defined between the wear axis (L2) and the longitudinal axis (L1) is less than 45 degrees. The latching system (142) also includes an arm member (184) pivotally coupled to the dipper door (140) such that the arm member (184) is pivotable along a first pivot plane (P1). The arm member (184) contacts a portion of the latch bar (136) for moving the latch bar (136) along the

longitudinal axis (L1). The latching system (142) includes a guide assembly (202) having a guide pulley (204) and an actuation member (208) that causes pivoting of the arm member (184).



21: 2023/07918. 22: 2023/08/15. 43: 2024/10/09
51: A61K; A61P; C07D
71: THE SCRIPPS RESEARCH INSTITUTE
72: BOLLONG, MICHAEL J, SCHULTZ, PETER G, CHATTERJEE, ARNAB K, SHEN, WEIJUN, NAKATH G. RALALAGE, ELSHAN, GRZELAK, EDYTA M, YANG, PENG-YU
33: US 31: 63/148,868 32: 2021-02-12
54: SMALL MOLECULE ACTIVATORS OF YAP TRANSCRIPTIONAL ACTIVITY FOR REGENERATIVE ORGAN REPAIR
00: -
The present disclosure provides compounds, or their tautomers or pharmaceutically acceptable salts thereof, and their pharmaceutical compositions that can selectively activate Yes-associated protein 1 (YAP). YAP activators of the present disclosure are useful in therapies such as wound and organ repair including, for example, treatment of chronic ulcers.

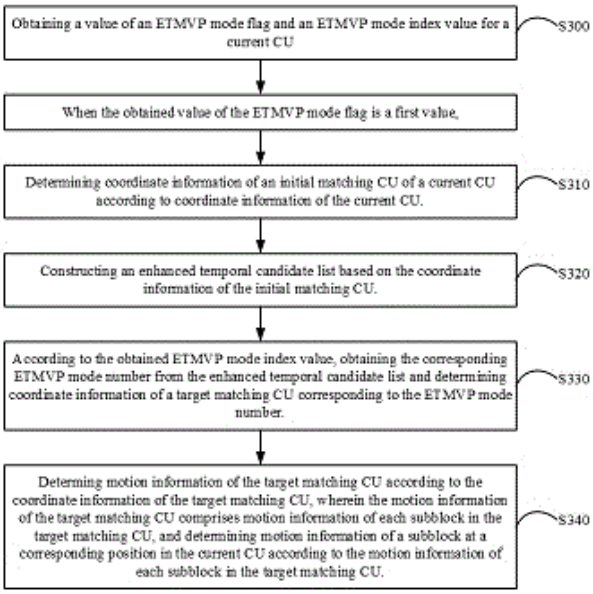
21: 2023/07919. 22: 2023/08/15. 43: 2024/10/09
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: COLLINS, LUISA ZOE, GILES, COLIN CHRISTOPHER DAVID, ROBERTS, GLYN, ZHOU, RONGRONG
33: EP 31: 21167441.1 32: 2021-04-08
54: HAIR TREATMENT COMPOSITION
00: -
A shampoo composition comprising i) 0.9 to 2 wt % of an alkali metal salt of an aldonic acid, which is sodium gluconate; ii) 0.1 to 2 wt %, citric acid by weight of the total composition; and iii) an anionic surfactant; iv) a preservative, which is sodium benzoate; and wherein the composition has a pH of from 3 to 5, provides repair to damaged internal protein of hair.

21: 2023/07986. 22: 2023/08/17. 43: 2024/10/09
51: A23J; A23K
71: MARS, INCORPORATED
72: MOLINA, LUIS, GUEDIDER, LAHCENE, TREHIOU, MELANIE, MAO, MATHIEU
33: FR 31: FR2101529 32: 2021-02-17
54: METHOD FOR PRODUCING PROTEIN MATERIAL
00: -
The present disclosure relates to methods for treating at least one source of proteins, treated protein material obtainable by said method of treatment, and food compositions for animals, preferably for pets, including said treated protein material.

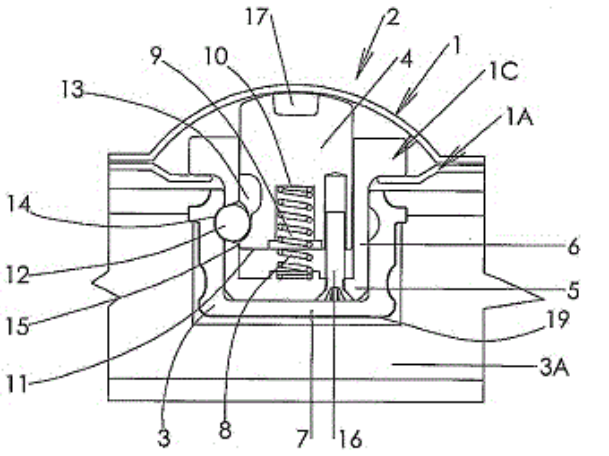
21: 2023/08022. 22: 2023/08/18. 43: 2024/10/09
51: C12N; A61K
71: ALNYLAM PHARMACEUTICALS, INC.
72: TREMBLAY, FREDERIC, BONDURANT, LUCAS D, MCININCH, JAMES D, CASTORENO, ADAM, SCHLEGEL, MARK K, KAITTANIS, CHARALAMBOS
33: US 31: 62/977,875 32: 2020-02-18
33: US 31: 63/144,516 32: 2021-02-02
54: APOLIPOPROTEIN C3 (APOC3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention relates to RNAi agents, e.g., double stranded RNA (dsRNA) agents, targeting the apolipoprotein C3 gene (APOC3). The invention also relates to methods of using such RNAi agents to inhibit expression of an APOC3 gene and to methods of preventing and treating an APOC3-associated disorder, e.g., hypertriglyceridemia, non-alcoholic fatty liver disease, non-alcoholic steatohepatitis, polycystic ovary syndrome, kidney disease, obesity, type 2 diabetes mellitus (insulin resistance), hypertension, artherosclerosis and pancreatitis.

21: 2023/08038. 22: 2023/08/18. 43: 2024/10/09
51: H04N
71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.

72: CAO, XIAOQIANG, SUN, YUCHENG, CHEN, FANGDONG
33: CN 31: 202110297136.3 32: 2021-03-19
54: METHODS, APPARATUSES, DEVICES, AND STORAGE MEDIA FOR ENCODING OR DECODING
00: -
The present application provides methods, apparatuses, devices and storage media for decoding and encoding. The decoding method comprises: obtaining a value of an Enhanced Temporal Motion Vector Prediction (ETMVP) mode flag and an ETMVP mode index value for a current coding unit (CU); when the value of the ETMVP mode flag is a first value, determining coordinate information of an initial matching CU of the current CU according to coordinate information of the current CU; constructing an enhanced temporal candidate list based on the coordinate information of the initial matching CU; determining coordinate information of a target matching CU according to the ETMVP mode index value; and determining motion information of a subblock at a corresponding position in the current CU according to the motion information of the target matching CU. The method can improve the encoding and decoding performance effectively.

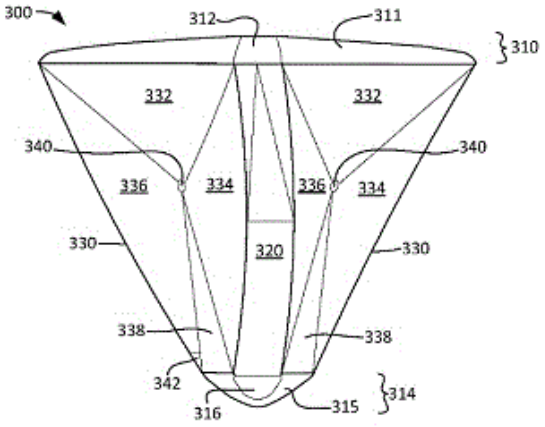


21: 2023/08041. 22: 2023/08/18. 43: 2024/10/09
51: F16B; B63B
71: MILLAR, RUSSELL JOHN
72: MILLAR, RUSSELL JOHN
33: NZ 31: 772160 32: 2021-01-21
54: REMOVABLE LOCKING DEVICE
00: -
A device for removably attaching two pieces of an apparatus (such as a leg rope to a surfboard) together is described which has two members (a first male member and a second female member) that are movable to be in two positions, one a locked position and the other an unlocking position. The first male member is joined to a first piece of the apparatus (such as the leg rope) and the second female member is joined to the other piece of the apparatus (such as the surfboard). Ball bearings are located in the device in cavities movable under a predetermined plan to allow the device to join the two pieces together in a locked position and to allow the first piece to be removed from the second piece in the unlocking position, operable under hand pressure.



21: 2023/08074. 22: 2023/08/21. 43: 2024/10/09
51: B65D; B61D; B63B; C10C
71: PHILERGOS GROUP FOUNDATION
72: GIANNELIA, PAUL
33: US 31: 63/146,812 32: 2021-02-08
33: US 31: 17/665,532 32: 2022-02-05
54: METHODS OF TRANSPORTING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS AND REDUCING CARBON DIOXIDE EMISSIONS
00: -
A method of transporting non-volatile bituminous materials from a first location to a second location involves carrying a plurality of irregular bricks formed by the bituminous material in transport chambers carried by vehicles. Bricks are defined by a plurality

of non-planar surface, which create gaps between adjacent bricks, and can further include polymer skeletons and other features that help them float. The bricks can travel by land, sea, air, or rail and need not be heated while in transit. Transport chambers have active or preferably passive environmental control systems to circulate cooling air, water, or other substances through the chamber and the gaps between adjacent bricks. In a preferred embodiment, ambient air circulates among the bricks during travel by land and ambient water circulates among the bricks during marine travel. The vehicles carrying the transport chambers can be low-emissions or zero-emission vehicles including fuel-cell powered trains and ships.

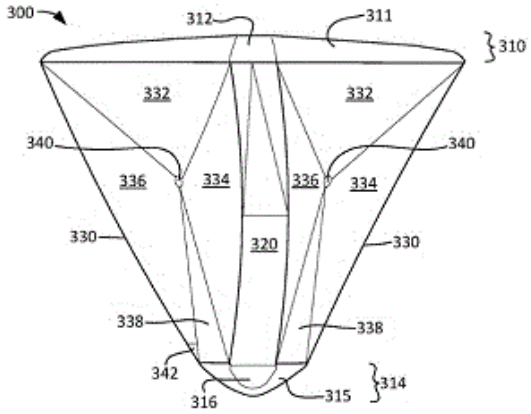


21: 2023/08077. 22: 2023/08/21. 43: 2024/10/09
51: C10C
71: PHILERGOS GROUP FOUNDATION
72: GIANNELIA, PAUL
33: US 31: 63/146,812 32: 2021-02-08
33: US 31: 17/665,520 32: 2022-02-05

54: SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT

00: -

A substantially solid brick of non-volatile bituminous material has a shape that is defined by an irregular outer surface to minimize surface contact with nearby bricks when shipped in bulk. The overall shape is preferably that of a modified tetrahedron having three non-planar face surfaces, a top surface, and a surface or point. Both the top and bottom surfaces are preferably modified domed shapes comprised of several sections. The face sections are preferably modified concave surfaces comprised of several triangular sections that can be planar, concave, or convex. Curved edges connect the face sections to each other and can include several planar edge sections. The bituminous material can include additives, and the brick can further include a skeleton distributed throughout. The skeleton can be a customizable matrix, framework of fiber groups, or other structure and can include customizable buoyant features such as air pockets or capsules.



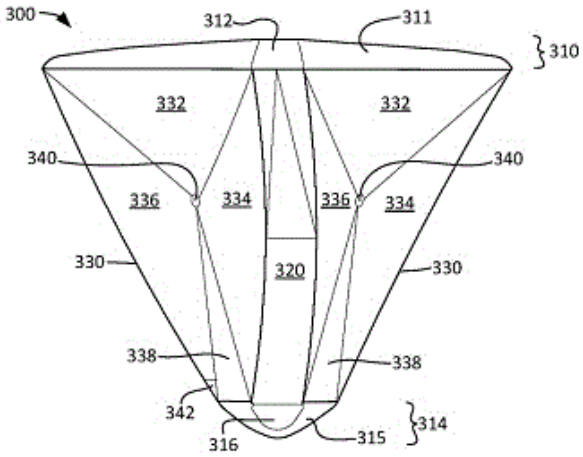
21: 2023/08078. 22: 2023/08/21. 43: 2024/10/09
51: C10C; B29C; C08J; C08L
71: PHILERGOS GROUP FOUNDATION
72: GIANNELIA, PAUL
33: US 31: 17/665,522 32: 2022-02-05
33: US 31: 63/146,812 32: 2021-02-08

54: METHODS OF PREPARING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT

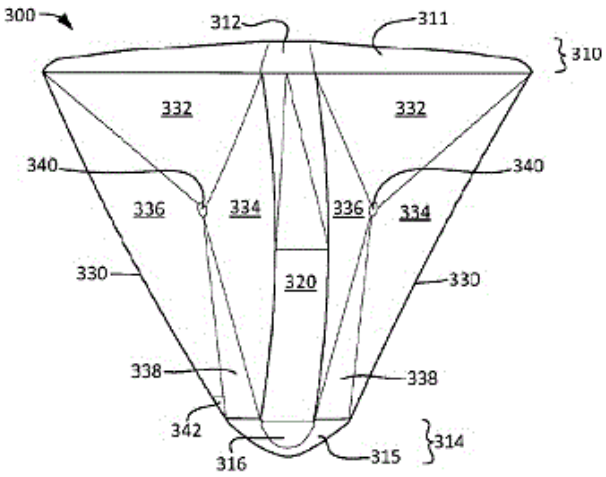
00: -

A method of preparing non-volatile bituminous material in solid form includes first accessing molds having mold cavities defining an irregularly shaped brick having a plurality of non-planar surfaces and preparing the bituminous material for casting by heating it until it is suitably viscous for casting and optionally blending it with an additive. Then, the molds can be filled with the bituminous materials, preferably using a retractable conduit that progressively fills each mold cavity from its bottom to its top. Next, the bituminous material in the molds is solidified until substantially solid bricks are formed. Optionally, a skeleton with optional additional buoyant features can be placed in each mold cavity

prior to casting so that the resulting brick has increased buoyancy throughout, and the skeleton and any buoyant features can be customized according to the needs of the customer. The resulting bricks can be removed for transport.



21: 2023/08079. 22: 2023/08/21. 43: 2024/10/09
51: C10C
71: PHILERGOS GROUP FOUNDATION
72: GIANNELIA, PAUL
33: US 31: 17/665,531 32: 2022-02-05
33: US 31: 63/146,812 32: 2021-02-08
54: RECEIVERS FOR SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT
00: -
A receiver for irregularly shaped bricks cast from non-volatile bituminous material includes a receiver with a specialized storage chamber that can receive viscous bituminous material and a concave lid preferably modified with a radiant heating system that can accept and melt or soften arriving bricks. The lid includes multiple openings or other delivery routes that funnel the melted bituminous material to the chamber below. The radiant heating system can be electrical where cables or grids are embedded in the lid or where conductive materials coat or are distributed throughout the lid. Alternatively, the radiant heating system can be hydronic where channels or conduits are embedded in the lid to circulate heated liquid such as water or water mixed with propylene glycol. The receiver can also include blenders, skimmers, and additional heaters to further skim, blend, or process the bituminous material collected in the chamber.

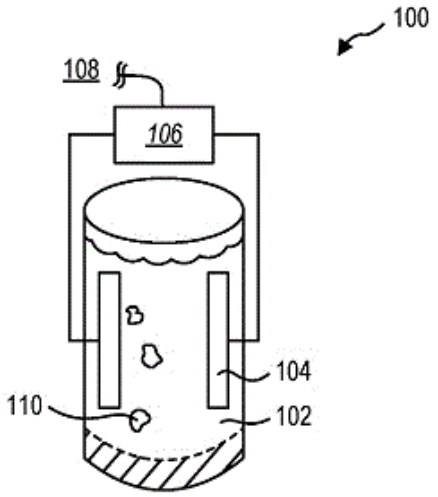


21: 2023/08080. 22: 2023/08/21. 43: 2024/10/09
51: A61K; A61P
71: EGIS GYÓGYSZERGYÁR ZRT.
72: GULYÁS, ANITA, MÓRICZ, KRISZTINA, ULEJ, DÁNIEL, GIGLER, GÁBOR, PAPP, EDIT, PÁLVÖLGYI, ADRIENN, GACSÁLYI, ISTVÁN, VARGA, ZOLTÁN, WACHA, ANDRÁS FERENC, BÓTA, ATTILA
33: HU 31: P2100021 32: 2021-01-22
33: HU 31: P2100019 32: 2021-01-22
54: TOPICAL FORMULATION CONTAINING DISPERSED PREGABALIN
00: -
Topical formulation containing pregabalin for long-term analgesic activity. The composition is prepared using high shear mixers or homogenizers such as HPH or ultrasonic devices, which changes the structure of the composition. The analgesic effect of the compounds of the present invention is significantly increased compared to reference formulations homogenized with equipment of the same quantitative composition but less shearing forces.

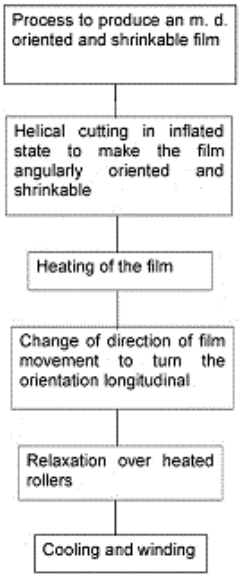
21: 2023/08081. 22: 2023/08/21. 43: 2024/10/09
51: A61K; A61P
71: EGIS GYÓGYSZERGYÁR ZRT.
72: GULYÁS, ANITA, MÓRICZ, KRISZTINA, ULEJ, DÁNIEL, GIGLER, GÁBOR, PAPP, EDIT, PÁLVÖLGYI, ADRIENN, GACSÁLYI, ISTVÁN, VARGA, ZOLTÁN, WACHA, ANDRÁS FERENC, BÓTA, ATTILA

33: HU 31: P2100021 32: 2021-01-22
33: HU 31: P2100019 32: 2021-01-22
54: TOPICAL FORMULATION CONTAINING MODIFIED PHOSPHOLIPID COMPOUNDS
00: -
The present invention relates to a topical pharmaceutical composition comprising pregabalin and a reduced micellar phospholipid as an active ingredient, which results in a prolonged analgesic effect of pregabalin. The product can reduce neuropathic pain by at least 5 hours.

21: 2023/08082. 22: 2023/08/21. 43: 2024/10/09
51: C02F
71: PDT HOLDINGS, LLC
72: MCKINLEY, TROY, MCKINLEY, BREE
33: US 31: 63/118,465 32: 2020-11-25
54: METHODS AND SYSTEMS OF TREATING WATER
00: -
A method for treating water (e.g., wastewater, municipal water, industrial, mining water, and water to be treated) includes receiving water to be treated at a first treatment tank, converting an alternating current (AC) source to a direct current (DC) using a DC drive, and providing electrical power to a first pair of electrodes positioned in the first treatment tank using the DC drive. The method further includes introducing ions into the water to be treated from at least one of the electrodes of the pair of electrodes and promoting flocculation of at least one impurity in the water to be treated with the ions to produce treated water.



21: 2023/08083. 22: 2023/08/21. 43: 2024/10/09
51: B29C
71: THE SUPREME INDUSTRIES LIMITED
72: RASMUSSEN, OLE-BENDT
54: ANGULAR ANNEALING PROCESS
00: -
A procedure wherein a tubular high molecular weight polymer film which has been longitudinally stretched and therefore is longitudinally shrinkable, is converted by helical cutting to second polymer film, which then is heated and relaxed in order to partly or totally eliminate the shrinkability, whereby one edge of the helically cut film, inevitably becomes longer than the other edge, referring to a relaxed stated, characterised in that second film is converted to third film by continuously advancing second film in a first direction towards a lineary zone which extends perpendicularly to the edges of the cut film, while heating the film to a temperature lower than but close to its melting range, and in direct succession hereto moving the heated film at velocity (v) in a second direction which forms a small angle (a) to the first direction, the velocity (v) and angle (a) being selected to reduce or totally eliminate the difference between the lengths of the edges.

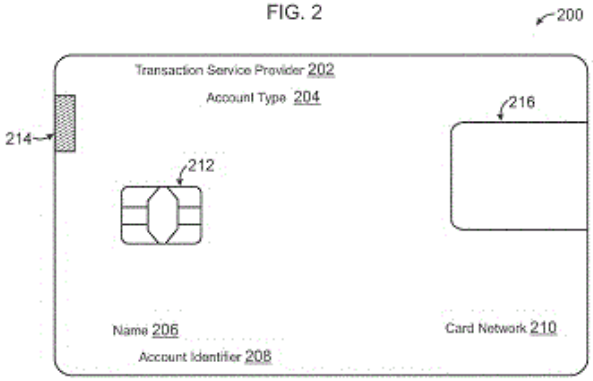


21: 2023/08120. 22: 2023/08/22. 43: 2024/10/09
51: A61P; A61K; C07K; C12N
71: GAMMADELTA THERAPEUTICS LTD, F-STAR THERAPEUTICS LIMITED
72: TUNA, MIHRIBAN, UDEN, MARK, FREEDMAN, JOSHUA, MOUNT, NATALIE

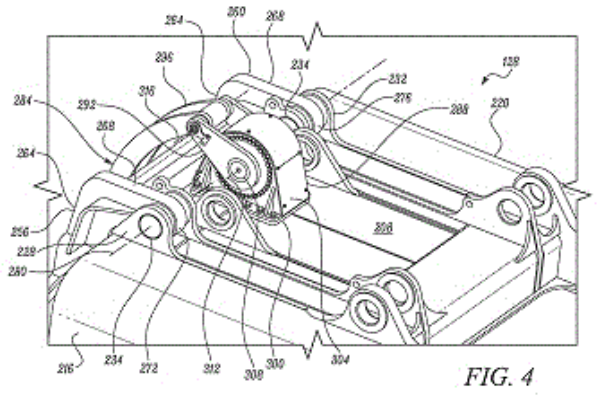
33: GB 31: 2111685.0 32: 2021-08-14
33: GB 31: 2102224.9 32: 2021-02-17
54: MULTISPECIFIC ANTI-TCR DELTA VARIABLE 1 ANTIBODIES
00: -
The present invention provides multispecific antibodes comprising a Fab region and an Fc region, wherein the Fab region comprises a binding site specific for an epitope of the variable delta 1 (Vδ1) chain of a γδ T cell receptor (TCR); and the Fc region comprises an EGFR binding site. The present invention also provides compositions and pharmaceutical compositions comprising such multispecific antibodies, and method of making such multispecific antibodies. The present invention also provides methods of treatment and medical uses involving the multispecific antibodies.

21: 2023/08121. 22: 2023/08/22. 43: 2024/10/09
51: G06Q
71: BREX INC.
72: VENABLE, JEFF
33: US 31: 17/562,952 32: 2021-12-27
33: US 31: 63/183,496 32: 2021-05-03
54: MULTIFACTOR AUTHENTICATION THROUGH CRYPTOGRAPHY-ENABLED SMART CARDS
00: -
There are provided systems and methods for multifactor authentication through cryptography-enabled smart cards. A user may engage in transactions or other online interactions that may require multifactor authentication, such as by providing a secondary or further piece of evidence or information that is used to more securely trust the user and that they are not another malicious user. The user may utilize a physical card that includes a microchip embedded to a surface, where the microchip includes a key or other cryptographic signing function to be able to be scanned and digitally sign a request for authentication from a computing device. A user's computing device may then be brought into close proximity to the microchip when a request to scan the card's microchip is received. The user's computing device may then use wireless signals to activate the microchip and perform a multifactor authentication.

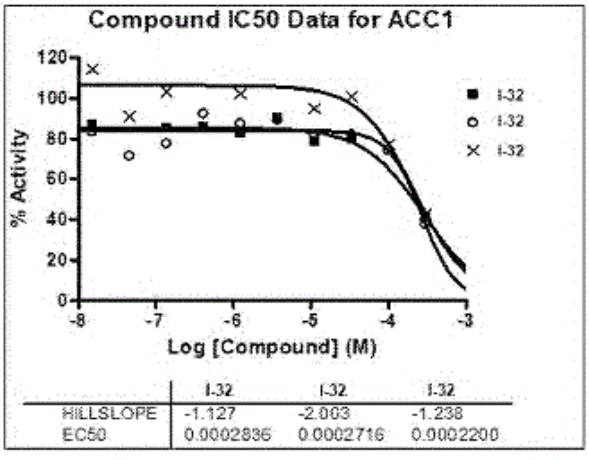
FIG. 2



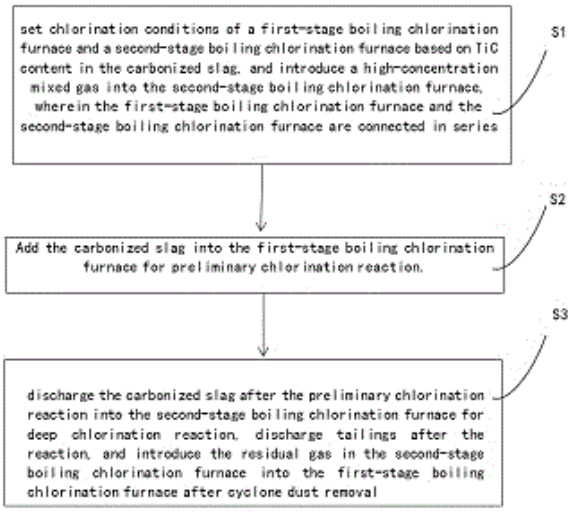
21: 2023/08150. 22: 2023/08/23. 43: 2024/10/09
51: E02F
71: CATERPILLAR INC.
72: JAMILOSA, JAMES G
33: US 31: 17/184,718 32: 2021-02-25
54: SNUBBER SYSTEM FOR RETARDING SWINGING MOVEMENT OF DOORS OF DIPPERS
00: -
A snubber system (284) for retarding a swinging movement of a door (184) with respect to a body (180) of the dipper (128). The snubber system (284) includes a braking assembly (288), an arm structure (292), and a link structure (296). The braking assembly (288) is configured to be fixedly mounted to the body (180). The arm structure (292) is configured to execute rotation about a first axis (312), the rotation of the arm structure (292) being dampened by the braking assembly (288). The link structure (296) is rotatably coupled to the arm structure (292) to rotate about a second axis (316), and is movable in correspondence with the swinging movement of the door (184) to exert and transfer a force, F, to the arm structure (292). A direction of the force, F, defines an angle between 80 - 100 degrees with respect to an axis (326) or a plane (328) passing through the first axis (312) and the second axis (316) throughout the swinging movement of the door (184).



21: 2023/08193. 22: 2023/08/24. 43: 2024/10/09
51: A61K; A61P
71: ESPERVITA THERAPEUTICS, INC.
72: ONICIU, DANIELA CARMEN, STEINBERG, GREGORY R, HEATON, SPENCER, NEWTON, ROGER SCHOFIELD, LALLY, JAMES STUART VINCENT, GAUTAM, JAYA
33: US 31: 63/285,890 32: 2021-12-03
33: US 31: 63/141,269 32: 2021-01-25
54: FUNCTIONALIZED LONG-CHAIN CARBOXYLIC ACIDS, AND THEIR USE FOR TREATMENT OF DISEASE
00: -
This invention provides methods for treating or preventing kidney diseases and fibrosis, such as chronic kidney disease (CKD), kidney fibrosis, heart fibrosis, uterine fibrosis, and cystic fibrosis, with compounds of Formulae (I), (IA), (IB), (IC), (ID), (IE), (IF), (IG), (IH), (IJ), (II), (III), (IIIA), and (IIIB); pharmaceutically acceptable salts and solvates thereof; and compositions thereof.



21: 2023/08195. 22: 2023/08/24. 43: 2024/10/18
51: C01G
71: PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD.
72: YE, ENDONG, WANG, JIANXIN, ZHOU, LI, WANG, DONGSHENG
33: CN 31: 202211025928.6 32: 2022-08-25
54: AN EFFICIENT BOILING CHLORINATION METHOD FOR CARBONIZED SLAG
00: -
The invention discloses an efficient boiling chlorination method for carbonized slag, which comprises the following steps: setting chlorination conditions of a first-stage boiling chlorination furnace and a second-stage boiling chlorination furnace based on TiC content in the carbonized slag, and introducing a high-concentration mixed gas into the second-stage boiling chlorination furnace, wherein the first-stage boiling chlorination furnace and the second-stage boiling chlorination furnace are connected in series; adding the carbonized slag into the first-stage boiling chlorination furnace for preliminary chlorination reaction; discharging the carbonized slag after the preliminary chlorination reaction into the second-stage boiling chlorination furnace for deep chlorination reaction, discharging tailings after the reaction, and introducing the residual gas in the second-stage boiling chlorination furnace into the first-stage boiling chlorination furnace after cyclone dust removal. By arranging two-stage boiling chlorination in series, the method of the invention realizes contact reaction of high-concentration $Cl_2$with refractory carbonized slag, and reaction of low-concentration $Cl_2$with TiC on a surface layer of new carbonized slag, which not only improves chlorine utilization rate, greatly reduces alkali consumption and reduces production cost of titanium tetrachloride, but also improves chlorination efficiency of carbonized slag and comprehensive chlorination effect.

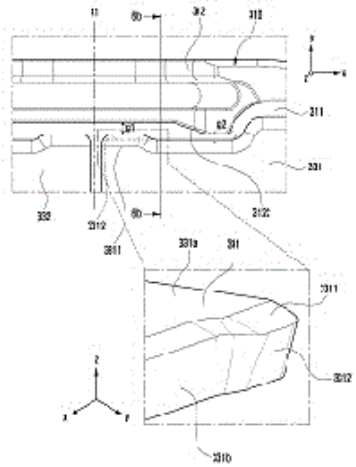


21: 2023/08216. 22: 2023/08/25. 43: 2024/10/09
51: G06F; G09F
71: SAMSUNG ELECTRONICS CO., LTD.
72: KIM, DOORYONG, BAEK, INYOUL
33: KR 31: 10-2021-0011067 32: 2021-01-26

54: ELECTRONIC DEVICE COMPRISING BREAKAGE PREVENTION STRUCTURE

00: -

An electronic device, according to various embodiments, comprises: a first housing; a second housing; a hinge device for movably connecting the first housing and the second housing with respect to each other on the basis of a folding shaft, the hinge device including a hinge housing including an accommodating part, and a hinge module disposed in the accommodating part and including at least one rotator connecting the first housing and the second housing; and a flexible display disposed so as to be supported by at least a portion of the first housing, the second housing, and the hinge device, wherein at least a portion of the at least one rotator may be disposed to be at least partially in contact with the hinge housing in a folded state and spaced apart from the hinge housing by a predetermined distance in an unfolded state.

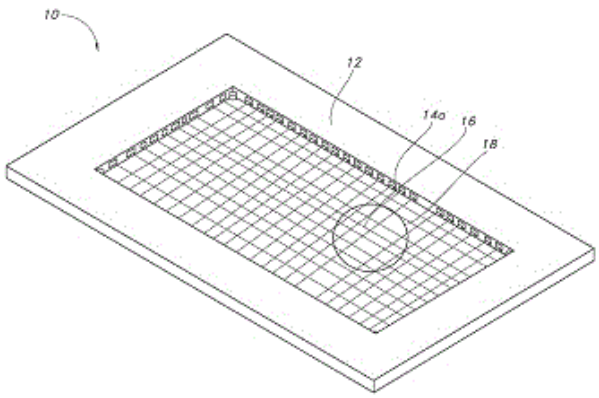


21: 2023/08219. 22: 2023/08/25. 43: 2024/10/09
51: G08B; E05G; H04B; E04H
71: CUTTING EDGE PACKAGING SOLUTIONS
72: VEGLIANTE, PAUL, RUSIN III, WILLIAM G
33: US 31: 17/217,138 32: 2021-03-30

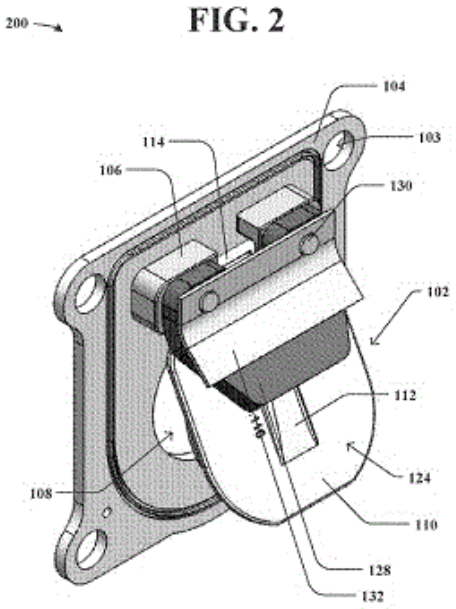
54: SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL

00: -

A system and method for automatically detecting unauthorized entry into a pool requiring no user involvement, and having a high degree of accuracy. The system comprises a plurality of light beam emitter devices and a plurality of light beam receiver devices positioned about the pool and a processor in communication with the plurality of light beam emitter devices and the plurality of light beam receiver devices. The plurality of light beam emitter devices emit a plurality of light beams and the plurality of light beam receiver devices receive a plurality of emitted light beams to form a grid extending across the pool. Additionally, the processor monitors the grid, detects unauthorized entry into the pool based on an interruption of the grid, and generates and transmits an alarm message based on whether a level of the interruption of the grid exceeds a predetermined threshold.



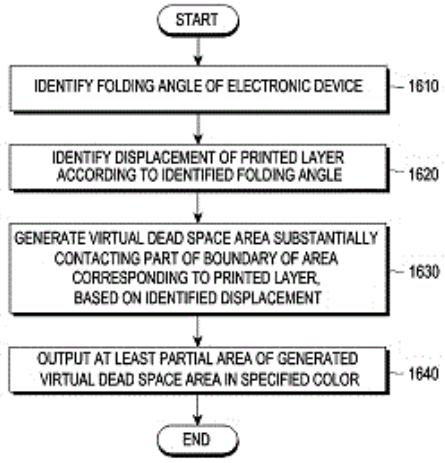
21: 2023/08220. 22: 2023/08/25. 43: 2024/10/09
51: F04B; F16K
71: WARREN RUPP, INC.
72: BEASLEY, ROBERT, MORRIS, BRENT, ROCKWELL, JIM, WAWROWSKI, JOHN
33: US 31: 63/165,955 32: 2021-03-25
54: FLAP VALVE FOR DIAPHRAGM PUMP
00: -
One or more techniques and/or systems are disclosed for a flap valve in a diaphragm pump. The flap valve includes a body and a self-centering hinge portion. A front portion of the body includes a front surface having a raised portion and a recessed portion. The front surface is configured to form a seal with a surface of the pump when the body is in a closed position, the surface of the pump being at an inlet or an outlet of a pumping chamber. The body is configured to allow a downstream flow of a fluid when the flap valve is in an open position. The self-centering hinge portion is operably connected to the body. The self-centering hinge portion has a dynamically changing longitudinal axis. The body is configured to simultaneously translate and rotate about the dynamically changing longitudinal axis to form the seal.



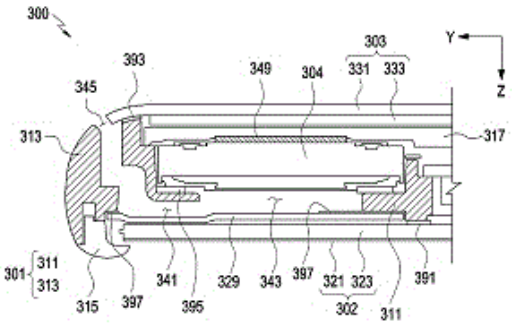
21: 2023/08258. 22: 2023/08/28. 43: 2024/10/09
51: A61Q; A61K; C11D
71: UNILEVER GLOBAL IP LIMITED
72: DAY, KIMBERLY, KOZAR, MORGAN NICOLE, RIENZO, MATTHEW JOSEPH, VASUDEVAN, TIRUCHERAI VARAHAN
33: US 31: 16/832644 32: 2020-03-27
33: EP 31: 20169711.7 32: 2020-04-15
54: COMPOSITIONS COMPRISING NATURALLY DERIVED PRESERVATIVES
00: -
The invention is directed to a composition suitable for topical application that comprises a naturally derived preservative having benzoic acid or a derivative thereof. The composition is stable when preserved with the naturally derived preservative and when at a pH that is above the natural pH of skin to as high as 7.25.

21: 2023/08263. 22: 2023/08/28. 43: 2024/10/09
51: G06F; G09F
71: SAMSUNG ELECTRONICS CO., LTD.
72: SHIN, HYUNHO, KIM, YONGYOUN, AN, JUNGCHUL
33: KR 31: 10-2021-0013165 32: 2021-01-29
54: ELECTRONIC DEVICE COMPRISING FLEXIBLE DISPLAY, AND METHOD FOR CONTROLLING SAME
00: -
Disclosed are an electronic device comprising a flexible display and a method for controlling same. An electronic device according to one embodiment

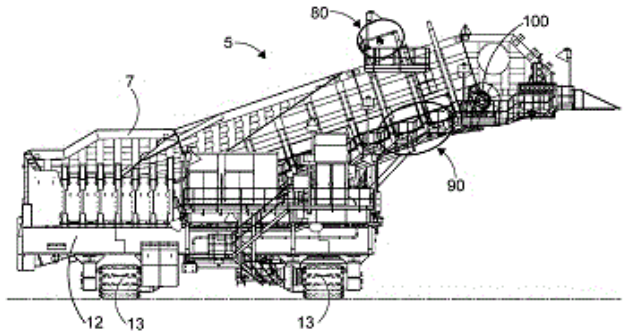
of the present invention comprises: a flexible display; and at least one processor. The at least one processor may be configured to: identify the folding angle of the electronic device; identify the displacement of a printed layer of the flexible display according to the identified folding angle; generate a virtual dead space region to substantially abut a portion of the boundary of the printed layer on the basis of the identified displacement; and output at least a portion of the generated virtual dead space region in a specified color on the flexible display.



21: 2023/08264. 22: 2023/08/28. 43: 2024/10/09
51: G06F; H04R
71: SAMSUNG ELECTRONICS CO., LTD.
72: JUNG, KIYOUNG, AN, JUNGCHUL
33: KR 31: 10-2021-0013377 32: 2021-01-29
54: ELECTRONIC DEVICE COMPRISING SPEAKER MODULE
00: -
An electronic device is provided. The electronic device includes an acoustic waveguide, a first support plate for defining at least a part of the acoustic waveguide at one surface thereof, a first display arranged on the one surface of the first support plate, a second display arranged on the other surface of the first support plate, and a speaker module arranged on the other surface of the first support plate between the first support plate and the second display, wherein the acoustic waveguide can be formed to radiate, from one side of the second display to an external space, a sound outputted from the speaker module.



21: 2023/08265. 22: 2023/08/28. 43: 2024/10/09
51: B65G; E02F; G01F; G01G; E21C
71: MMD GROUP LIMITED
72: PEARSON, CHRISTOPHER
33: GB 31: 2103455.8 32: 2021-03-12
54: FEEDER
00: -
A feeder (5) comprising: a feed device having: a material receiving end for receiving material; a material discharge end (11) distal of the material receiving end; an endless conveyor disposed to define a conveying surface (9) between the material receiving end and the discharge end (11) movable in use to cause material received at the material receiving end to be conveyed to the material discharge end (11), wherein the endless conveyor comprises a plurality of successively arrayed metal plates, pans or flights; a material flow monitoring device disposed in association with the feed device and adapted to obtain in use a measurement representative of a quantity of material passing along the conveying surface (9) of the endless conveyor; wherein the material flow monitoring device is adapted to obtain a measurement representative of a weight of material passing along the conveyor.

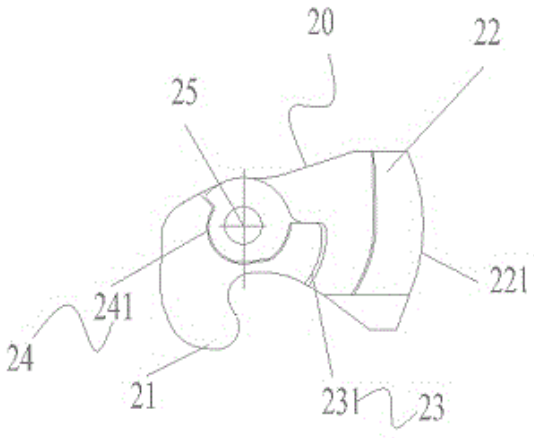


21: 2023/08270. 22: 2023/08/28. 43: 2024/10/09
51: B60D; B61G
71: CRRC QIQIHAR ROLLING STOCK CO., LTD.
72: CUI, YINGJUN, FAN, SHILIANG, MENG, QINGMIN, JIN, PENGDI, WANG, YAN, WEI, MINGYU
33: CN 31: 202110622354.X 32: 2021-06-03

54: COUPLER AND VEHICLE WITH COUPLER

00: -

Provided in the present disclosure are a coupler and a vehicle with the coupler. The coupler includes: a coupler body, having an accommodating cavity, a first impact protection pin flange being disposed on the coupler body; and a coupler tongue, pivotally connected to the coupler body. The coupler tongue includes a head portion and a tail portion. The tail portion is positioned inside the accommodating cavity, and a first interval d is formed between an end surface of the tail portion and the coupler body. The coupler tongue further includes a second impact protection pin flange, and a second interval b is formed between the first impact protection pin flange and the second impact protection pin flange, wherein the first interval d and the second interval b satisfy: d b. Applying the technical solution of the present disclosure may solve the problem in a related art that the protection pin flange of a coupler is prone to being broken, causing the coupler to be scrapped.

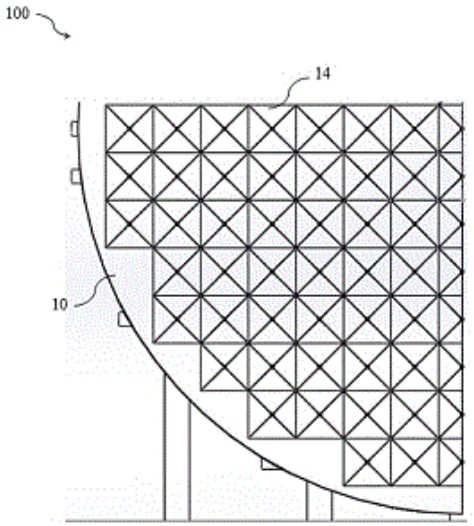


21: 2023/08271. 22: 2023/08/28. 43: 2024/10/18
51: C01G; F27B
71: PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD.
72: ZHOU, LI, WANG, JIANXIN, YE, ENDONG, WANG, DONGSHENG
33: CN 31: 202211135824.0 32: 2022-09-19

54: GAS DISTRIBUTION DEVICE AND CHLORINATION FURNACE

00: -

A gas distribution device and a chlorination furnace are provided. The device includes: a distribution plate with multiple through holes; multiple branch pipes passing through the multiple through holes; a main intake pipe installed on the outside of a bottom surface of the distribution plate and fluidly connected to the multiple branch pipes; wherein the distribution plate is provided with multiple grooves on a top surface, the grooves gradually shrinks in size from notch to bottom, and each groove is fluidly connected with one of the through hole at the bottom. The present invention can reduce or avoid the formation of fluidized dead zones in non-perforated parts of the distribution plate, thereby greatly avoiding sintering at a bottom of a chlorination furnace when the fluidized state is poor.



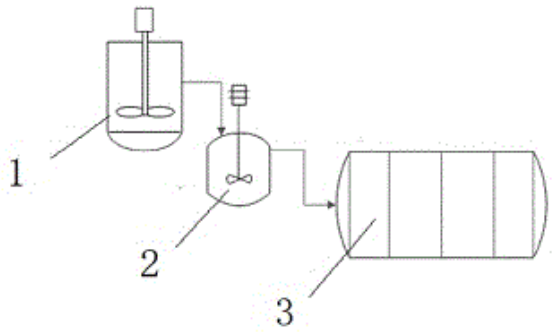
21: 2023/08272. 22: 2023/08/28. 43: 2024/10/18
51: C22B; B01F
71: PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD.
72: SHEN, BIAO, YE, LU, CHEN, YAN
33: CN 31: 202223411774.2 32: 2022-12-19

54: A ROTARY CONTINUOUS LEACHING DEVICE FOR VANADIUM SLAG CALCIFICATION ROASTING CLINKER

00: -

The invention discloses a rotary continuous leaching device for vanadium slag calcification roasting clinker, which comprises a calcification clinker slurry

making tank, a rapid leaching reaction tank and a rotary continuous leaching apparatus which are connected in sequence, wherein, the rotary continuous leaching apparatus comprises a horizontal cylinder and a rotating mechanism for driving the horizontal cylinder to rotate. The first end of the horizontal cylinder is provided with a feed port, and the second end of the horizontal cylinder is provided with a discharge port. According to the rotary continuous leaching device for vanadium slag calcification roasting clinker provided by the invention, the horizontal cylinder with continuous rotating is used as a rotary continuous leaching apparatus, so that continuous leaching production is realized, and the technical problem that a belt filter capable of continuous production cannot be well matched with intermittent leaching production facilities is effectively avoided, so that the productivity is effectively improved, the leaching production efficiency is improved, and the leaching rate of vanadium in clinker is ensured to be stable.

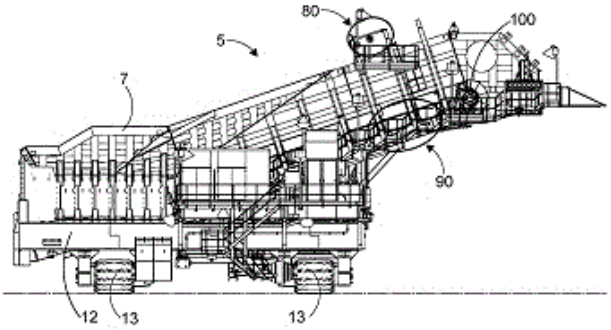


21: 2023/08273. 22: 2023/08/28. 43: 2024/10/09
51: B65G; E02F; G01F; G01G; E21C
71: MMD GROUP LIMITED
72: PEARSON, CHRISTOPHER
33: GB 31: 2103455.8 32: 2021-03-12

54: FEEDER

00: -

The disclosure relates to a feeder apparatus, system and method applied to the movement of bulk material and in particular for the movement of bulk run of mine material from a working site. In particular, a feeder (5) is disclosed comprising: a feed device having a material receiving end for receiving material; a material discharge end (11) distal of the material receiving end; an endless conveyor disposed to define a conveying surface (9) between the material receiving end and the discharge end (11) movable in use to cause material received at the material receiving end to be conveyed to the material discharge end (11), wherein the endless conveyor comprises a plurality of successively arrayed metal plates, pans or flights; a material flow monitoring device disposed in association with the feed device and adapted to obtain in use a measurement representative of a quantity of material passing along the conveying surface (9) of the endless conveyor; wherein the feed device is conformed as a surge conveyor; the feeder further comprises a chassis (12) supporting the feed device; and a transport carriage supporting the chassis (12) and adapted to cause the feeder (5) to be movable across a surface for deployment in use; and the material flow monitoring device is adapted to obtain a measurement representative of at least one of: a volume of material passing along the conveyor; a weight of material passing along the conveyor.



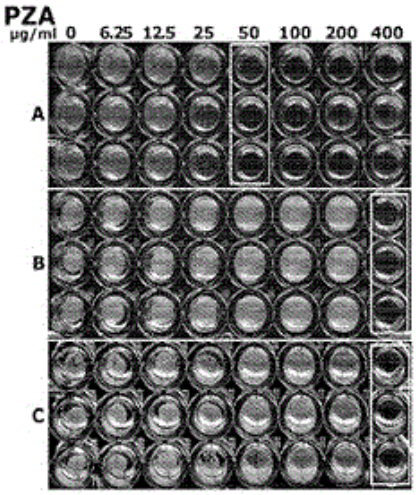
21: 2023/08331. 22: 2023/08/29. 43: 2024/10/09
51: G01N; C12Q
71: SHI, WANLIANG
72: SHI, WANLIANG
33: US 31: 63/164,489 32: 2021-03-22
33: US 31: 63/249,865 32: 2021-09-29

54: MYCOBACTERIUM TUBERCULOSIS COMPOSITIONS AND METHODS

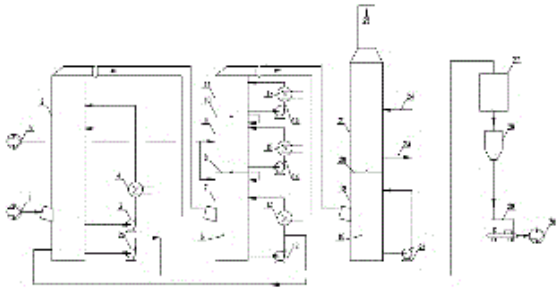
00: -

Novel nutrient compositions for facilitating Mycobacterium tuberculosis growth and achieving activity of PZA at neutral pH (e.g., 6.8) are described. These compositions utilize conventionally unfavored growth nutrients, including certain amino acids, cholesterol, lactate, fatty acids, or ammonium salts that are associated with Mycobacterium tuberculosis persistence in vivo. The present application describes methods for using such

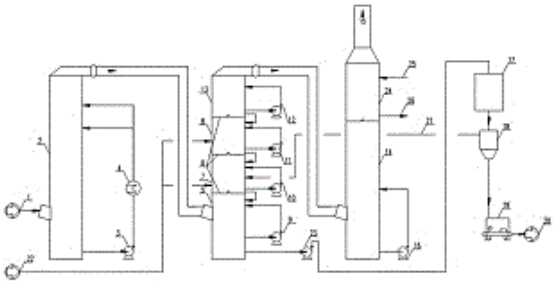
compositions to provide a reliable method for PZA susceptibility testing in which all tuberculosis drug susceptibility tests can be integrated into an efficient and economical system. The present application further describes screening and identification of PZA-like drugs in vitro for tuberculosis treatment.



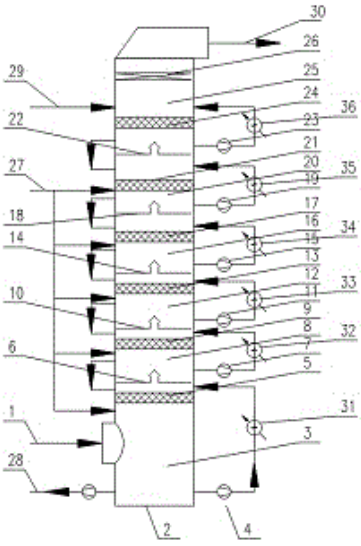
21: 2023/08332. 22: 2023/08/29. 43: 2024/10/09
51: B01D
71: JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
72: ZHANG, JUN, QI, LIFANG, WANG, JINYONG, LUO, JING
33: CN 31: 202210553874.4 32: 2022-05-19
54: DEVICE AND METHOD FOR STAGED ABSORPTION AMMONIA-BASED DECARBONIZATION
00: -
Staged absorption ammonia-based decarbonization using an absorption circulating liquid containing ammonium salts to remove carbon dioxide in a gas, and control ammonia escape while realizing efficient decarbonization through staged solution composition control and reaction condition control. Staged solution composition control may include concentration gradient control of ammonium carbonate, ammonium bicarbonate, ammonium carbamate, ammonia, or combinations thereof, which may be characterized by the molar ratio of total ammonia to total CO2. Reaction condition control may include temperature control, pH control, and pressure control. The flue gas may enter the decarbonization tower, and through staged absorption, establishment of concentration, temperature, and multi-point addition of ammonia, decarbonization efficiency may be improved, decarbonization operating costs may be saved, and ammonia escape may be controlled.



21: 2023/08334. 22: 2023/08/29. 43: 2024/10/09
51: B01D
71: JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.
72: ZHANG, JUN, WANG, JINYONG, QI, LIFANG, LUO, JING
33: CN 31: 202210553353.9 32: 2022-05-20
54: METHOD AND DEVICE FOR PRODUCING AMMONIUM BICARBONATE IN AMMONIA-BASED DECARBONIZATION SYSTEM
00: -
Apparatus and method for producing ammonium bicarbonate in an ammonia-based decarbonization system are provided. The apparatus comprises a cooling function zone operable to cool a process gas; an ammonium bicarbonate generation zone operable to generate ammonium bicarbonate; a carbon dioxide absorption zone operable to absorb, via multi-stage absorption, carbon dioxide from the process gas; and an ammonia removal function zone operable to remove ammonia from a decarbonized process gas, wherein absorbent ammonia for carbon dioxide removal is mainly added into the carbon dioxide absorption zone. Through zone control of ammonium bicarbonate generation, CO2 absorption and ammonia removal, the efficiency of decarbonization absorption may be improved, and ammonia escape may be reduced. Meanwhile, carbon dioxide in flue gas can be utilized for producing ammonium bicarbonate as a nitrogen fertilizer.



21: 2023/08387. 22: 2023/08/30. 43: 2024/10/10
51: B01D; C01C
71: JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
72: ZHANG, JUN, QI, LIFANG, WANG, JINYONG, LUO, JING
33: CN 31: 202210553333.1 32: 2022-05-20
54: MULTI-STAGE AMMONIA-PROCESS DECARBONIZATION METHOD
00: -
The invention relates to a method for multi-stage ammonia-process decarbonization, the method comprising absorbing, using ammonia as an absorbent, $CO_2$from a process gas in an absorber including four or more stages of absorption, the four or more stages including, sequentially arranged along the flow direction of the process gas, a first-stage absorption, a second-stage absorption, a third-stage absorption, a fourth-stage absorption, and an optional higher stage absorption; and controlling a temperature of the process gas in the second- and third-stage absorptions to be not lower than a temperature of the process gas in the first-stage absorption, and a temperature of the process gas in the fourth- and the optional higher-stage absorptions to be lower than the temperature of the process gas in the first-stage absorption.



21: 2023/08391. 22: 2023/08/30. 43: 2024/10/09
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: ADAMS, AMANDA JANE, CARSWELL, ROBERT JOHN, CORLETT, GRAHAM, MIXTRO SERRASQUEIRO, MARINA
33: EP 31: 21165346.4 32: 2021-03-26
54: PRODUCT FOR MACHINE DISHWASHING IN THE FORM OF A CAPSULE WITH MULTIPLE COMPARTMENTS
00: -
The present invention relates to a product for machine dishwashing, comprising a capsule containing two or more compartments. The first compartment contains a solid, powdered first composition; and a second compartment contains liquid or gel second composition. The bleaching performance has been optimised, leading to better removal of tea stains. This has been achieved by an optimal combination of an alkali metal carbonate, a bleach component, sodium silicate and/or sodium disilicate, a bleach catalyst, and a maximum amount of tetraacetylethylenediamine.

21: 2023/08393. 22: 2023/08/30. 43: 2024/10/09
51: A01M
71: MOSKYP S.R.L.
72: BISACCIONI, ANDREA
33: IT 31: 102021000005414 32: 2021-03-09
54: DISPENSER OF PARASITICIDAL SUBSTANCES
00: -

A dispenser of parasiticidal substances comprises at least one tank (6) containing a parasiticidal substance, leading to an ejection device (20) for expelling the parasiticidal substance, suitable for being filled with parasiticidal substance and for emitting it as a result of an increase in the temperature.

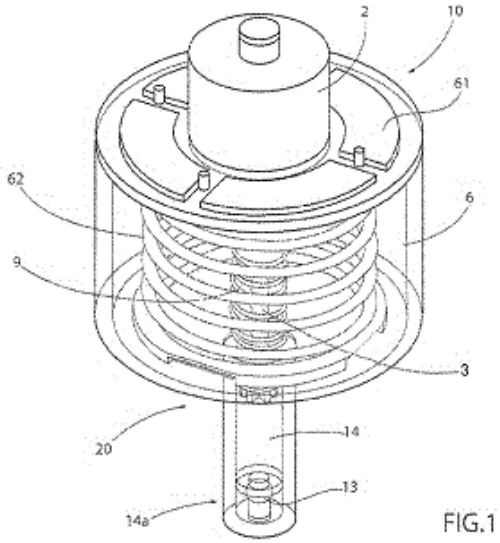
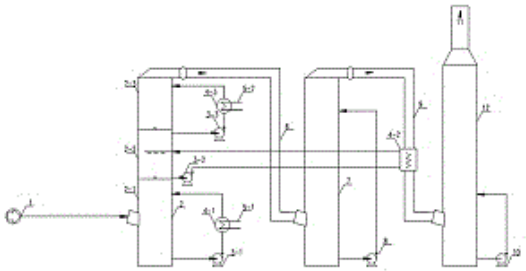
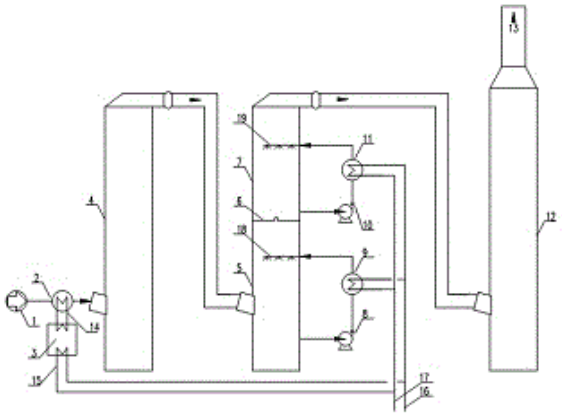


FIG.1

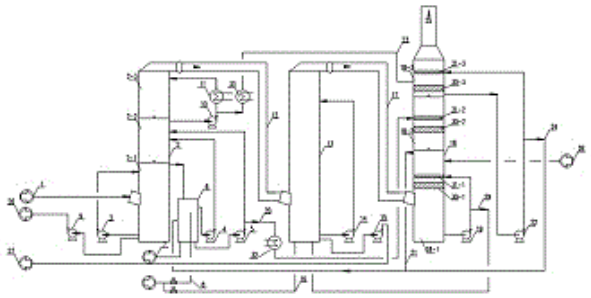
21: 2023/08394. 22: 2023/08/30. 43: 2024/10/09
51: B01D
71: JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
72: LUO, JING, ZHANG, JUN, WANG, JINYONG, QI, LIFANG
33: CN 31: 202210531132.1 32: 2022-05-16
54: COOLING APPARATUS AND METHOD FOR AMMONIA-BASED DECARBONIZATION
00: -
Ammonia-based decarbonization cooling apparatus and a method therefor. The cooling apparatus may include: a first-stage cooling function zone which may use a first circulating liquid to cool a process gas to a temperature of Tgas 1, a second-stage cooling function zone which may use a second circulating liquid to cool the process gas to a temperature of Tgas 2, and a third-stage cooling function zone which may use a third circulating liquid to cool the process gas to a temperature of Tgas 3, wherein Tgas 3 <Tgas 2 <Tgas 1 <Tgas 0, and Tgas 0 is an initial temperature of the process gas when entering the first-stage cooling function zone; a first cold source for cooling the first circulating liquid, a second cold source for cooling the second circulating liquid, and a third cold source for cooling the third circulating liquid, wherein the three cold sources may be different. The apparatus and method of the present invention use circulating water or a closed cooling tower or an air cooler, cold process gas, chilled liquid or a chiller for staged cooling, respectively, to make full use of low-energy cold and recycling of process gas cold, thus saving investment costs and reducing energy consumption.



21: 2023/08395. 22: 2023/08/30. 43: 2024/10/09
51: B01D
71: JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
72: LUO, JING, WANG, JINYONG, ZHANG, JUN, QI, LIFANG
33: CN 31: 202210529871.7 32: 2022-05-16
54: METHOD AND DEVICE FOR WASTE HEAT RECOVERY IN AMMONIA-BASED DESULFURIZATION AND DECARBONIZATION SYSTEM
00: -
The present invention relates to a method for waste heat recovery in an ammonia-based desulfurization and decarbonization system, in which a heat of decarbonization system is removed by using a heat of a process gas before desulfurization, the process gas before desulfurization passes through a gas heat exchanger to heat an intermediate medium, and the intermediate medium drives a refrigerator for refrigeration, a refrigerant obtains a cooling capacity and reduces the temperature of the decarbonized process gas through the liquid-liquid heat exchanger. The present invention makes full use of the waste heat in the process gas, and is capable of being used for cooling the decarbonization process gas and reducing energy consumption.



21: 2023/08396. 22: 2023/08/30. 43: 2024/10/09
51: B01D; C05C
71: JIANGNAN ENVIRONMENTAL TECHNOLOGY INC
72: LUO, JING, ZHANG, JUN, QI, LIFANG, WANG, JINYONG
33: CN 31: 202210552210.6 32: 2022-05-19
54: DEVICE AND METHOD FOR CONTROLLING AMMONIA ESCAPE IN AMMONIA-BASED DECARBONIZATION SYSTEM
00: -
Apparatus and methods for controlling ammonia escape in an ammonia-based decarbonization system, wherein ammonia may be used as the desulfurization and decarbonization agent, the gas may first enter the desulfurization device for desulfurization to produce ammonium sulfate fertilizer, and the desulfurized gas may enter the decarbonization device to remove carbon dioxide in the gas, and may produce ammonium bicarbonate fertilizer. The decarbonized gas may include free ammonia, and the free ammonia in the gas may be absorbed with the acidic ammonium sulfate solution and acidic water washing liquid of ammonia-based desulfurization.



21: 2023/08448. 22: 2023/09/01. 43: 2024/10/08
51: H04W
71: EDUCHECK (PTY) LTD
72: PRETORIUS, Johanna, Maria, JANSE VAN RENSBURG, Bernice
54: EDUCATION BASED RECORD KEEPING SYSTEM
00: -
The invention relates to a centrally accessible education-based record keeping system which includes data input associated with education service providers, and, learners associated with the education service providers, the data input further including, wherein the data input associated with a learner is further verifiable by the registered user.

21: 2023/08731. 22: 2023/09/13. 43: 2024/10/24
51: A41D A62B
71: LIGHTHOUSE WORLDWIDE SOLUTIONS, INC.
72: NEWMAN, Paul
33: US 31: 17/182,834 32: 2021-02-23
54: FITTED FACE MASK APPARATUS
00: -
A face mask apparatus configured to more closely adhere to the face of the user such that it is fitted to the bridge of the nose to minimize any vision obstruction by a wearer. The face mask is equipped with a nose bridge segment, a mouth segment, and a chin segment, each disposed in serial communication at obtuse angles. A nose bridge support is disposed within a material of the nose bridge segment and is configured to ensure that the mask remains in position during movement of the face. Additionally, a secondary support is present within the mouth segment to ensure the mask is fitted to the face of the user for comfort and to ensure efficacy. The material of the mask is configured to filter bacteria, viruses, pollen, mold, dust, and other debris, and is preferably removably affixed to the face of the user via retention straps.

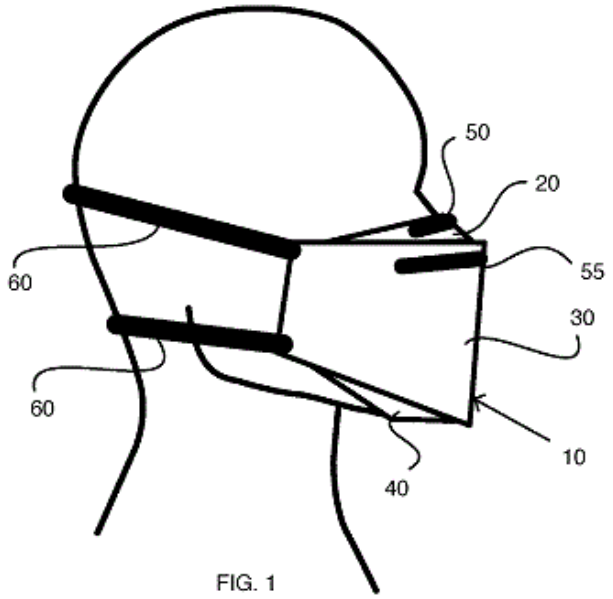


FIG. 1

21: 2023/08856. 22: 2023/09/19. 43: 2024/09/25
51: F16F; G01C; G01R; G01V
71: Vale S.A.
72: POLZER, Benjamim David, BAILEY, Richard Curtis
33: CA 31: 3175615 32: 2022-09-20
54: APPARATUS FOR STABILIZATION OF AN INSTRUMENTATION PLATFORM
00: -
An apparatus for rotation rate damping of a suspended platform, the apparatus including a plurality of vertically-extended partially-filled fluid reservoirs, each of the reservoirs being open at a top and offset from a center of gravity of the suspended platform, the reservoirs being connected by tubing permitting fluid to flow between reservoirs in response to gravitational accelerations; wherein motion of the fluid in the tubing creates damping of the rotational motion of the platform.

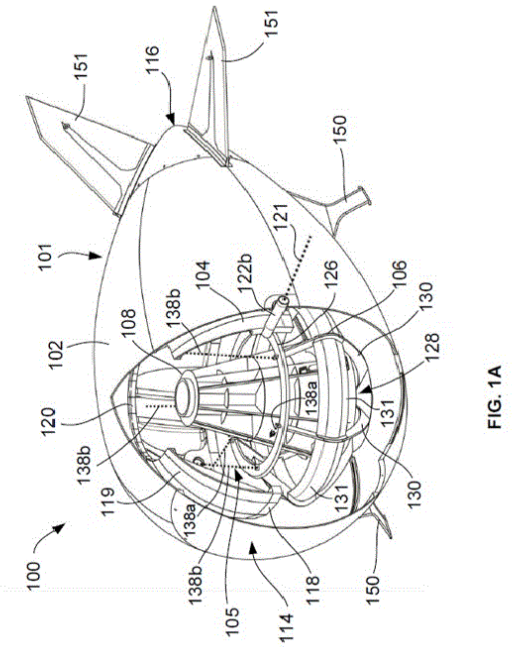
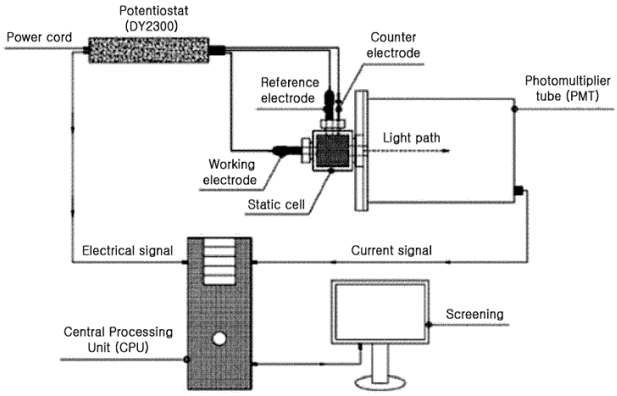


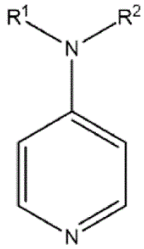
FIG. 1A

21: 2023/08865. 22: 2023/09/19. 43: 2024/09/19
51: A01N
71: Valent BioSciences LLC
72: SILVERMAN, Franklin Paul, WILSON Jr., Dale O.
33: US 31: 63/167,757 32: 2021-03-30
54: SUCCINATE DEHYDROGENASE INHIBITORS FOR BREAKING DORMANCY
00: -
The present invention is directed to methods of promoting bud break in woody perennial plants by applying succinate dehydrogenase inhibitors. The present invention is further directed to methods of synchronizing bud break in woody perennial plants by applying succinate dehydrogenase inhibitors. The present invention is directed to methods of promoting growth in woody perennial plants by applying succinate dehydrogenase inhibitors.

21: 2023/08897. 22: 2023/09/20. 43: 2024/10/24
51: C07D G01N C09K
71: ELIPS DIAGNOSTICS INC.
72: SHIN, Ik-Soo;
33: KR 31: 10-2021-0026210 32: 2021-02-26
33: KR 31: 10-2022-0016178 32: 2022-02-08
54: NOVEL ELECTROCHEMILUMINESCENCE CO-REACTANT, AND ELECTROCHEMILUMINESCENCE SYSTEM COMPRISING SAME
00: -

The present invention relates to a novel electrochemiluminescent (ECL) co-reactant, and an electrochemiluminescent system comprising same. The electrochemiluminescence co-reactant including a compound represented by chemical formula (I), or a pharmaceutically acceptable salt thereof, is used as an electrochemiluminescent label of a specific luminescent species (a polycyclic aromatic hydrocarbon compound, a metal complex compound, a quantum dot, or nanoparticles, etc.), so that the detection signal when measuring electrochemiluminescence is excellent, and the voltage application condition can be improved, and thus the electrochemiluminescence co-reactant can be widely and generally applied to immunoassays and diagnostic devices based thereon, as well as chemical analysis methods and diagnostic devices based thereon. [Chemical formula I] In chemical formula I, R^1 and R^2 may be the same as or different from each other, and represent any one selected from the group consisting of: a hydrogen atom; a halogen atom; a C1-C6 straight-chain, pulverized, or cyclic alkyl group; a C1-C6 alkoxy group; and a C1-C6 haloalkyl group.



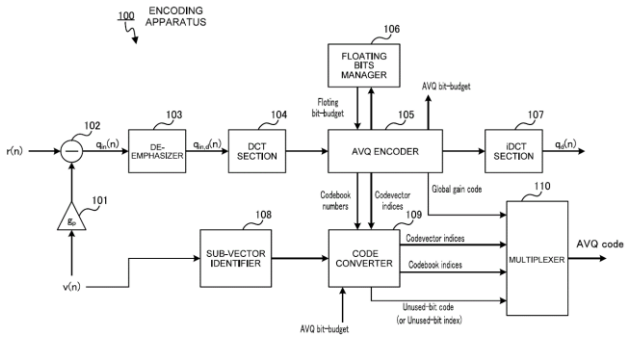


21: 2023/08899. 22: 2023/09/20. 43: 2024/10/24
51: H03M G10L
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: NAGISETTY, Srikanth, LIM, Chong Soon, EHARA, Hiroyuki, HARADA, Akira
33: US 31: 63/164,942 32: 2021-03-23
33: JP 31: 2021-118130 32: 2021-07-16

54: ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD

00: -

This encoding device comprises: a quantization circuit that generates a quantization parameter including first information related to a codebook of vector quantization and second information related to code vectors included in the codebook; and a control circuit that, on the basis of the number of bits useable for encoding, among a plurality of sub-vectors, sub-vectors including at least a target sub-vector, determines whether to use, for vector quantization, first encoding of the first information for the target sub-vector or second encoding of a second number of bits based on the difference between an allocated number of bits for vector quantization and the number of bits of the quantization parameter.



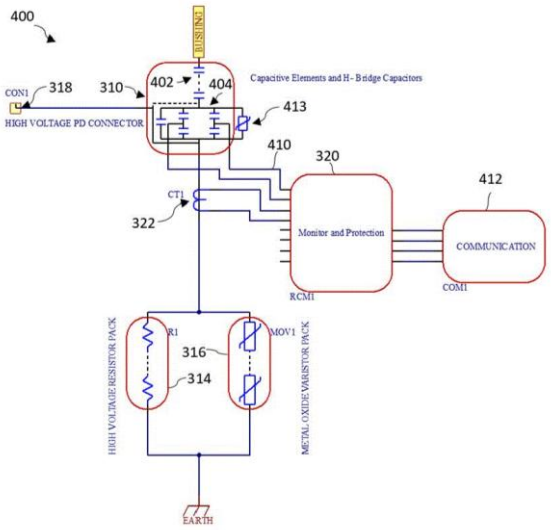
21: 2023/08915. 22: 2023/09/20. 43: 2024/10/28
51: H02H
71: STRIKE TECH (PROPRIETARY) LIMITED
72: SCHUTTE, Christo, KINLOCH, Brenton
33: ZA 31: 2021/02395 32: 2021-04-13

54: AN ELECTRICAL SURGE SUPPRESSOR

00: -

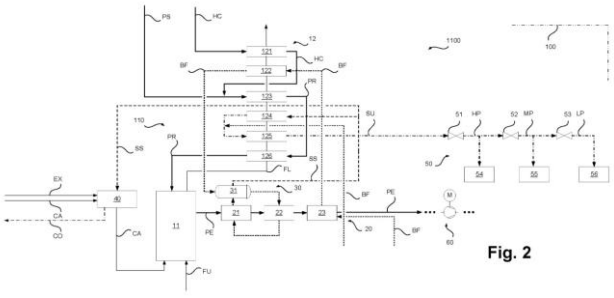
Electrical surge suppressor includes a capacitive component incorporated inside a housing and immersed in oil; a linear resistive component; and a nonlinear resistive component connected or connectable in parallel with the linear resistive component. Surge suppressor has a monitoring circuit configured to measure at least one operating characteristic of the linear and/or non-linear resistive and capacitive components and auxiliary power supply integrated within the capacitive component to

provide auxiliary supply voltage to the monitoring circuit. Capacitive component is connected in series with the parallel connected linear and non-linear resistive components and connected to a phase contact; the phase contact is connected or connectable to the load circuit; and the capacitive component is configured to provide high impedance connection to the linear and non-linear resistive components, at nominal power supply frequencies and, during switching transients, provides a low impedance to a combined resistive impedance of the linear and non-linear resistive components effectively into the load circuit.



21: 2023/09093. 22: 2023/09/27. 43: 2024/10/24
51: C12N C07K C12P
71: CJ CHEILJEDANG CORPORATION
72: CHOI, Woosung, JANG, Jaewon, BAEK, Mina, LEE, Kwang Woo
33: KR 31: 10-2021-0051233 32: 2021-04-20
54: L-AMINO-ACID-PRODUCING CORYNEBACTERIUM SP. MICROORGANISM, AND METHOD FOR PRODUCING L-AMINO ACIDS BY USING SAME
00: -
The present application relates to an L-amino-acid-producing Corynebacterium sp. microorganism, and a method for producing L-amino acids by using same.

21: 2023/09147. 22: 2023/09/28. 43: 2024/10/24
51: C10G; F22B
71: LINDE GMBH
72: HÖRENZ, Michael, ZELLHUBER, Mathieu, STEGEMANN, Robert, SCHMIDT, Gunther
33: EP 31: 21161768.3 32: 2021-03-10
54: METHOD AND SYSTEM FOR STEAMCRACKING
00: -
A method of steam cracking using a steam cracking arrangement (1100-1500) including one or more fired cracking furnaces (110), one or more quench cooling trains (20) and one or more compressors (60) and/or pumps as rotating equipment is proposed, wherein one or more process gas streams is or are passed at least through the one or more fired cracking furnaces (110) and the one or more quench cooling trains (20), and wherein the rotating equipment is at least partly driven by electric energy. According to the invention, one or more steam generation arrangements (30) is or are operated in thermal association with the one or more steam cracking arrangements (1100-1500), wherein using the one or more steam generation arrangements (30) at least superheated high pressure steam at a first pressure level of 30 and 175 bar absolute pressure and at a first temperature level and no steam at a higher temperature level than the first temperature level is generated, wherein the superheated high pressure steam at the first pressure level is at least in part adiabatically and isenthalpically expanded to a second pressure level below the first pressure level such that its temperature level is lowered to a second temperature level, and wherein the first temperature level is selected such that each intermediate temperature level reached at intermediate pressure levels of more than 20 bar during the adiabatic and isenthalpic expansion process is between 5 and 120 K above the dew point of steam at the respective intermediate pressure level during the adiabatic and isenthalpic expansion. A corresponding system (100) is also part of the present invention.

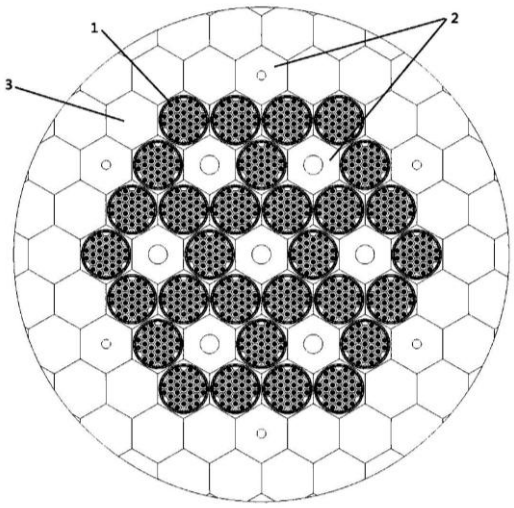

Fig. 2

21: 2023/09148. 22: 2023/09/28. 43: 2024/10/08
51: G21C
71: China Nuclear Power Engineering Co., Ltd.
72: YUAN, Yuan, LIU, Guoming, ZHANG, Chenglong, WANG, Jun
33: CN 31: 202110332498.1 32: 2021-03-29

54: GAS-COOLED MICRO-REACTOR CORE AND GAS-COOLED MICRO-REACTOR

00: -

A gas-cooled micro-reactor core, comprising a reflecting layer, fuel units, and a control rod assembly (2), wherein the control rod assembly (2) and the fuel units are all arranged in the reflecting layer, a plurality of fuel units are provided, each fuel unit comprises a pressure pipe (8) and a fuel assembly (1), the fuel assembly (1) is arranged in the pressure pipe (8) so as to make the pressure pipe (8) act as a pressure bearing boundary of the reactor core, and the control rod assembly (2) is arranged outside the pressure pipe (8). The reactor core is easy to mount, and solves the problems of many elements to be transported, a complex assembly, and a slow response to deployment of a high-temperature gas-cooled reactor.



21: 2023/09242. 22: 2023/10/03. 43: 2024/11/11
51: H02J
71: CONDUCTIFY LIMITED
72: TENNANT, ROBERT
33: GB 31: 2002293.5 32: 2020-02-19
33: GB 31: 2102250.4 32: 2021-02-17

54: HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM

00: -

This divisional relates to a system and method for optimizing energy management within an energy system that integrates both renewable and non-renewable energy sources are disclosed. The method utilizes historical energy demand data to predict future energy demand and weather forecast data to predict the availability of renewable energy. Based on these predictions, the system determines the amount of energy required from non-renewable sources and formulates an energy conservation strategy. The strategy is dynamic and adjusts the energy supply to storage devices and loads, taking into account the power supply limit of a power inverter. The method further considers constraints, such as the power supply limit of energy storage devices, when deciding between renewable and non-renewable sources. The prediction methodologies can be enhanced through the utilization of past observed energy availability data, employing buckets based on prediction parameters, and using prediction models, including neural networks. Furthermore, the method can adapt based on historical user inputs, circumstances data, and direct user feedback. The integrated approach ensures that energy demands are met efficiently while maximizing the use of renewable sources.

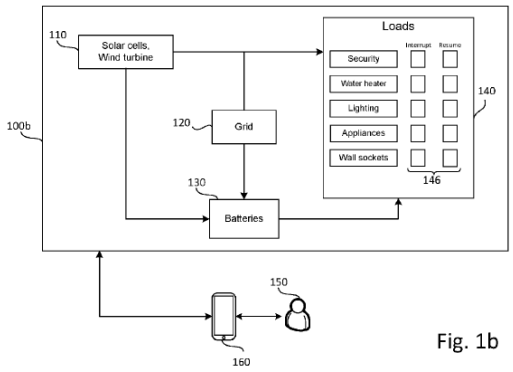


Fig. 1b

21: 2023/09243. 22: 2023/10/03. 43: 2024/11/11
51: H02J
71: CONDUCTIFY LIMITED
72: TENNANT, ROBERT
33: GB 31: 2002293.5 32: 2020-02-19
33: GB 31: 2102250.4 32: 2021-02-17

54: HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM

00: -

The present divisional application relates to a method and system for managing an energy system

that comprises renewable energy sources, energy storage devices, loads, and an external non-renewable energy source. This energy system can be connected, at least temporarily, to an external energy distribution grid. The method incorporates the generation of energy demand predictions based on historical data and predictions of renewable energy availability utilizing weather forecasts. This predicted availability is adjusted using historical renewable energy data. The system then determines the amount of energy to be obtained from the external non-renewable source based on these predictions. An energy conservation strategy is generated using these predictions and amounts, which subsequently directs the supply of energy to storage devices and/or loads. The method also provides ways to refine predictions using specific parameters related to time and weather, and incorporates user inputs and historical data to enhance the accuracy of its energy conservation strategy. This strategy aids in optimizing the energy distribution from renewable sources, energy storage, and non-renewable sources. Additionally, the invention details methods for charging storage devices based on various constraints. The invention also encompasses systems and computer-readable mediums adapted to implement this method.

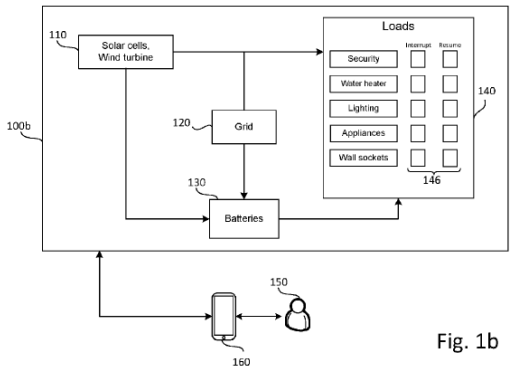


Fig. 1b

21: 2023/09460. 22: 2023/10/10. 43: 2024/10/21
51: C07C
71: LINDE GMBH
72: ZELLHUBER, Mathieu, SCHUBERT, Martin, MEISWINKEL, Andreas, WÖHL, Anina
33: EP 31: 21162664.3 32: 2021-03-15
54: PROCESS AND SYSTEM FOR PRODUCING A PRODUCT HYDROCARBON
00: -

A method for converting ethane to ethylene via oxidative dehydrogenation is proposed, where a feed mixture of ethane and oxygen undergoes selective oxidation, producing a mixture of ethylene and water. Part of this product mixture is processed to reduce its water content. During oxidation, oxygen in the feed is partially converted, resulting in different residual oxygen levels in the product and subsequent mixtures. Oxygen content is monitored with a measuring device, and another device measures temperature at the catalyst bed's end to assess operating stability. Data from these measurements are analyzed to control the process, which includes adjusting coolant temperature or oxygen levels in the feed. The patent also describes a plant equipped for this process, highlighting the integration of process control based on temperature and oxygen content monitoring to ensure efficient and stable production of ethylene.

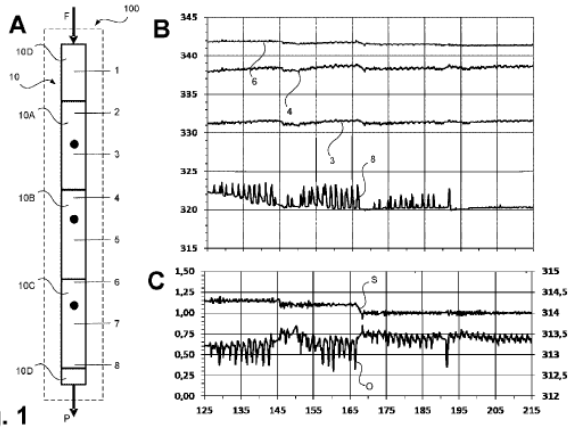
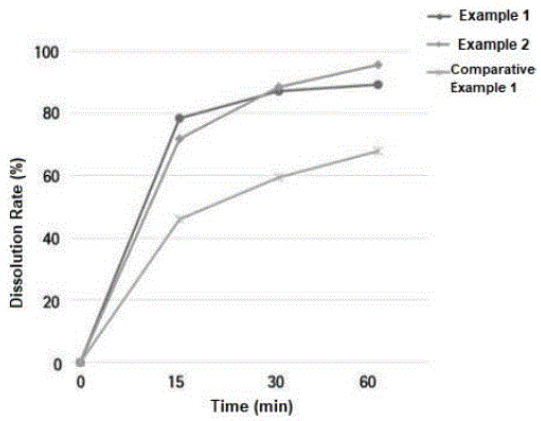


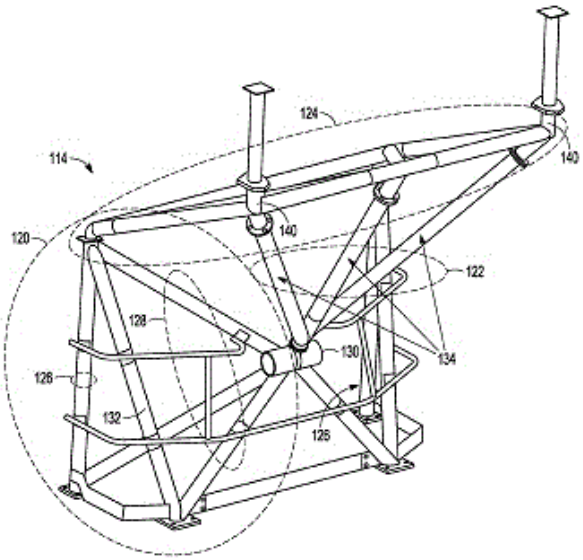
Fig. 1

21: 2023/09488. 22: 2023/10/11. 43: 2024/10/24
51: A61K
71: LG CHEM, LTD.
72: YOO, Seok Cheol, JANG, Joomyung, SEO, Jin A, LIM, Dohyung
33: KR 31: 10-2021-0049613 32: 2021-04-16
54: ORAL FORMULATION CONTAINING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID
00: -
The present invention relates to an oral formulation containing API selected from 1-(3-cyano-1-isopropyl-indol-5-yl)pyrazole-4-carboxylic acid or a pharmaceutically acceptable salt thereof, wherein the particle size D(0.9), which is the maximal particle size for 90% of the particles in cumulative particle size distribution, is 80 μm to 300 μm (both inclusive).

Although including a high content of API, the oral formulation according to the present invention exhibits low friability and an increased dissolution rate by controlling the particle size of the API to a specific range.



21: 2023/09497. 22: 2023/10/11. 43: 2024/10/29
51: H01Q
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: MAMER, JUSTIN R, MCDANIEL, QUINTIN W, LINGOZI, BABA S. C, VANCE, MICHAEL J
33: US 31: 17/227,893 32: 2021-04-12
54: ANTENNA MAST STRUCTURE
00: -
An antenna mast structure for a haul truck may include a buttressed frame having a support column and a raised frontal support point. The antenna mast structure may also include a propping element extending from the raised frontal support point and a top frame pivotally secured to the support column and supported at a front side by the propping element.

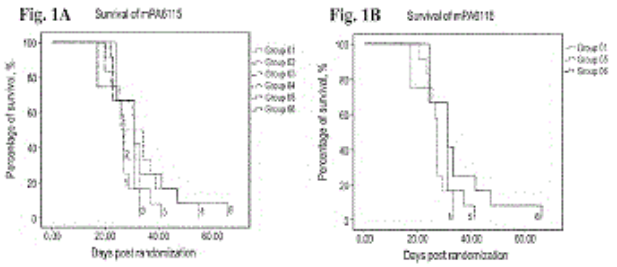


21: 2023/09747. 22: 2023/10/19. 43: 2024/10/18
51: E21D; E21F
71: CHINA RAILWAY TUNNEL GROUP CO., LTD., CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD.
72: ZHANG, YUQIANG, CHEN, FENGRONG, XIA, ZENGYIN, LIU, ZHENGGANG, ZHONG, XIAONING, ZHANG, YAJUN, MA, YONGLIANG, JI, XIANG, ZHENG, WENLONG, LI, YANG, YANG, QINFENG, HE, RUI, WANG, SHAOBO, LI, ZHIYONG, HE, JIANLUO, JIANG , QINGCHENG, DONG, DEHU, CHEN, CHAO, CHEN, YU, LIU, YIMING
33: CN 31: 202211294403.2 32: 2022-10-21
54: CONSTRUCTION METHOD FOR ON-SITE FORMING OF THE CENTRAL DITCH OF HIGHWAY TUNNEL
00: -
A construction method for on-site forming of the central ditch of highway tunnel relates to the construction field of highway tunnel, specifically through the steps of pouring the side wall of the central ditch, fabricating the cover plate formwork of the central ditch, installing the formwork support assemblies, fabricating and installing the steel bars of the cover plate of the central ditch, installing the foam plate, and pouring concrete for the central ditch cover plate. After pouring, isolation protection and water curing are carried out. When the central ditch cover plate has sufficient strength, the formwork support assemblies are removed, the sundries in the central ditch are cleaned up, the foam board at the joint is removed after cleaning, and then the gap

thus left is filled with mortar to complete the construction. By using this method, the comprehensive damage rate of the central ditch cover plate can be controlled within 3%, which can prolong the service life of the central ditch cover plate, reduce cost expenditures, and effectively improve the construction quality and the overall civilized construction environment inside the tunnel.

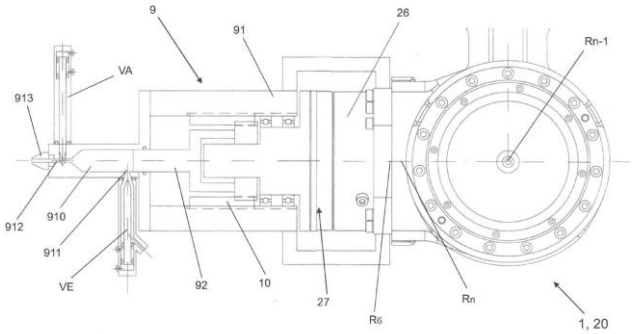
21: 2023/09748. 22: 2023/10/19. 43: 2024/10/18
51: E21D
71: CHINA RAILWAY TUNNEL GROUP CO., LTD., CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD.
72: ZHANG, YUQIANG, ZHANG, YAJUN, CHEN, FENGRONG, YANG, QINFENG, QIN, LING, CHEN, XIAO, LI, ZHIYONG, DONG, FAZHU, WEI, YAHUI, LIU, ZHENGGANG , WANG, GUOQIANG, LI, HUAWEI, ZHENG, WENLONG, HE, RUI, ZHANG, HONG, CHEN, CHAO, CHEN, YU, LIU, YIMING, DONG, DEHU
33: CN 31: 202211294208.X 32: 2022-10-21
54: CONSTRUCTION METHOD FOR REDUCING REBOUND RATE OF SHOTCRETE
00: -
A construction method for reducing rebound rate of shotcrete is provided, which relates to the field of shotcrete support technology in underground excavation tunnels. Specifically, the method includes the following steps: performing testing and detection on coarse aggregate, fine aggregate, cement, accelerator, water reducing agent, and mixture fusion agent on a construction site, so as to ensure qualified performance; measuring an actual water content of the aggregate based on the water content in the design mix proportion, and adjusting the mix proportions according to actual conditions to meet the design requirements; weighing and adding the materials by using an automatic electronic weighing system; and performing procedure steps of processing the sprayed surface, spraying the concrete, leveling the sprayed surface, handling the voids, and performing water leakage grouting. By adding a mixture fusion agent to the original raw materials of shotcrete, the present application greatly improves the early strength and spraying performance of shotcrete, and reduces the use cost. The layered spraying method is adopted to improve the bonding between layers and the spraying compactness. At the same time, the surface flatness is improved by using the square shovel.

21: 2023/09774. 22: 2023/10/19. 43: 2024/10/28
51: A61K; A61P
71: PURETECH LYT, INC.
72: FILIPOVIC, ALEKSANDRA, ELENKO, ERIC, PADEN, HEATHER, KORTH, CHRISTOPHER
33: US 31: 63/193,381 32: 2021-05-26
33: US 31: 63/182,519 32: 2021-04-30
33: US 31: 63/313,882 32: 2022-02-25
54: COMBINATION OF ANTI-GALECTIN-9 ANTIBODIES AND CHEMOTHERAPEUTICS FOR USE IN CANCER THERAPY
00: -
Disclosed herein are combined therapies for treating solid tumors (e.g., pancreatic ductal adenocarcinoma (PDAC), colorectal cancer (CRC), hepatocellular carcinoma (HCC), cholangiocarcinoma (CAA), renal cell carcinoma (RCC), urothelial, head and neck, breast cancer, lung cancer, or other gastrointestinal solid tumors), comprising an antibody that binds human galectin-9 (anti-Gal9 antibody, e.g., G9.2-17), and one or more chemotherapeutics, for example, gemcitabine, paclitaxel, or a combination thereof.



21: 2023/09950. 22: 2023/10/25. 43: 2024/10/28
51: B25J
71: FFT PRODUKTIONSSYSTEME GMBH & CO. KG
72: KILLER, Alexander, KRAFT, Martin
33: DE 31: 10 2021 108 201.3 32: 2021-03-31
54: SYSTEM AND METHOD FOR EXECUTING AN ASSEMBLY TASK BY MEANS OF A ROBOT
00: -
A system for the controlled executing of an assembly or manufacturing task, the system having an n-axis robot (1), preferably an industrial or universal robot, having a base and a jointed arm (20) which is

connected to the base, can be moved in n machine axes (R1 to Rn) relative to the base, and has a first jointed arm portion (26) and a second jointed arm portion (27) which are connected in a robot joint such that they can be moved rotationally about one of the machine axes (Rn) and/or such that they can be moved axially translationally along said machine axis, further having a robot controller for performing closed-loop and/or open-loop control of the movements of the jointed arm (20) in the n machine axes (R1 to Rn), having a tool (9) for the assembly task, having a first functional member (91) and a second functional member (92), wherein the first functional member (91) is coupled to the first jointed arm portion (26), with the result that it also carries out movements which can be carried out by the first jointed arm portion (26), the second functional member (92) is coupled to the second jointed arm portion (27), with the result that it also carries out movements which can be carried out by the second jointed arm portion (27) in the robot joint (RG) relative to the first jointed arm portion (26) and the first functional member (91), in order to execute the assembly task, and the robot controller is configured to perform open-loop or closed-loop control, according to position and/or speed, of the movements which can be carried out by the second jointed arm portion (27) in the robot joint (RG) relative to the first jointed arm portion (26), and to activate a movement and/or function of the second functional member (92) in a controlled manner as a result.

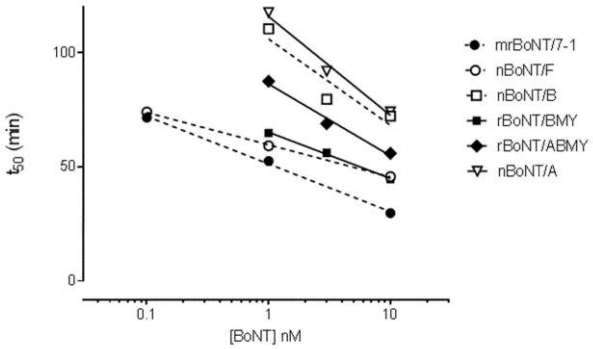


21: 2023/10143. 22: 2023/10/31. 43: 2024/10/10
51: A61K; A61P
71: Ipsen Biopharm Limited
72: KRUPP, Johannes, MAIGNEL, Jacqueline Caroline, PIGNOL, Bernadette
33: EP(GB) 31: 17306840.4 32: 2017-12-20

54: TREATMENT OF AUTONOMIC DISORDERS WITH BOTULINUM TOXIN

00: -

The present invention relates to the treatment of autonomic disorders with a clostridial neurotoxin comprising a H_{cc} domain from a BoNT/B, BoNT/D, BoNT/D-C, BoNT/F or BoNT/G, wherein the dose of the clostridial neurotoxin to be administered to the patient is equivalent to or lower than the dose of BoNT/A that would be used to treat the same autonomic disorder.

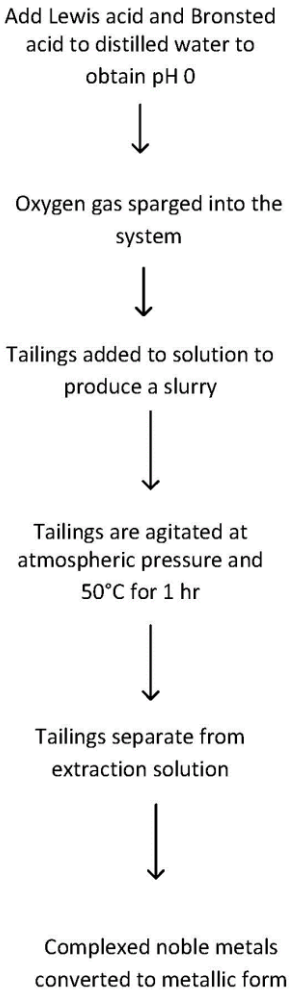


21: 2023/10245. 22: 2023/11/02. 43: 2024/09/26
51: C22B
71: Phoenix Tailings Inc.
72: VILLALON, Jr., Thomas Anthony
33: US 31: 63/183,163 32: 2021-05-03

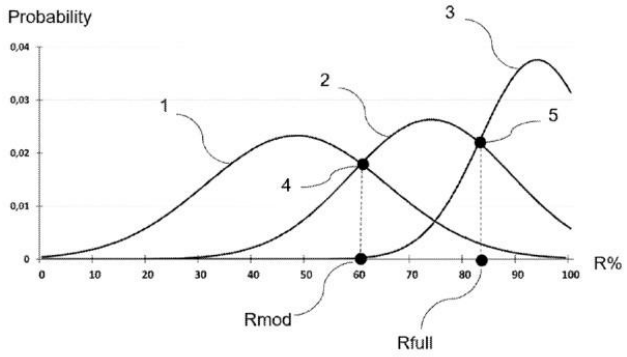
54: NOBLE METAL EXTRACTION METHOD AND APPARATUS

00: -

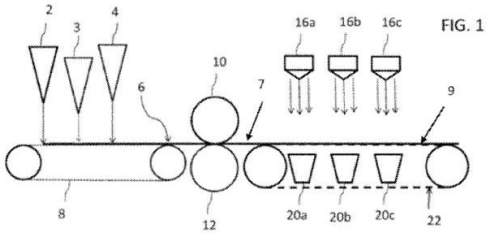
A method for extracting noble metals from mining tailings and other solids is provided. The method uses a Lewis acid, Brønsted acid, complexing agent and oxygen to provide excellent extraction without the need for chorine gas or cyanide.



21: 2023/10746. 22: 2023/11/21. 43: 2024/12/05
51: B21B; B21D; G06F
71: ARCELORMITTAL
72: Nicolas SCHNEIDER, Alexandre BLAISE, Elie GIBEAU
33: IB 31: PCT/IB2021/056234 32: 2021-07-12
54: METHOD TO CLASSIFY, DESIGN AND MANUFACTURE A METALLIC PART
00: -
The current invention provides for a computerized method to determine the aptitude of a metallic part to be manufactured by roll forming and to classify metallic parts into one of the following categories: roll-formable without modification, roll- formable with modifications, not roll-form able. It also provides for a computerized method to compute the roll forming direction of a part. It further provides a method for determining the aptitude to roll forming of a large set of parts, such as for example part of the set of parts making up an automotive vehicle. The purpose of the current invention is further to provide a manufacturing method for a metallic part.

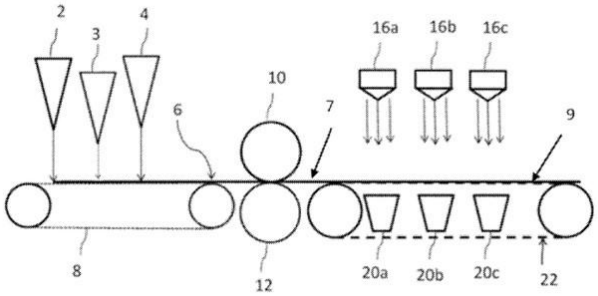


21: 2023/10749. 22: 2023/11/21. 43: 2024/12/05
51: D04H
71: PFNONWOVENS LLC, PFNONWOVENS HOLDING S.R.O.
72: Karthik RAMARATNAM, Peter ZAJACZKOWSKI, John C. PARSONS, Pavlina KASPARKOVA
33: US 31: 63/183,148 32: 2021-05-03
54: HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME
00: -
A method of forming a hydro-patterned nonwoven web including the steps of forming a nonwoven batt comprising continuous spunmelt fibers, calender bonding the nonwoven batt to form a thermobonded precursor nonwoven web with a bond pattern that defines bond impressions and unbonded areas between the individual bond impressions, and hydraulically treating the thermobonded precursor nonwoven by a plurality of steps of water injection as the thermobonded non woven web passes over a screen. The bond pattern has specific features that provide advantages in terms of mechanical properties and visual appearance of the final nonwoven product.

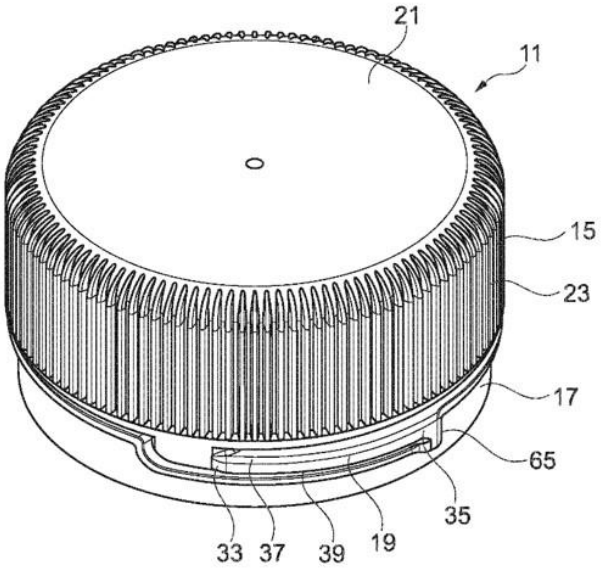


21: 2023/10753. 22: 2023/11/21. 43: 2024/12/05
51: B32B; D04H
71: PFNONWOVENS LLC, PFNONWOVENS HOLDING S.R.O.

72: Karthik RAMARATNAM, Peter ZAJACZKOWSKI, John C. PARSONS, Michael Heinz KAUSCHKE, Antonius Lambertus Johannes DE BEER
33: US 31: 63/183,190 32: 2021-05-03
54: APERTURED HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME
00: -
A method of forming an apertured hydro-patterned nonwoven web including the steps of forming a nonwoven batt comprising continuous spunmelt fibers, calender bonding the nonwoven batt to form a fully bonded precursor nonwoven web with a regular bond pattern that defines individual bond impressions and unbonded areas between the individual bond impressions, the regular bond pattern having a percentage bond area of 10% to 25%, and hydraulically imparting the fully bonded precursor nonwoven web with a plurality of apertures, the step of hydraulically imparting comprising hydraulically treating the fully bonded precursor non woven web by a plurality of steps of water injection as the fully bonded nonwoven web passes over a plurality of pins.



21: 2023/10802. 22: 2023/11/22. 43: 2024/12/05
51: B65D
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: Franz-Michael LAESSER
33: CH 31: 00663/21 32: 2021-06-07
54: CLOSURE CAP
00: -
The invention relates to a closure cap (11) for closing the pour opening of a container, having a cylindrical threaded part (15), which has an open edge and an internal thread which is formed on the inside and can interact with an external screw thread of a container neck of the container, a tamper-proof ring (17) which is designed to be held on a protrusion formed on the container neck, and a retaining strip (19) having a first and a second end (33, 35). In the unopened state, the retaining strip (19) is arranged between the threaded part (15) and the tamper-proof ring (17) and along the circumference of the tamper-proof ring (17) and extends in an arc with a first angle ranging from 30 to 50 degrees. Third predetermined breaking elements are arranged in that portion of the threaded part (15) in which threaded part (15) and tamper-proof ring (17) lie directly on top of each other.



21: 2023/10806. 22: 2023/11/22. 43: 2024/12/05
51: B05B; B22D; B22F
71: ARCELORMITTAL
72: Carlos Javier RODRIGUEZ MARTINEZ, Enrique HERRAIZ LALANA, Mathieu COUVRAT, Bruce FORMAN
54: QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER
00: -
The present invention provides for a method to quickly change a nozzle assembly suitable for use in a liquid metal atomizing process in which a liquid metal held in a liquid metal reservoir and exiting said metal reservoir through a reservoir opening is atomized by an atomizing fluid to form a metallic spray in an atomizing tower. The invention provides for the use of a sliding nozzle assembly system in which replacement nozzles can be changed on the fly during production.

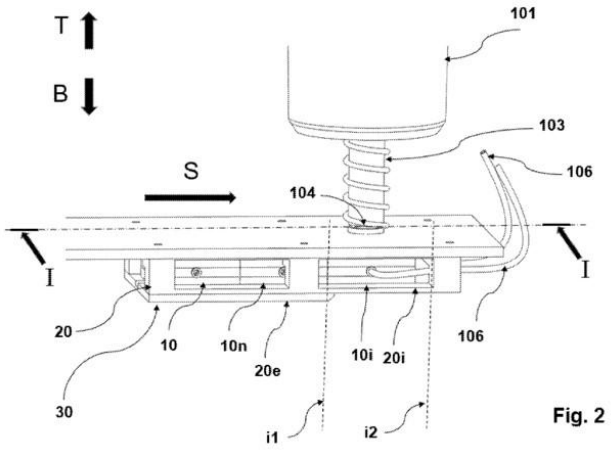


Fig. 2

21: 2023/10829. 22: 2023/11/23. 43: 2024/12/05
51: B05B; B22F
71: ARCELORMITTAL
72: Carlos Javier RODRIGUEZ MARTINEZ, Enrique HERRAIZ LALANA, Mathieu COUVRAT
54: QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER
00: -
The present invention provides for a method to quickly change a nozzle assembly suitable for use in a liquid metal atomizing process in which a liquid metal held in a liquid metal reservoir and exiting said metal reservoir through a reservoir opening is atomized by an atomizing fluid to form a metallic spray in an atomizing tower. The invention provides for the use of a sliding nozzle assembly system in which replacement nozzles can be changed on the fly during production. The object of the present invention is achieved by providing a nozzle assembly designed to be used in conjunction with a support structure. Said nozzle assembly and support structure being designed for use in a nozzle change equipment according.

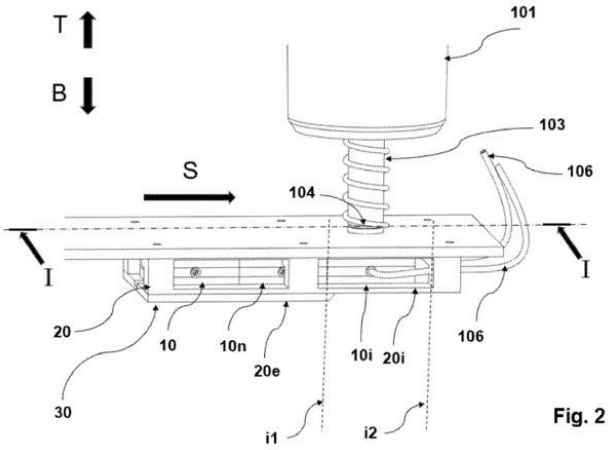
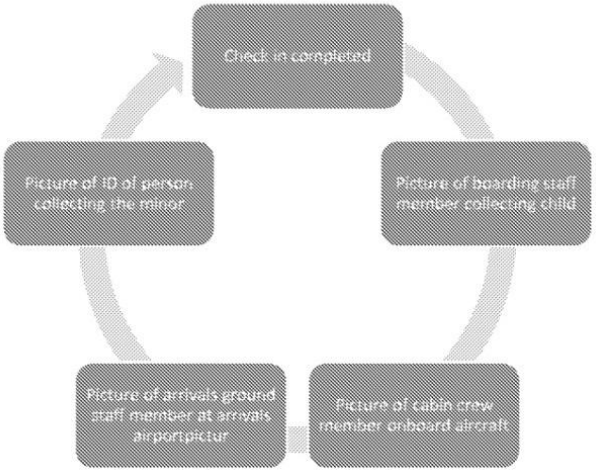


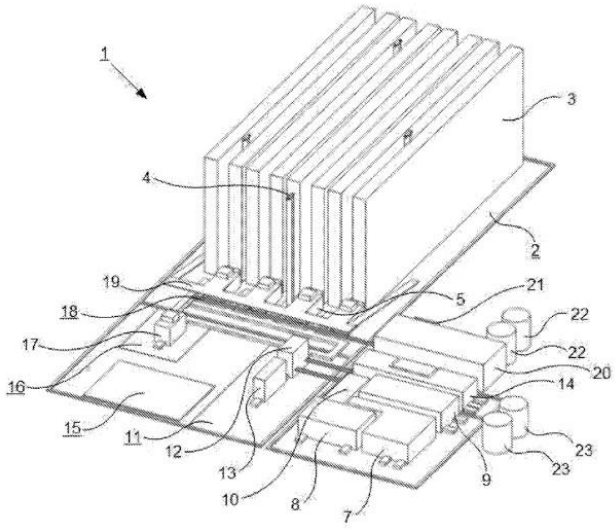
Fig. 2

21: 2023/10873. 22: 2023/11/24. 43: 2024/12/05
51: G07C; G06Q
71: Bradley Benjamin SOLOMONS
72: Bradley Benjamin SOLOMONS
33: ZA 31: 2021/04895 32: 2021-08-16
54: TRACKING ARRANGEMENT
00: -
The invention discloses a tracking arrangement, which includes digital means adapted to track and trace all unaccompanied minors travelling through any airport with any airline. The arrangement incorporates digital technology, is adapted to provide historical data for all minors that travelled using the digital means, is adapted to enhance the safety and security of minors and is adapted to expedite the check in and boarding process.

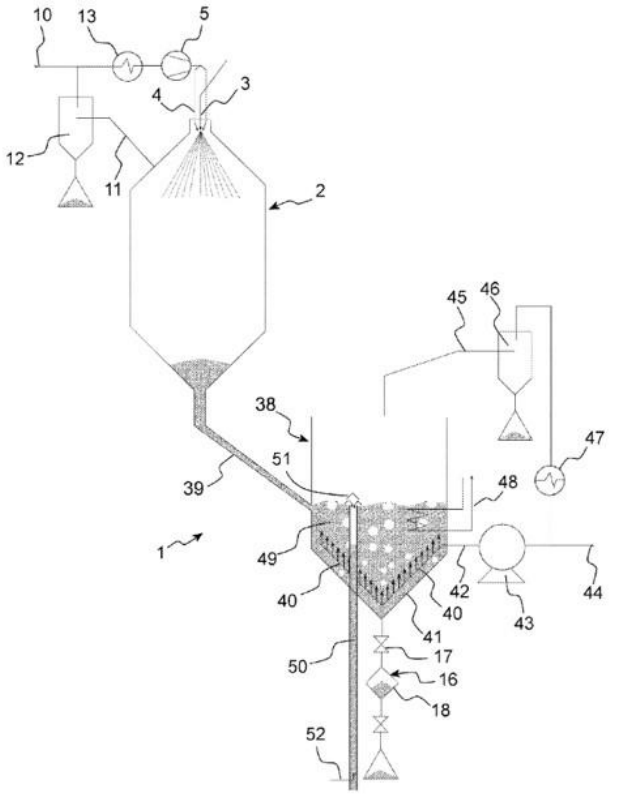


21: 2023/10969. 22: 2023/11/28. 43: 2024/12/05
51: A61K
71: ALPHA-PROTEIN GMBH
72: Rohi SHALATI

33: DE 31: 10 2021 117 134.2 32: 2021-07-02
54: APPARATUS AND METHOD FOR BREEDING INSECTS IN A HIGH-BAY STORE
00: -
The object of the invention is to allow insects to be reared in a high-rack warehouse in an automated, resource-saving and efficient manner. The invention presented herein achieves this object in that a supply portal is arranged on the at least one high rack, to which a storage logistics facility can transport the boxes stored in a stackable manner in the at least one high rack, wherein the state of the box contents within the boxes transported from the storage logistics facility to the supply portal can be determined by means of the supply portal and the insects can be supplied by means of the supply portal and/or ejected when ready for harvest.

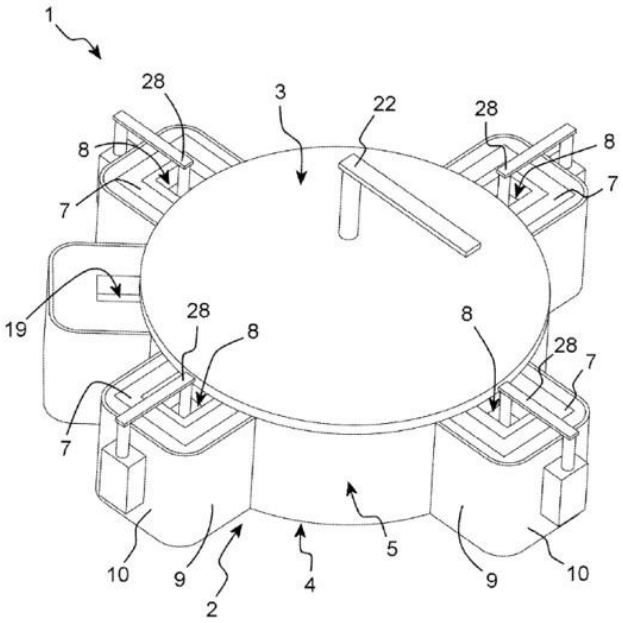


21: 2023/10973. 22: 2023/11/28. 43: 2024/12/05
51: B22F
71: ARCELORMITTAL
72: Benjamin BOISSIERE
33: IB 31: PCT/IB2021/055756 32: 2021-06-28
54: GAS ATOMIZER
00: -
The invention relates to a process for manufacturing metal powders comprising: i) feeding an atomization chamber of a gas atomizer with molten metal, (ii) atomizing the molten metal by injection of gas so as to form metal particles, (iii) transferring the metal particles from the atomization chamber to a cooling chamber of the gas atomizer, (iv) cooling the metal particles in the cooling chamber by injecting gas from the bottom of the cooling chamber so as to form a bubbling fluidized bed of metal particles. The invention also relates to the gas atomizer thereof.



21: 2023/11074. 22: 2023/11/30. 43: 2024/12/05
51: B22D; B22F
71: ARCELORMITTAL
72: Bertrand BELE, Jean-Marie GALPIN, William P UMLAUF, Johnny C BRANNBACKA
33: IB 31: PCT/IB2021/056711 32: 2021-07-26
54: ATOMIZER RESERVOIR
00: -
The invention relates to a reservoir of molten metal atomizer comprising i) a tundish comprising a) a bottom and a side substantially delimiting a central cavity whose bottom comprises a central portion and a periphery, b) at least one discharging zone in the form of a top-opened recess in the side of the tundish and comprising a bottom positioned at most at the level of the periphery of the bottom of the central cavity, a discharging opening in the bottom and a shut-off device for the discharging opening, ii) a bell whose lip is positioned towards the bottom of the tundish, the bell being substantially centered on the tundish and extending above at least 50% of the bottom of the tundish, the bell comprising in its upper

section a gas injector. The invention also relates to the process thereof.



21: 2023/11415. 22: 2023/12/12. 43: 2024/11/13
51: B65G
71: FLEXIBLE STEEL LACING COMPANY
72: SNOW, Joseph, WOOD, Brian
33: US 31: 17/344,226 32: 2021-06-10

54: REMOVABLE CARTRIDGE CONVEYOR BELT CLEANER

00: -

A removable cartridge cleaner assembly is provided that allows for easier replacement of the belt cleaner blades from under a conveyor belt. In one aspect the assembly includes a cartridge assembly configured for connection with at least one belt cleaner blade assembly and a support assembly configured to support the cartridge assembly across a transverse width of the conveyor belt. A releasable connection between the cartridge assembly and the support assembly is configured to be sheltered from dust and debris. The releasable connection may be disposed within a chamber formed by the engaging portions of the cartridge and support assemblies. The releasable connection can be released by removing a longitudinally oriented rod member that extends along a length of the cartridge and support assemblies. The support assembly may include a secondary cartridge support for easing installation and removal of the cartridge assembly.

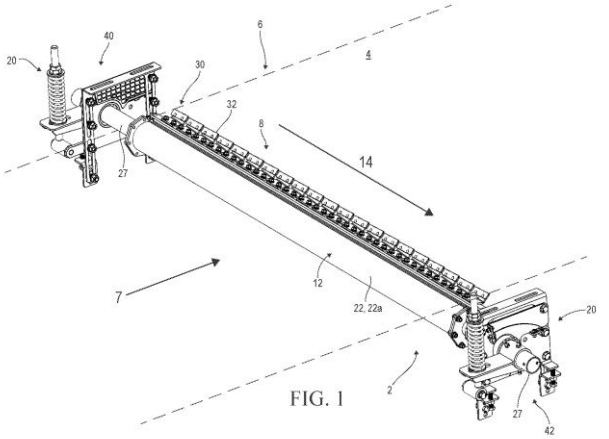


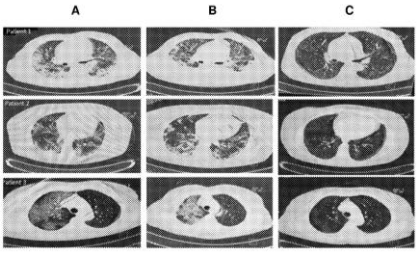
FIG. 1

21: 2024/00155. 22: 2024/01/03. 43: 2024/09/20
51: A61K; C07K
71: Centro de Inmunología Molecular
72: CROMBET RAMOS, Tania, RAMOS SUZARTE, Mayra, SAAVEDRA HERNÁNDEZ, Danay, AÑÉ KOURÍ, Ana Laura, Rolando, PÉREZ RODRIGUEZ, DÍAZ LONDRES, Henrry, JIMÉNEZ ARMADA, Jorge, LEÓN MONZÓN, Kalet, ABDO CUZA, Anselmo Antonio
33: CU 31: 2021-0046 32: 2021-06-14

54: USE OF MONOCLONAL ANTIBODIES AGAINST THE EPIDERMAL GROWTH FACTOR RECEPTOR IN THE TREATMENT OF PATIENTS WITH ACUTE HYPOXAEMIC RESPIRATORY FAILURE

00: -

The present invention relates to the fields of biotechnology and medicine. The invention relates to the use of monoclonal antibodies directed against the epidermal growth factor receptor in the treatment of diseases of infectious origin where acute hypoxaemic respiratory failure occurs.

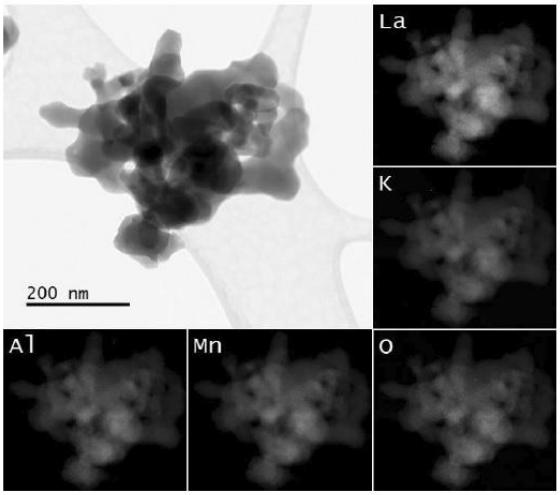


21: 2024/00997. 22: 2024/01/30. 43: 2024/10/24
51: B01J; C07C; C10G
71: UNIVERSITY OF CAPE TOWN
72: CLAEYS, Michael Christian Maximilian, FISCHER, Nico Frederik
33: GB 31: 2109417.2 32: 2021-06-30

54: CATALYST SUPPORT STRUCTURES AND METHODS

00: -

The invention provides a method of preparing a catalyst support structure for use in a catalytic reaction. According to the method, a mixed metal oxide compound which defines a crystal lattice is synthesized. Cations of at least one catalytic promoter element are dispersed within the compound and incorporated into the crystal lattice. The conditions of synthesis are preselected to inhibit destabilization of the catalyst support structure such that the structure remains stable against collapse and exsolution under reaction conditions associated with the catalytic reaction. The metal oxide compound may comprise an oxidic perovskite having the formula A(1-x)A'(x)B(1-y)B'yO3 wherein A and B represent metal cations and A' and B' represent cations of the promoter element or elements. Also provided is a catalyst support structure having cations of a promoter element incorporated into its crystal lattice. The support structure is stable against collapse and exsolution under reaction conditions.



21: 2024/01195. 22: 2024/02/07. 43: 2024/09/30
51: G01S; G06F; H04W
71: Schneider Electric Systems USA, Inc.
72: REDMOND, James, SOBIN, Zackery
33: US 31: 18/129,423 32: 2023-03-31

54: PATH STUDY AND ANTENNA LOCATING SYSTEMS AND METHODS

00: -

Method and system for automating a path study to establish a private network between an access point and a remote asset along an optimal path. A predictive model identifies potential communications paths between the access point and the remote asset based on site data. The potential communications paths each specifies at least one antenna parameter. The machine learning also includes selecting the optimal path from the potential communications paths based at least in part on the network performance requirements of the private network and predicted signal quality along the potential communications paths using the antenna parameter.

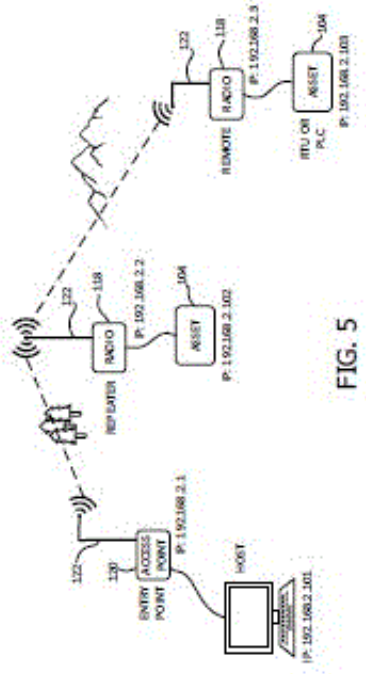


FIG. 5

21: 2024/01490. 22: 2024/02/20. 43: 2024/10/14
51: A61K; A61P
71: Beiersdorf AG
72: BLECKMANN, Andreas, SELLCKAU, Sabine, WISCHHÖFER, Svea
33: DE 31: 102023201536.6 32: 2023-02-21

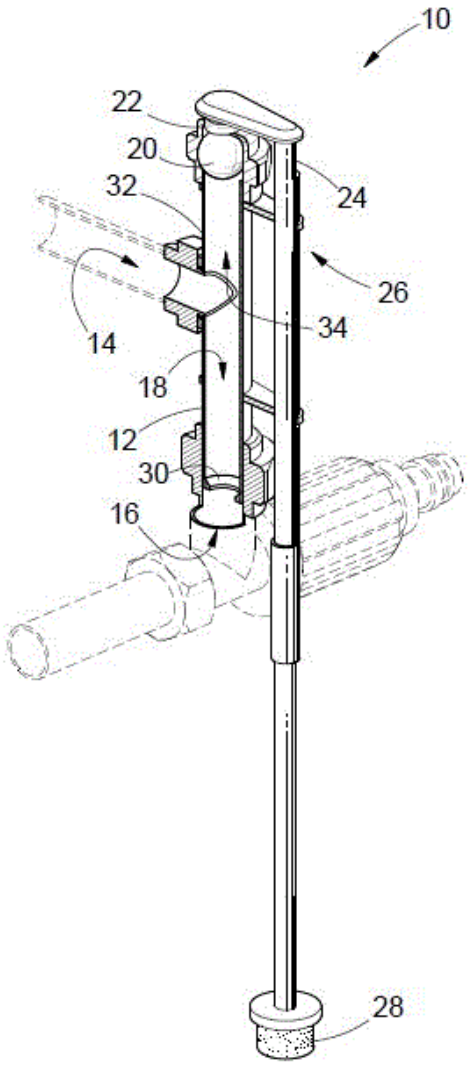
54: BODY MILK

00: -

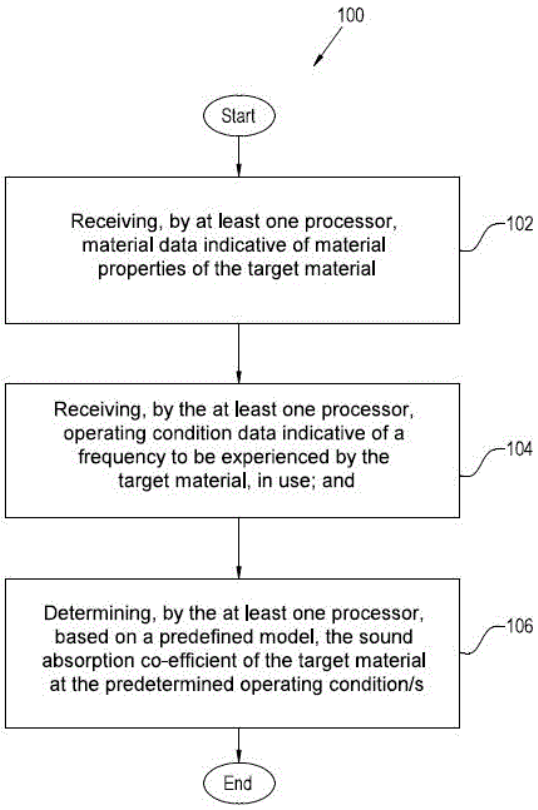
A novel body milk for improved skin moisturization comprises hyaluronic acid and/or salts thereof, diisostearoyl polyglyceryl-3 dimer dilinoleate, polyglyceryl-4 diisostearate/polyhydroxystearate/sebacate and tocopherol, and also one or more lipids selected from the group of isopropyl palmitate, isododecane, almond oil (Prunus amygdalus dulcis oil), sunflower

oil (Helianthus annuus seed oil), coco-caprylate/caprate, Butyrospermum parkii butter, the preparation being free from BHT.

21: 2024/01566. 22: 2024/02/22. 43: 2024/11/18
51: F16K; F16L
71: VICTOR, Marius Riaan
72: VICTOR, Marius Riaan, VICTOR, Ruben
33: ZA 31: 2023/05614 32: 2023-05-25
54: FLUID SHUT-OFF DEVICE
00: -
The invention relates to a fluid shut-off device 10 comprising a casing 12. The casing 12 has a fluid inlet 14 and a fluid outlet 16 and defines a passage 18 between the fluid inlet 14 and the fluid outlet 16. The fluid shut-off device 10 comprises a ferromagnetic member 20 located within the casing 12. The ferromagnetic member 20 is directly and magnetically displaceable by a magnetic body 22. The magnetic body 22 is located outside of the casing 12. The ferromagnetic member 20 is displaceable between a first position within the casing 12 and a second position within the casing 20. In the first position the ferromagnetic member 20 allows the inlet 12 and the outlet 14 to be in fluid flow communication. In the second position fluid flow between the inlet 12 and the outlet 14 is inhibited by the ferromagnetic member 20.



21: 2024/01924. 22: 2024/03/07. 43: 2024/10/28
51: G06N
71: Tshwane University of Technology
72: DUNNE, Regan Kyle, DESAI, Dawood Ahmed
33: ZA 31: 2023/03332 32: 2023-03-06
54: METHOD OF DETERMINING A SOUND ABSORPTION COEFFICIENT OF A TARGET MATERIAL AND SYSTEM THEREFOR
00: -
The invention relates to a system and method of method of determining a sound absorption coefficient of a target material at predetermined operating condition/s.



21: 2024/01981. 22: 2024/03/08. 43: 2024/09/19
51: D04B; D06G
71: Lonati S.p.A.
72: LONATI, Ettore, LONATI, Fausto, LONATI, Francesco
33: IT 31: 102021000023264 32: 2021-09-09

54: CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE AND METHOD FOR PROVIDING A TUBULAR ITEM

00: -

A circular knitting machine for hosiery or the like (1), comprising at least one needle cylinder (2) which has a cylinder axis (100) and is configured to provide a tubular item (101), the circular machine (1) comprising a pickup device (10) which is adapted to pass between a pickup position, in which it is arranged coaxially around the needle cylinder (2) in order to pick up the tubular item (101) at a first axial end thereof (101a), and a release position at a further processing station (40) which is laterally spaced apart from the needle cylinder (2), at the further processing station (40) there being a turning device (20) which comprises a lower portion (22) which defines in an upper region an access mouth (21), which extends around a respective axis of extension (103), and an upper portion (25), which are arranged respectively below and above an intermediate region at which means (41) for supporting the tubular item (101) to be turned, which hangs at the first axial end (101a), are or can be positioned, the lower portion (22) of the turning device (20) being designed to accommodate coaxially the tubular item (101) in order to perform its turning, and being movable between a first position, in which the access mouth (21) is aligned with the upper portion (25) in order to allow the turning of the tubular item (101), and a second position, in which the access mouth (21) is arranged laterally with respect to the upper portion (25) in order to allow the transfer of the tubular item (101) from the needle cylinder (2) into the lower portion (22) of the turning device (20), characterized in that the circular machine (1) comprises a lifting element (50) which is adapted to pass between an inactive condition, in which it is arranged externally with respect to the region affected by the movement of the pickup device (10) and of the corresponding tubular item (101) associated therewith during the transition of the lower portion (22) from the second position to the first position, and an active position, in which the lifting element (50) is adapted to interact with at least one portion of the tubular item (101), in the active position the lifting element (50) is movable on command along a lifting trajectory (200) in order to engage with the portion of the tubular item (101) so as to determine the disengagement of the second axial end (101b) of the tubular item (101), opposite to the first axial end (101a), from the needle cylinder (2) and the conveyance of the second axial end (101b) of the tubular item (101) to the access mouth (21) when the lower portion (22) is in the second position.

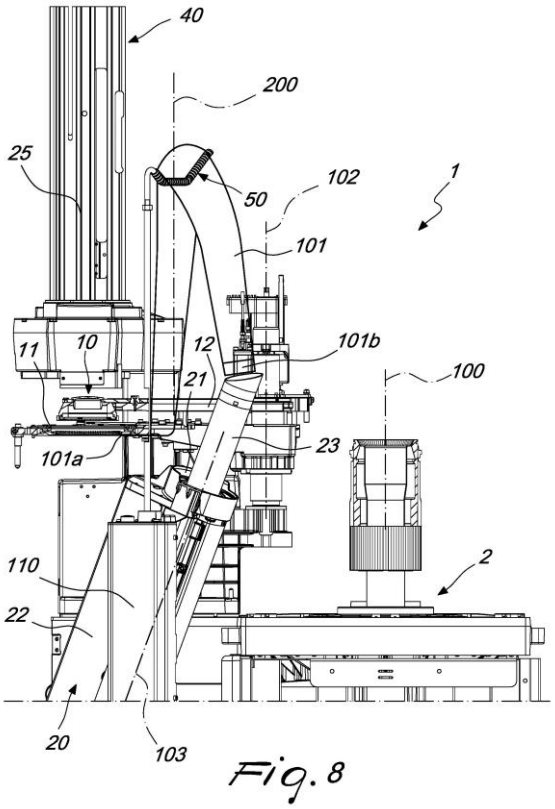


Fig. 8

21: 2024/01989. 22: 2024/03/08. 43: 2024/09/30
51: G21F; G21G
71: Vega Americas Inc.
72: AHLERS, Shawn Gregory, FLOWER, Randall L.
33: US 31: 63/242,287 32: 2021-09-09
54: RADIATION SOURCE HOLDER WITH ORIENTATION-INDEPENDENT INNER EXPANSION VOLUME
00: -
A radiation source holder 30 is provided having a housing and a body of radiation shielding material 54 substantially filling an inner cavity 52 of the housing. The housing and the body of radiation shielding material 54 define boundaries of one or more air gaps that permit the body of radiation shielding material 54 to expand within the inner cavity of the housing. The radiation source holder 30 further includes a radiation source capsule 48 loaded within the body of radiation shielding material 54. The radiation source capsule 48 is capable of transmitting radiation from a radioactive source 50.

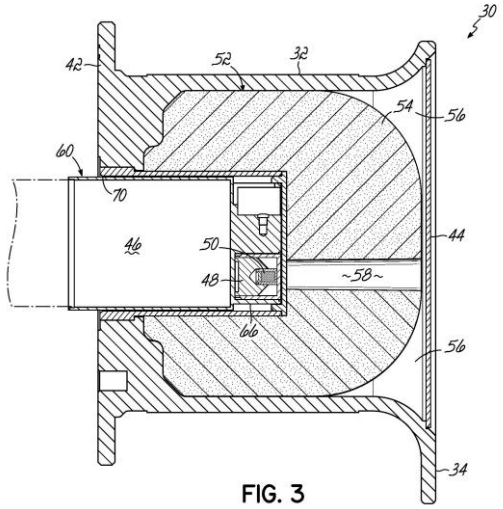
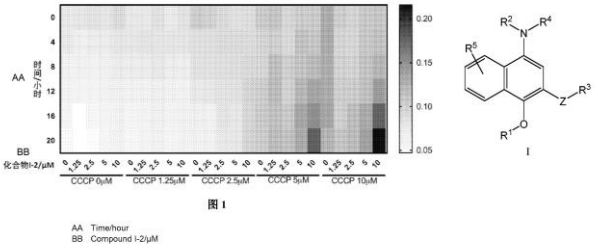


FIG. 3

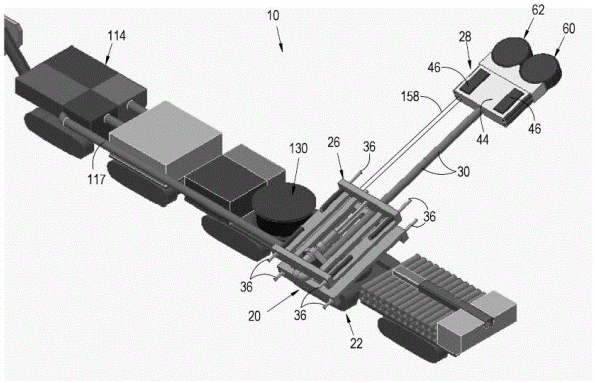
21: 2024/02045. 22: 2024/03/12. 43: 2024/10/02
51: A61K; A61P; C07D
71: Bugworks Research India Pvt Ltd
72: PEER MOHAMED, Shahul Hameed, KAJIPALYA RANGANATHA RAO, Ranga Rao, BHARATHAM, Nagakumar, KATAGIHALLI MATH, Nainesh, SHARMA, Sreevalli, NANDISHAIAH, Radha, RAMACHANDRAN, Vasanthi
33: IN 31: 202141036833 32: 2021-08-13
54: ANTIBIOTIC PYRAZINOTHIAZINE DERIVATIVES AND PROCESS OF PREPARATION THEREOF
00: -
The present disclosure provides a compound selected from Formula Ia or Formula Ib, its stereoisomers, pharmaceutically acceptable salts, complexes, hydrates, solvates, tautomers, polymorphs, or pharmaceutically active derivatives thereof. The compounds of the present disclosure are antibiotic compounds which are effective in killing and inhibiting growth of microorganisms. The present disclosure also provides a process for preparation of the compounds and methods thereof.

21: 2024/02083. 22: 2024/03/13. 43: 2024/10/02
51: A61K; A61P; C07D
71: Hangzhou Phecdamed Co., Ltd.
72: XIA, Hongguang, FAN, Mengyang, CEN, Xufeng, XU, Xiaoyan, WU, Ronghai, LIU, Dong, TIAN, Zhen
33: CN 31: 202111108417.6 32: 2021-09-22
54: SMALL MOLECULE COMPOUNDS HAVING NAPHTHYLAMINE STRUCTURE AND APPLICATION THEREOF

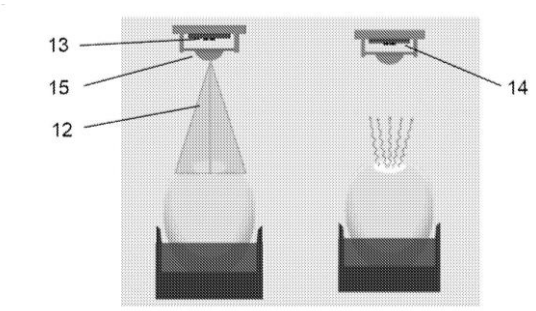
00: -
The present application discloses small molecule compounds having a naphthylamine structure and an application thereof. In the present application, the structure of a compound having a structure as shown in general formula (I) is as shown in the drawing. The compound and the pharmaceutically acceptable salt, stereoisomer, solvate or prodrug thereof that are provided by the present application or the pharmaceutical composition provided by the present application can selectively induce autophagy in damaged mitochondria without affecting or only weakly affecting normal mitochondria, and further have superior metabolic stability and pharmacokinetic properties, lower toxicity, and better druggability.



21: 2024/02171. 22: 2024/03/18. 43: 2024/10/02
51: E21C
71: AFRICAN RAINBOW MINERALS PLATINUM (PTY) LTD.
72: JORDAAN, Barend Jacobus, PRETORIUS, Gerhard, GOODWIN, Nicolaas Bodenstein, WANNENBURG, Louis, CROUS, Izak Abram
33: ZA 31: 2021/05907 32: 2021-08-18
54: REEF CUTTING MACHINE
00: -
A reef cutting machine is disclosed, comprising a mobile carrier, typically mounted on tracks; a launching frame; and a cutter head assembly extending from the launching frame, towards and into the ore body to be cut to define a slot. The launching frame is angled/inclined relative to the carrier, to tilt the cutter head assembly to the correct angle to align the cutter head assembly with the angle of the ore body to be cut. In an embodiment, the launching frame (and cutter head assembly) is mounted transverse to the carrier, so that the launching frame and the cutter head assembly extends at right angles to the mobile carrier. In an embodiment, the cutter head assembly further comprises an extendible (relatively flat) cutter head with side stabilisers to engage the side walls of the slot being cut, with thrust cylinders being provided to move the cutter head away and towards the thrust body, in use.

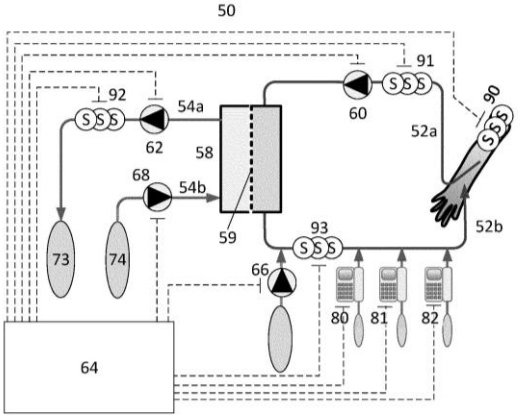


21: 2024/02236. 22: 2024/03/19. 43: 2024/10/14
51: A01K; G01N
71: Egg-Chick Automated Technologies
72: BERIER, Frédéric, TRUBUIL, Laura, REVOIS, Hugo
33: FR 31: 2109994 32: 2021-09-22
54: METHOD AND DEVICE FOR INSPECTING EGGS CONTACTLESSLY
00: -
The present invention relates to a method and device for automatically inspecting one or more eggs contactlessly. According to the invention, the following steps are carried out: a) a millimetre-wave radio-frequency signal is transmitted by a transmitter towards an egg, b) a millimetre-wave radio-frequency signal reflected by said egg is detected by means of a sensor (14), said sensor (14) being placed at distance from said egg, c) the intensity of the reflected millimetre-wave radio-frequency signal is analysed as a function of the distance travelled by the reflected signal and the radar echo thus obtained is compared with one or more reference radar echoes each representative of one egg state, so as to deduce the egg's current state therefrom.



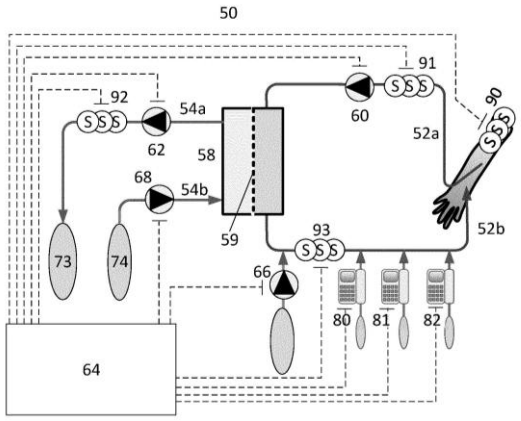
21: 2024/02258. 22: 2024/03/20. 43: 2024/10/02
51: A61M
71: Gambro Lundia AB
72: HOBRO, Sture, FORSAL, Innas, HANCOCK, Viktoria, NILSSON, Anders
33: SE 31: 2050621-8 32: 2020-06-01
54: SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT
00: -

The present application relates to an extracorporeal blood treatment system (50) for treating a subject, the system comprising: an extracorporeal blood circuit (52); a dialysate fluid circuit (54); said extracorporeal blood circuit and dialysate fluid circuit being divided by a membrane (56) of a filtration unit (58); at least one blood pump (60) for controlling the flow of blood through the blood circuit; at least one dialysate fluid pump (62) for controlling the flow of dialysate fluid through the dialysate fluid circuit (54); a system computing unit (64) operatively connected to the blood pump and the dialysate fluid pump, said system computing unit having at least one input means; wherein the system computing unit is adapted for receiving a desired blood concentration GLN_b of glutamine, for receiving a desired blood concentration $GLUCOSE_b$ of glucose, and for receiving a desired blood concentration of a ketone body $KETONE_b$; the system computing unit being adapted for controlling said blood pump and said dialysate fluid pump so as the actual concentration value GLN_a of glutamine is driven towards GLN_b and the actual concentration value $GLUCOSE_a$ of glucose is driven towards D_b. and the actual concentration value of ketone bodies is driven towards $KETONE_a$. The application also relates to a therapy set for use in the extracorporeal blood treatment system, a method for treating cancer using the system, a controller for controlling the method as well as a dialysis liquid suitable for the method.



21: 2024/02259. 22: 2024/03/20. 43: 2024/10/02
51: A61M
71: Gambro Lundia AB
72: HOBRO, Sture, FORSAL, Innas, HANCOCK, Viktoria, NILSSON, Anders
33: SE 31: 2050621-8 32: 2020-06-01
54: SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT
00: -

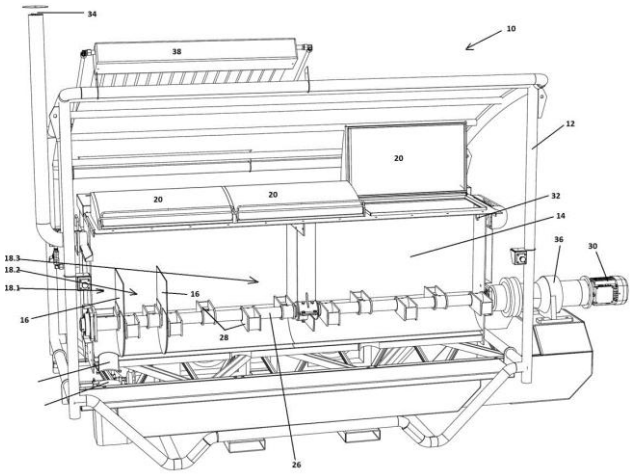
The present application relates to an extracorporeal blood treatment system (50) for treating a subject, the system comprising: an extracorporeal blood circuit (52); a dialysate fluid circuit (54); said extracorporeal blood circuit and dialysate fluid circuit being divided by a membrane (56) of a filtration unit (58); at least one blood pump (60) for controlling the flow of blood through the blood circuit; at least one dialysate fluid pump (62) for controlling the flow of dialysate fluid through the dialysate fluid circuit (54); a system computing unit (64) operatively connected to the blood pump and the dialysate fluid pump, said system computing unit having at least one input means; wherein the system computing unit is adapted for receiving a desired blood concentration GLN_b of glutamine, for receiving a desired blood concentration $GLUCOSE_b$ of glucose, and for receiving a desired blood concentration of a ketone body $KETONE_b$; the system computing unit being adapted for controlling said blood pump and said dialysate fluid pump so as the actual concentration value GLN_a of glutamine is driven towards GLN_b and the actual concentration value $GLUCOSE_a$ of glucose is driven towards D_b. and the actual concentration value of ketone bodies is driven towards $KETONE_a$. The application also relates to a therapy set for use in the extracorporeal blood treatment system, a method for treating cancer using the system, a controller for controlling the method as well as a dialysis liquid suitable for the method.



21: 2024/02260. 22: 2024/03/20. 43: 2024/09/26
51: C05F
71: FOOD 2050 TECHNOLOGIES (PTY) LTD
72: PIETERS, Tertius, Christiaan
33: ZA 31: 2023/04884 32: 2023-05-02
54: A COMPOSTING MACHINE
00: -

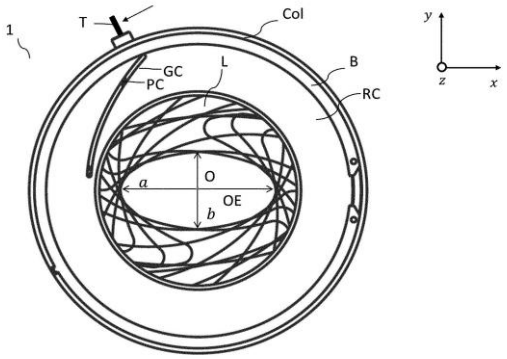
The invention provides a composting machine. The composting machine includes at least three in-line composting chambers, the first chamber being the largest chamber configured for receiving compostable material and functioning as the main reactive fermentation chamber to convert the compostable material into an immature compost product, the next, smaller, chamber being a conditioning and scavenging chamber in case of misplaced material from the first chamber, and the last and smallest chamber being a collection of fully processed material and discharge chamber. The volume ratio of the chambers are selected to compensate for a mass reduction of between 80 and 85% and to allow a regular or semi-continuous charge with compostable material and to optimise the overall volume of the chambers, with the chambers being separated by overflow baffle plates. The composter machine further includes a mixing, macerating and conveying means to mix,

homogenise, aerate and convey composting material from the first to the last composting chambers.



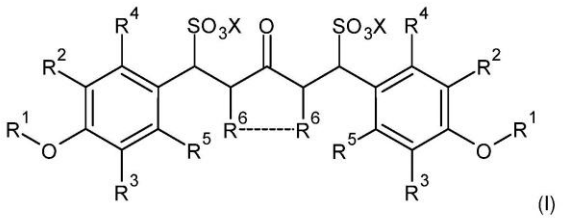
21: 2024/02282. 22: 2024/03/20. 43: 2024/09/30
51: G02B; G03B
71: Thales
72: MONTAGNE, Laurent
33: FR 31: 2109913 32: 2021-09-21
54: NON-ROTATING ELLIPTICAL IRIS DIAPHRAGM
00: -

Disclosed is an iris diaphragm (1) having an optical axis (O) and comprising: - a fixed ring (RF); - a movable ring (RM) capable of rotating about the optical axis relative to the fixed ring and comprising a plurality *n* of guide ramps (GG); - a plurality of *n* blades (L) defining an elliptical aperture (OE) of the diaphragm having a major axis (a) and a minor axis (b), each blade being pivotable relative to the fixed ring about a respective axis, and comprising a respective movable pin (PM) capable of moving in one of the respective guide ramps (GG) by lengthwise engagement therewith; - a control ring (RC) capable of rotating about the optical axis relative to the fixed ring and comprising a control ramp (GC) in which one of the movable pins, referred to as the control pin (PC), is capable of moving by lengthwise engagement with the control ramp; and wherein a shape of each guide ramp (GG) with which the respective movable pin (PM) engages is such that a rotation of said control ring (RC) about the optical axis causes, via the control pin (PC), a rotation of said movable ring (RM) and a movement of the movable pins (PM) in the guide ramps (GG), thereby modifying a surface of the elliptical aperture (OE), without modifying an orientation of the major axis and the minor axis and without changing a ratio of the major axis to the minor axis.

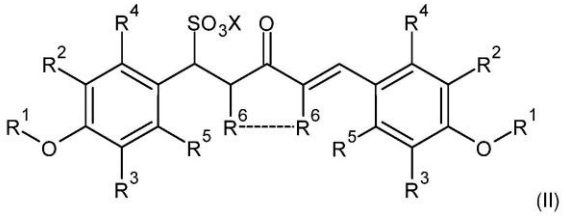


21: 2024/02289. 22: 2024/03/20. 43: 2024/09/30
51: C07C; C11D
71: Karl Franzens Universität Graz, Rijksuniversiteit Groningen
72: BARTA WEISSERT, Katalin, HOCHEGGER, Markus, BÁLINT, Fridrich
33: EP(AT) 31: 21198127.9 32: 2021-09-21
54: NOVEL SULFONATE COMPOUNDS
00: -

The invention relates to novel sulfonate compounds of the formula (I) or (II), in which the R^1 are selected from hydrocarbon groups with 4 to 26 C atoms and optionally at least one O or S atom; R^2 to R^5 are selected, independently of one another, from hydrogen and hydrocarbon groups with 1 to 26 C atoms and optionally at least one O or S atom; R^6 are selected, independently of one another, from hydrogen and hydrocarbon groups with 1 to 6 carbon atoms, wherein the two groups R^6 are optionally connected together, as indicated by the dashed line, in order to form a five- or six-membered ring comprising the carbonyl carbon; and the X are selected, independently of one another, from monovalent and multivalent cations X^{n+}, in which n ≥ 1, including H^+. In formula (I), the two X optionally represent a multivalent cation together. The invention also relates to a method for producing same and to the use thereof as surfactants.



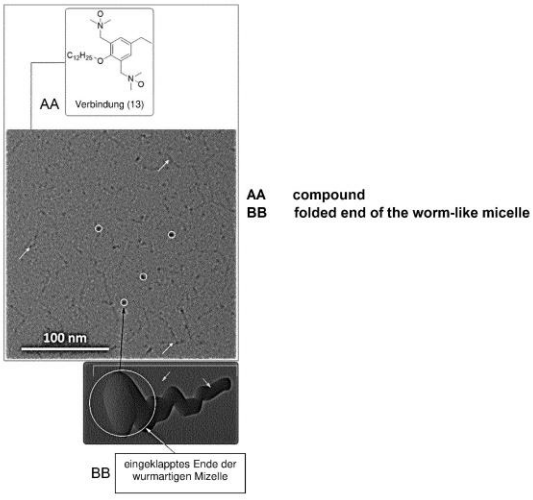
(I)



(II)

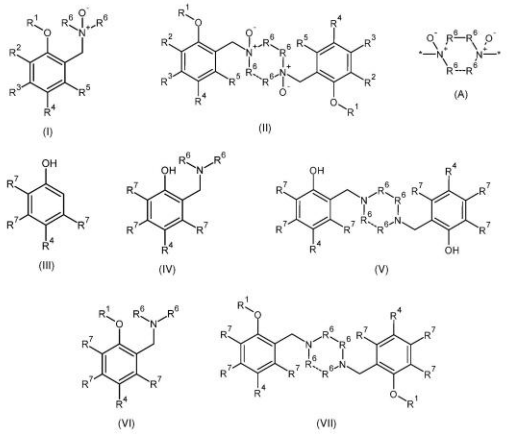
21: 2024/02290. 22: 2024/03/20. 43: 2024/09/30
51: C07C; C07D; C11D
71: Karl Franzens Universität Graz, Rijksuniversiteit Groningen
72: BARTA WEISSERT, Katalin, HOCHEGGER, Markus, BÁLINT, Fridrich
33: EP(AT) 31: 21198124.6 32: 2021-09-21
54: NOVEL AMINE-N-OXIDE COMPOUNDS
00: -

The invention relates a method for producing amine N-oxide compounds of the formula (I) or (II), in which the R1 are selected from hydrocarbon groups with 4 to 26 C atoms and optionally at least one O or S atom; R2 , R3 , and R5 are selected, independently of one another, from hydrogen, R1-O-, R8 , and, in formula (I), -CH2-N+ (O-)R6R6 as well, R8 representing a hydrocarbon group with1 to 6 carbon atoms and optionally at least one O or S atom; R4 is selected from hydrogen and R8 ; and the R6 are selected, independently of one another, from hydrocarbon groups with 1 to 6 C atoms and optionally at least one N, O, or S atom; wherein optionally two groups R6 bonded to the same nitrogen atom are connected together in order to form a nitrogen containing ring, or optionally one or the two groups R6 of a grouping -N+ (O-)R6R6 are connected to one or the two R6 groups of such a grouping of another molecule of the formula (I) and form a dimer according to formula (II), thereby forming a bridge to the structure (formula A), in which the dashed line indicates an optional bond between the two R6 and the asterisks indicate the connection of the bridge to the two aromatic rings. The method has the following steps: 1) reacting a phenol derivative of the following formula (III), in which R7 are selected, independently of one another, from hydrogen, hydroxy, and R8 , with a secondary amine HNR6R6 by means of a Betti/Mannich-type amino alkylation reaction in the presence of formaldehyde in a polar solvent, whereby the hydrogen atom in the ortho position relative to the phenolic OH groups and optionally an additional substitutable hydrogen atom R7 of the phenol derivative of the formula (II) is/are replaced with a grouping -CH2-NR6R6 , and a corresponding Betti base of the formula (IV) or (V) are obtained, said R7 being selected, independently of one another, from hydrogen, hydroxy, R8 and, in formula (IV), -CH2-NR6R6 as well; 2) reacting the (two) phenolic OH group(s) and optionally additional free OH groups R7 of each Betti base of the formula (IV) or (V) with a compound of the formula R1-X, in which X represents a leaving group selected from halogenides and sulfonates, by means of a Williamson-type etherification reaction in the presence of a base in an organic solvent or without a solvent, whereby a corresponding ether of the formula (VI) or (VII) is obtained,in which the R7 are selected, independently of one another, from hydrogen, R1-O-, R8 , and, in formula (VI), -CH2-NR6R6 as well; and 3) oxidizing each amino group -NR6R6 of the respective ether of the formula (VI) or (VII) by reacting same with an oxidizing agent in water and an organic solvent, or a mixture thereof, whereby the amine N-oxide compound of the formula (I) or (II) is obtained. The invention also relates to amine N-oxides produced in this matter and to the use thereof as surfactants.



AA compound
BB folded end of the worm-like micelle

Figur 1



21: 2024/02301. 22: 2024/03/20. 43: 2024/09/26
51: A01N; A01P; B65D; C08J; C09D
71: SUPERIOR SPECIAL PROJECTS (PTY) LTD
72: WILLIAMS, Mark
33: ZA 31: 2021/07306 32: 2021-09-29

54: ANTIMICROBIAL PACKAGING

00: -

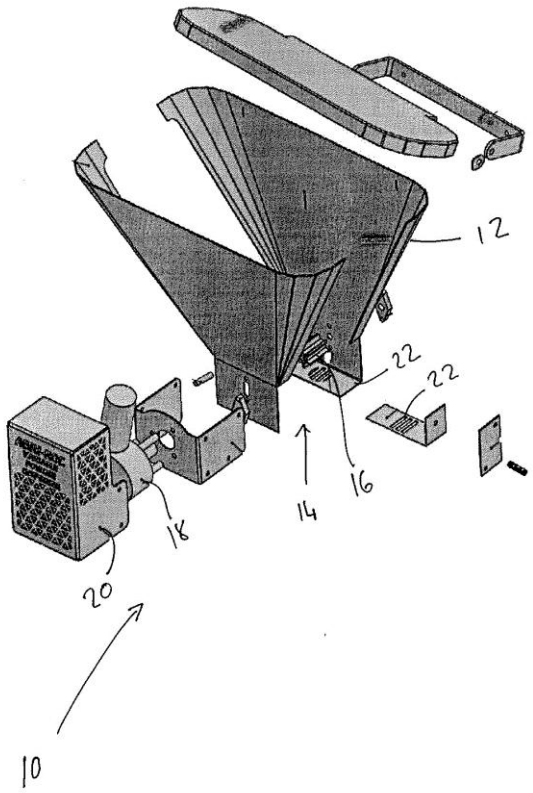
This invention relates to a preservative and/or antimicrobial composition for inclusion in an active substrate and/or a solvent-based coating for preservation of fruit, vegetables or herbs as well as an active substrate including the preservative and/or antimicrobial composition, or a solvent-based coating composition including the preservative and/or antimicrobial composition, or an active substrate including the preservative and/or antimicrobial composition and coated with the solvent-based coating composition including the preservative and/or antimicrobial composition for use in the preservation of fruit, vegetables or herbs.

21: 2024/02322. 22: 2024/03/22. 43: 2024/09/26
51: A01C
71: DE VILLIERS, Albertus, Johannes
72: DE VILLIERS, Albertus, Johannes
33: ZA 31: 2022/12674 32: 2022-12-22

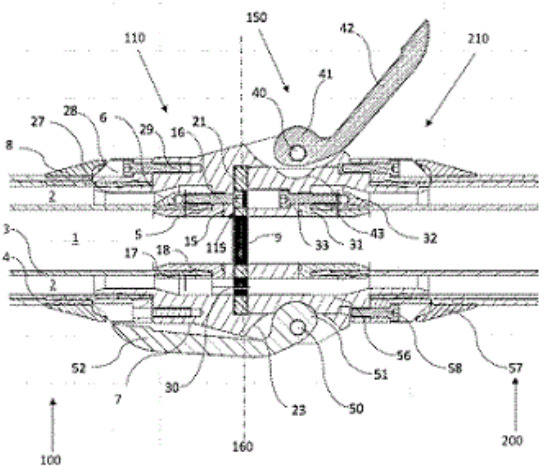
54: A DISPENSER

00: -

A dispenser for agricultural use which includes a receptacle for keeping medium to be dispensed, an outlet opening defining about a bottom region of the receptacle for in use, allow flow of media outer the receptacle, and, a regulator arranged about the outlet opening of the receptacle, for in use, facilitating and regulating flow of medium outer the receptacle.



21: 2024/02370. 22: 2024/03/25. 43: 2024/09/27
51: F16L
71: ZELUP
72: ISSLER, Thomas
33: FR 31: FR2110341 32: 2021-09-30
54: TWO-PHASE CONNECTOR
00: -
The present invention relates to a fluidic connection system for connecting two two-phase pipes, the system consisting of two coaxial sleeves defining a central flow flowing through the inner sleeve and an annular flow flowing through the space between said inner sleeve and the outer sleeve, this connection comprising a second connector which is intended to be fastened to the end of one of said two-phase pipes and a complementary first connector which is intended to be fastened to the complementary end of the other of said two-phase pipes.



21: 2024/02376. 22: 2024/03/25. 43: 2024/10/01
51: B22D; F16C
71: Primetals Technologies Austria GmbH
72: DIRNBERGER, Gregor, HOHENBICHLER, Gerald, WIMMER, Franz, ZEMNI, Marvin, POEPPL, Johann
33: EP(AT) 31: 21199895.0 32: 2021-09-29
54: PEDESTAL BEARING AND PRODUCTION PLANT WITH SUCH A PEDESTAL BEARING
00: -
The invention relates to a pedestal bearing (135) and a production plant (10) with a pedestal bearing (135) of this type, to a pedestal bearing (125) for mounting a slowly running body in a production plant (10), in particular a continuous casting installation, for producing a hot-rolled material (15), wherein the pedestal bearing (135) has a pedestal bearing housing (145) with a bearing seat (175), a cooling duct system (261) with at least one cooling duct (325), and an anti-friction bearing (230) which is arranged in the bearing seat (175) and has an anti-friction bearing outer ring (280), wherein the bearing seat (175) has a first inner circumferential side (170) which runs around the rotational axis (130), wherein the pedestal bearing housing (145) has a first contact surface (146), wherein the pedestal bearing housing (145) is configured to transmit a bearing force (F) from the anti-friction bearing outer ring (280) to the first contact surface (146), wherein the cooling duct (325) extends in the circumferential direction around the rotational axis (130) and is configured to conduct a coolant (410), which can be fed into the cooling duct (225), in order to cool the anti-friction bearing (230) and/or the pedestal bearing housing (145), wherein the first inner

circumferential side (170) of the bearing seat (175) of the pedestal bearing housing (145) delimits the cooling duct (225) radially on the outside and the anti-friction bearing outer ring (280) delimits the cooling duct (225) radially on the inside.

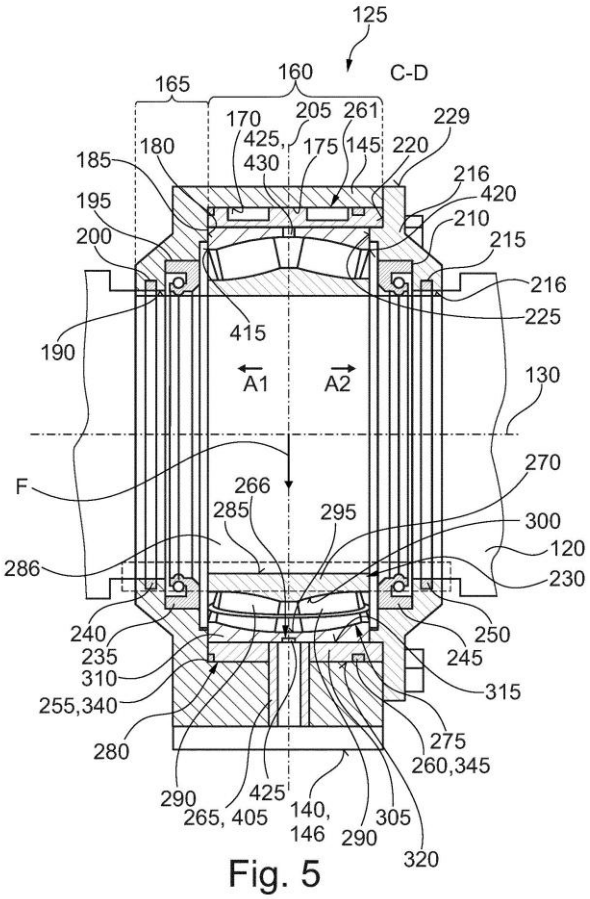
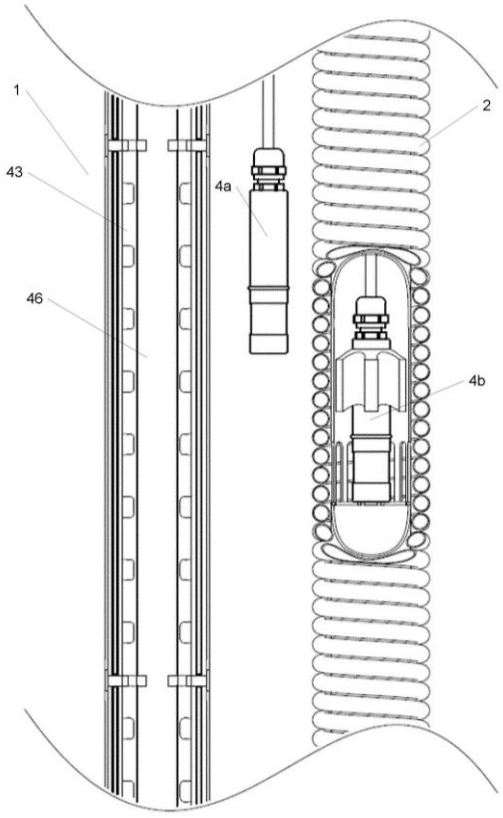
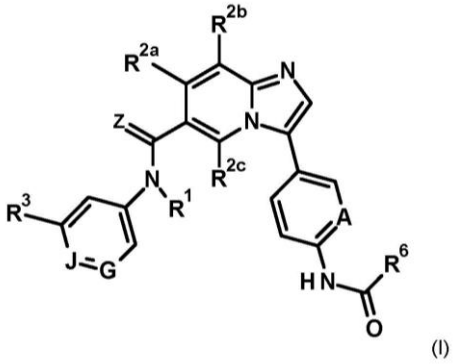


Fig. 5

21: 2024/02379. 22: 2024/03/25. 43: 2024/10/14
51: A23C; A23L; A61L
71: Lyras DK ApS
72: MORTENSEN, Rasmus, MATHIAS, Kristensen
33: DK 31: PA202170485 32: 2021-10-01
54: A UV GERMICIDAL TREATMENT SYSTEM FOR OPAQUE LIQUIDS
00: -
The invention discloses a system for a UV germicidal treatment, which enables a germicidal treatment of opaque liquids utilizing UV-C light, primarily in the wavelength between 180 nm to 300 nm. The invention further discloses a surveillance system to include into a system capable of germicidal treatment of opaque liquids, such as highly opaque liquids sensitive to UV overexposure.



21: 2024/02383. 22: 2024/03/25. 43: 2024/10/02
51: A01N; C07D
71: Syngenta Crop Protection AG
72: JEANMART, Stephane André Marie, BLUM, Mathias, LUMBROSO, Alexandre Franco Jean Camille, GERMAIN, Nicolas, POULIOT, Martin
33: EP(CH) 31: 21202562.1 32: 2021-10-14
54: IMIDAZO[1,2-A]PYRIDINE DERIVATIVES
00: -
The current invention relates to compounds of the formula (I) wherein the substituents are as defined in claim 1, to processes and methods for preparing compounds of formula (I), to agrochemical compositions comprising compounds of formula (I) as defined in claim 1, to preparation of these compositions and to the use of the compounds or compositions in agriculture or horticulture for combating, preventing or controlling infestation of plants, harvested food crops, seeds or non-living materials by phytopathogenic microorganisms, in particular fungi.



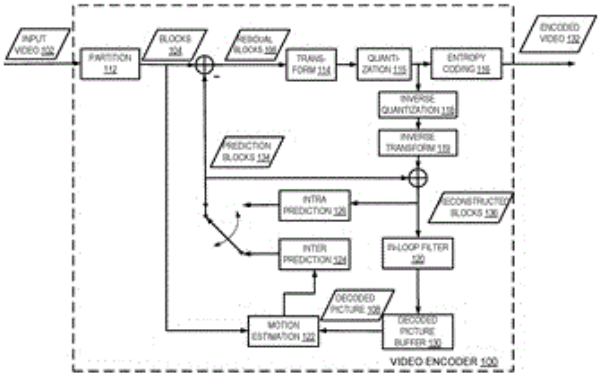
(I)

21: 2024/02385. 22: 2024/03/25. 43: 2024/10/01
51: H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: YU, YUE, YU, HAOPING
33: US 31: 63/251,385 32: 2021-10-01
33: US 31: 63/262,078 32: 2021-10-04
33: US 31: 63/260,600 32: 2021-08-26

54: OPERATION RANGE EXTENSION FOR VERSATILE VIDEO CODING

00: -

In some embodiments, a video decoder decodes a video from a video bitstream encoded using Versatile Video Coding (VVC). The video decoder determines a bit depth of samples of the video based on Sequence Parameter Set (SPS) syntax element sps_bitdepth_minus8 whose value is in the range of 0 to 8. The decoder further determines the size of a decoded picture buffer (DPB) based on a Video Parameter Set (VPS) syntax element vps_ols_dpb_bitdepth_minus8 whose value is in the range of 0 to 8. The decoder allocates a storage space with the determined size of the DPB, decodes the video bitstream into pictures based on the determined bit depth and stores the decoded pictures in the DPB. The decoder further outputs the decoded pictures for display.

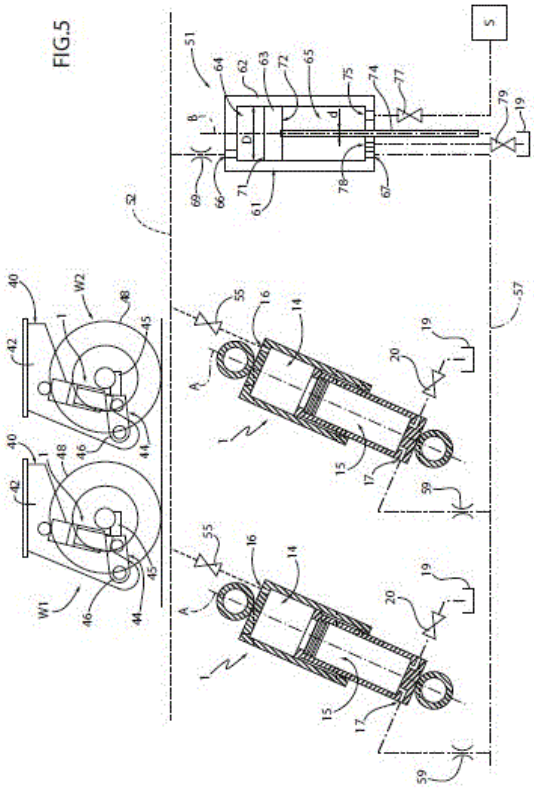


21: 2024/02396. 22: 2024/03/26. 43: 2024/10/14
51: B60G
71: Cometto S.p.A.
72: LIPPI, Fabrizio, FICKERS, Alexander, GIORDANO, Gabriele, FRONI, Francesco, GHIGLIONE, Stefano, MARTINI, Alessandro
33: IT 31: 102023000005817 32: 2023-03-27

54: HYDROPNEUMATIC SYSTEM PROVIDED WITH HYDROPNEUMATIC CYLINDERS FOR SUSPENSIONS OF VEHICLE WHEEL ASSEMBLIES, AND RELATIVE VEHICLE

00: -

A hydropneumatic system (51) for suspensions of vehicle wheel assemblies is provided, for each suspension, with a respective hydropneumatic cylinder (1) having a first and a second body (10,11), which can move axially relative to each other and define respective chambers (14,15), axially separated from each other via a piston element (30); the latter is coupled in a fluid-tight manner to the second body (11) and floats between two stroke end positions in response to the pressures in the two chambers (14,15); the two chambers (14,15) of each hydropneumatic cylinder (1) communicate respectively with a hydraulic supply line (52) and with a pneumatic supply line (57); the system (51) further has a pressurization device which sets the pressure in the pneumatic supply line (57) to a value at least equal to the pressure in the hydraulic supply line (52).

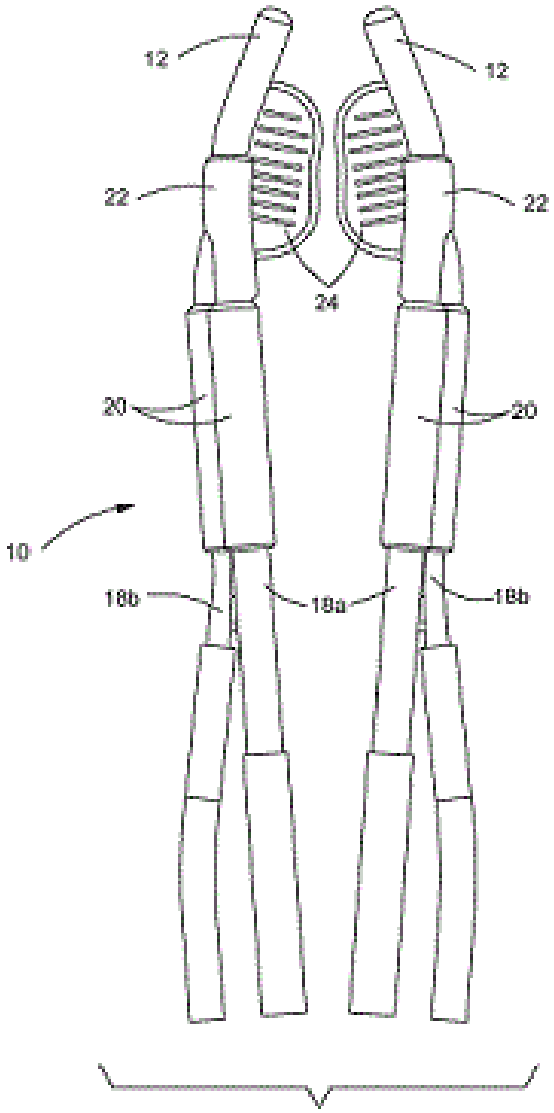


21: 2024/02411. 22: 2024/03/26. 43: 2024/10/01
51: A61C A61F
71: PARNES, Jason, Michael
72: PARNES, Jason, Michael
33: US 31: 63/238,832 32: 2021-08-31
33: US 31: 17/822,967 32: 2022-08-29

54: HANDS-FREE DEVICES AND METHODS FOR THE PREVENTION AND TREATMENT OF MIGRAINES AND OTHER HEAD AND NECK DISORDERS

00: -

A hands-free intraoral device for imparting a chilling treatment to a zone of intraoral tenderness within an oral cavity of a user. The hands-free intraoral device includes a carrier having a proximal end and a distal end. The distal end of the carrier is configured to be received within the oral cavity of the user and the proximal end of the carrier is configured to extend to a front and/or externally of the oral cavity of the user. A cooling element formed of a thermally conductive material selected to impart the chilling treatment to the zone of intraoral tenderness. A positioning element is operable to urge at least a portion of the cooling element in abutment with the zone of intraoral tenderness, providing for a hands-free positioning of the cooling element in abutment with the zone of intraoral tenderness.



21: 2024/02424. 22: 2024/03/26. 43: 2024/10/14
51: F16K
71: General Equipment and Manufacturing Company, Inc. d/b/a Topworx, Inc.
72: STUMBO, Briana N., PEYTON, Jason B.
33: US 31: 63/250,844 32: 2021-09-30

54: TRANSMISSION ASSEMBLY FOR SWITCHBOX

00: -

A valve controller includes a housing (118) defining an interior volume, and a transmission assembly (110) at least partially disposed in the interior volume of the housing. The transmission assembly includes a shaft coupled to a cam sub-assembly, which

includes a first side and a second side opposite the first side, a first cam, and a second cam coupled to the first cam. Each of the first and second cams includes a bore arranged to receive the shaft and a lobe. The lobe of the first cam and the lobe of the second cam being at least partially coplanar. A first switch (130) and a second switch (134) are disposed in the interior volume of the housing and adjacent to the transmission assembly. The lobe of the first cam is arranged to activate the first switch and the lobe of the second cam is arranged to activate the second switch.

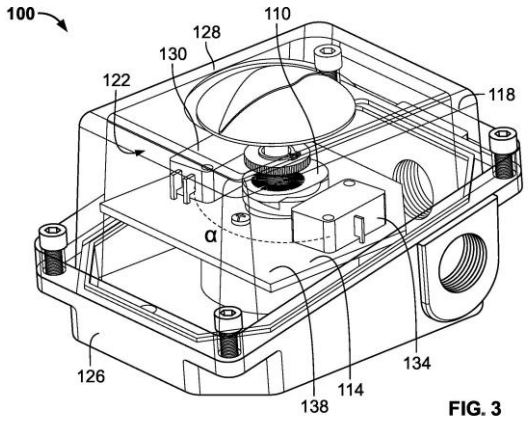
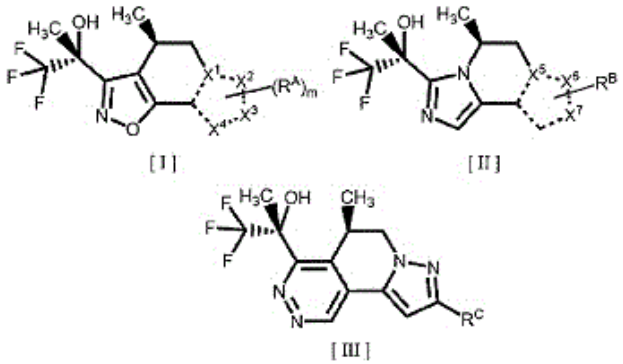
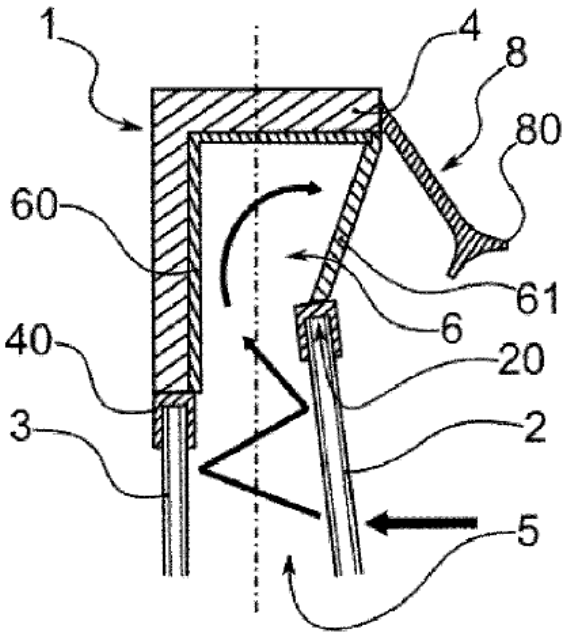


FIG. 3

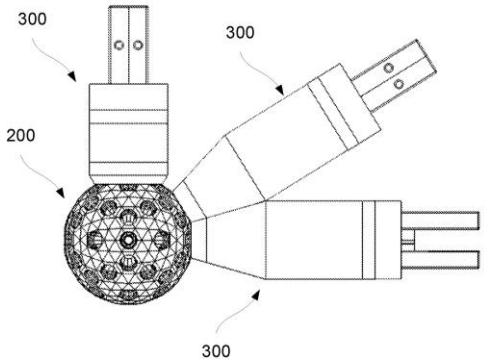
21: 2024/02435. 22: 2024/03/26. 43: 2024/10/01
51: C07D; A61K; A61P
71: JAPAN TOBACCO INC.
72: YAMAKAWA, MAKI, SUZAWA, KOICHI, YAMASHITA, TOMOYA, UENO, HIROSHI, MANABE, TOMOYUKI
33: JP 31: 2021-142742 32: 2021-09-01
54: NITROGEN-CONTAINING TRICYCLIC COMPOUND AND PHARMACEUTICAL USE THEREOF
00: -
The present invention provides a compound which has PDHK inhibitory activity and which is useful for treating or preventing diabetes (type 1 diabetes, type 2 diabetes, etc.), insulin resistance syndrome, metabolic syndrome, hyperglycemia, hyperlactatemia, diabetes complications (diabetic neuropathy, diabetic retinopathy, diabetic nephropathy, cataract, etc.), heart failure (acute heart failure, chronic heart failure), cardiomyopathy, myocardial ischemia, myocardial infarction, angina pectoris, dyslipidemia, atherosclerosis, peripheral arterial disease, intermittent claudication, chronic obstructive pulmonary disease, brain ischemia, stroke, mitochondrial disease, mitochondrial encephalomyopathy, cancer, pulmonary hypertension, Alzheimer's disease, vascular dementia, glaucoma, retinopathy of diabetes, retinopathy of prematurity, retinal vein occlusion, ischemic optic neuropathy, or chronic kidney disease. The present invention relates to a compound represented by formula [I], formula [II], or formula [III] or a pharmaceutically acceptable salt thereof. [In the formula, each symbol has the same meaning as in the description.]


[I] [II] [III]

21: 2024/02474. 22: 2024/03/27. 43: 2024/10/01
51: E04B; E06B
71: André AKERIB
72: AKERIB, André
33: FR 31: 2110120 32: 2021-09-27
54: GLAZED PANEL DEVICE AND ASSOCIATED INSTALLATION METHOD
00: -
The present invention relates to a glazed panel device (1) for a building, comprising an outer glazed wall (2) and an inner glazed wall (3), a frame (4) for attaching the walls (2, 3) to a structure (100) of said building, providing a cavity (5) therebetween with said outer glazed wall (2) inclined with respect to a longitudinal median plane of said panel (1), said cavity (5) converging towards an edge (20) towards a communicating cell (6) and leading to an opening towards the outer wall (3), said cell (6) being provided with at least one acoustic insulation (60). The device is characterised in that it comprises at least one sound and/or heat shield, located in the upper and/or lower part of said frame (4), oriented towards the centre of said device, according to a slope that flares out with respect to said longitudinal median plane of said panel (1).

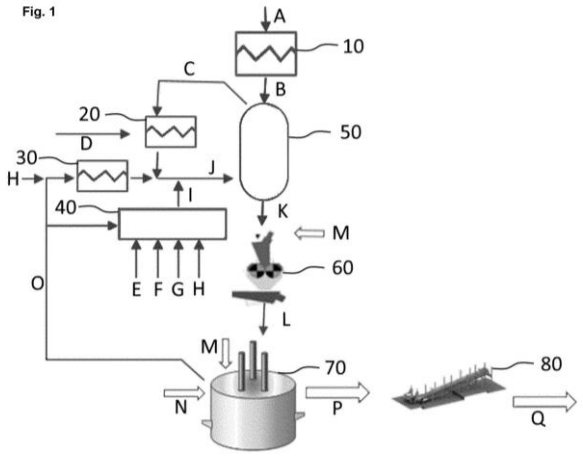


21: 2024/02481. 22: 2024/03/27. 43: 2024/10/01
51: E04B
71: PRODUKTIF NORWAY AS
72: KONGSHAUG, Rune
33: NO 31: 20211042 32: 2021-08-30
54: CONSTRUCTION SYSTEM FOR ASSEMBLY OF A STRUCTURAL CONSTRUCTION
00: -
Construction system (100) for assembly of structural construction, wherein the joint assembly (100) comprises hollow spherical joints (200) and connection assemblies (300) for structure elements (400) or joints, wherein the hollow spherical joint (200) is assembled by multiple identical interlocking joint members (210) or sets of corresponding identical interlocking joint members (210a-b), wherein the hollow spherical joint (200) is provided with multiple connection points (220), wherein the connection assembly (300) is adapted for detachable attachment to the connection points (220) and comprises a locking assembly (500) for locking and unlocking of the connection assembly (300) to the hollow spherical joint (200).



21: 2024/02490. 22: 2024/03/27. 43: 2024/10/01
51: C21B
71: Paul Wurth S.A.
72: KRULL, Jan, HANSMANN, Thomas, PAPALIA, Katia
33: LU 31: 500764 32: 2021-10-19
54: METHOD FOR REDUCING CARBON FOOTPRINT IN OPERATING A METALLURGICAL PLANT FOR PRODUCING PIG IRON
00: -
A method for reducing carbon footprint in operating a metallurgical plant for producing pig iron (P), the method comprising the steps of: (a) pre-heating iron ore fines (A) in a first electric pre-heater (10) based on Joule effect and/or microwave heating to a temperature above 600 °C to obtain pre-heated iron ore fines (B), (b) partially reducing the pre-heated iron ore fines (B) in one or more fluidized bed reactors (50) in the presence of a hot reducing gas (J) to obtain partially reduced iron (K, L); (c) feeding the partially reduced iron (K, L) to a submerged arc furnace (70) comprising a bath of molten metal with a top slag layer; (d) further reducing and melting the partially reduced iron (K, L) within the submerged arc furnace (70) in the presence of a carbonaceous material (M) to obtain molten pig iron (P); wherein, in step (b), the hot reducing gas (J) comprises hydrogen (D), syngas (I), off-gas (O) of the submerged arc furnace, other off-gases (H) from the metallurgical plant, or mixtures of two or more thereof, wherein said syngas (I) is produced from natural gas or biomethane (F), blast furnace gas (G), off-gas (O) of the submerged arc furnace (O), other off-gases from the metallurgical plant (H), or mixtures of two or more thereof in the presence of air or oxygen enriched air, steam or carbon dioxide (E) in one or more reforming reactors (40), wherein, in step b), the hot reducing gas (J) has a

temperature above 550 °C, and wherein, in step b), the partially reduced iron (K, L) has a metallization degree of 55 to 75 %, preferably 60 to 70 %.



21: 2024/02492. 22: 2024/03/27. 43: 2024/10/14
51: C07K; C12N
71: F. Hoffmann-La Roche AG
72: CARPY GUTIERREZ CIRLOS, Alejandro, CODARRI DEAK, Laura, DURINI, Greta, FREIMOSER-GRUNDSCHOBER, Anne, KLEIN, Christian, KOLL, Johann, LAUENER, Laura, MOESSNER, Ekkehard, NICOLINI, Valeria, SCHULENBURG, Cindy, UMAÑA, Pablo
33: EP(CH) 31: 21202553.0 32: 2021-10-14
54: NEW INTERLEUKIN-7 IMMUNOCONJUGATES
00: -
The present invention generally relates to mutant interleukin-7 polypeptides, immunoconjugates, particularly immunoconjugates comprising a mutant interleukin-7 polypeptide and an antibody that binds to PD-1. In addition, the invention relates to polynucleotide molecules encoding the mutant interleukin-7 polypeptides or the immunoconjugates, and vectors and host cells comprising such polynucleotide molecules. The invention further relates to methods for producing the mutant interleukin-7 polypeptides, immunoconjugates, pharmaceutical compositions comprising the same, and uses thereof.

21: 2024/02504. 22: 2024/03/27. 43: 2024/10/02
51: A61B; A61F; A61G
71: Swiss Safe Collect SA
72: CAILLETEAU, Benoît
33: FR 31: FR2110230 32: 2021-09-28
54: DEVICE FOR COLLECTING LIQUIDS
00: -
The invention relates to a device for collecting and analysing liquids, comprising: a flexible pouch comprising walls (2A, 2B) configured to form an opening (3A) therebetween for introducing liquids, a reagent device (4) comprising at least one element which is reactive to at least one component of a liquid, and a protective arrangement (9) configured to protect the reagent device from contact with a jet of liquid coming from the opening (3A) for introducing liquids.

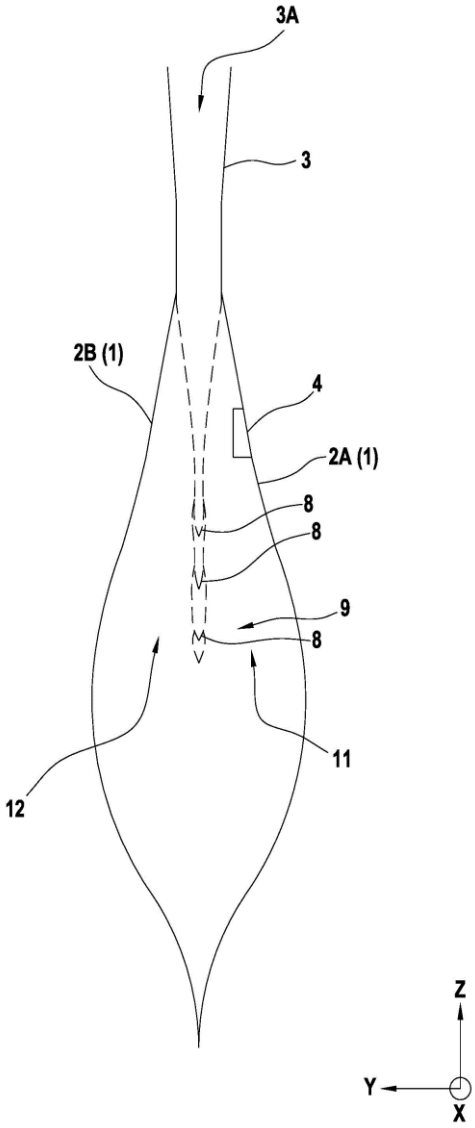


FIG. 2A

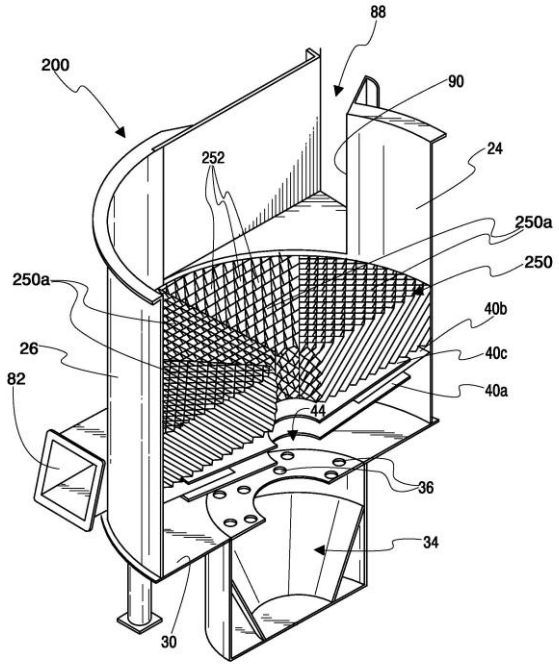
21: 2024/02505. 22: 2024/03/27. 43: 2024/10/14
51: B01D; C02F; E03F
71: Smith & Loveless Inc.

72: KELLY, John K., ZUZELSKI, Alexander P., MRKVICKA, Rodney S.

54: CIRCULAR GRIT REMOVER WITH TUBE SETTLERS

00: -

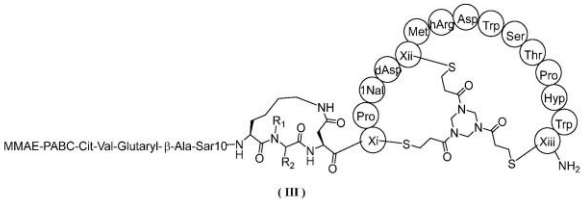
A grit removal unit including a cylindrical grit removal chamber above a grit storage chamber, with an opening to the grit storage chamber through the grit removal chamber bottom. At least one layer plate is an inverted truncated cone around the center axis which is spaced from the grit removal chamber vertical wall to allow fluid flow therebetween. An array of tube settlers is supported in the grit removal chamber above the layered plates and around the center axis. An influent opening in the grit removal chamber vertical wall below the layered plates allows fluid and grit into the grit removal chamber, and an effluent opening in the grit removal chamber vertical wall above the tube settlers allows fluid to exit the grit removal chamber.



21: 2024/02507. 22: 2024/03/27. 43: 2024/10/01
51: A61K; C07K
71: Conjustar (Zhuhai) Biologics Co., Ltd.
72: LI, Huining, XIA, Jianhua, JIANG, Zhigan, HE, Haiying, CHEN, Shuhui
33: CN 31: 202111150517.5 32: 2021-09-29
54: TRICYCLIC POLYPEPTIDE CONJUGATED DRUG AND USE THEREOF

00: -

Provided are a tricyclic polypeptide conjugated drug and the use thereof. Specifically provided are a compound as represented by formula (III), and a pharmaceutically acceptable salt thereof.



21: 2024/02511. 22: 2024/03/27. 43: 2024/10/14
51: C12N
71: Flagship Pioneering Innovations VI, LLC
72: DUDKIN, Vadim, PAEK, Ki Young, DE BOER, Alexandra Sophie, NELSON, Jennifer A.
33: US 31: 63/245,354 32: 2021-09-17
54: COMPOSITIONS AND METHODS FOR PRODUCING CIRCULAR POLYRIBONUCLEOTIDES

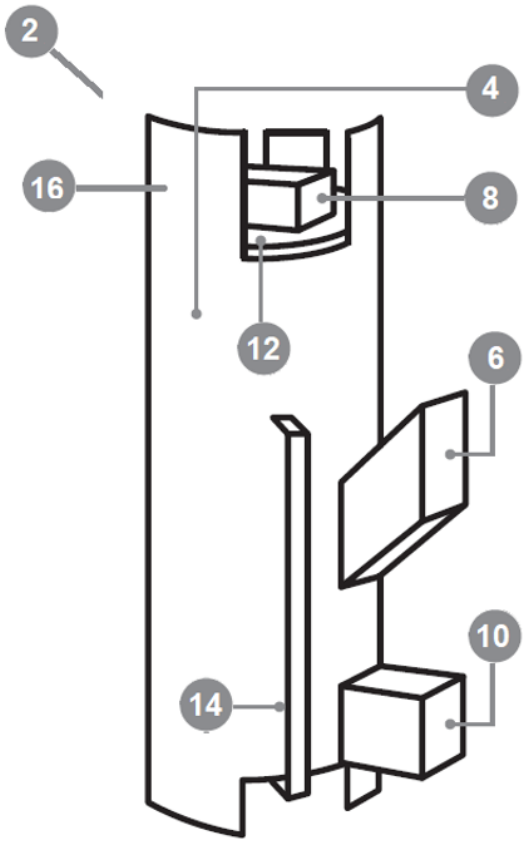
00: -

The present disclosure relates, generally, to compositions and methods for producing, purifying, and using circular RNA.

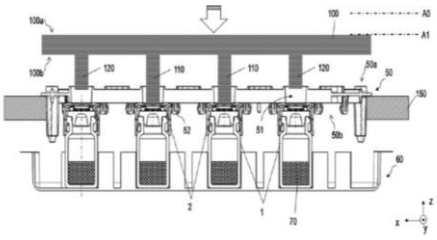
21: 2024/02520. 22: 2024/04/02. 43: 2024/10/03
51: F24C
71: VREDEHOEK PLUMBING (PTY) LTD
72: VAN NIEKERK, Nico
54: A DEVICE AND METHOD FOR HEATING WATER AND COOKING

00: -

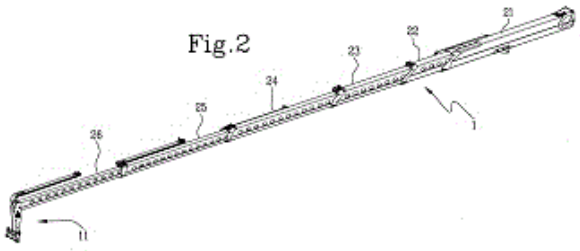
The present invention related to a device which is capable of generating heat to, in turn, heat water and provide a region for cooking food.



21: 2024/02535. 22: 2024/04/02. 43: 2024/10/03
51: B65B B65D
71: A. RAYMOND ET CIE
72: REY, Gaëtan
33: FR 31: FR2303537 32: 2023-04-07
54: EQUIPMENT FOR SEPARATING CAPS FROM THEIR CONDITIONING TRAY
00: -
The invention relates to equipment for separating caps (2) from a tray (50), after said caps (2) have been attached to bottles (1) to seal the latter. The tray (50) comprises a plurality of fastening systems (52) for holding caps (2) on a lower face (50b) of the plate (50), and a through opening (51) centered on each fastening system, the plurality of openings (51) being distributed according to a distribution pattern. The equipment comprises an unclipping plate (100) provided, on a lower face (100b), with rods (110, 120) distributed according to the distribution pattern.



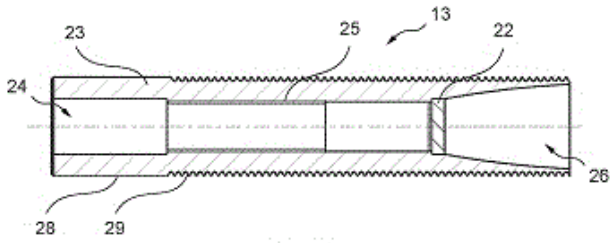
21: 2024/02544. 22: 2024/04/02. 43: 2024/10/14
51: B66C; F16B
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO
33: IT 31: 102023000006594 32: 2023-04-04
54: TELESCOPIC ARM FOR SELF-PROPELLED OPERATING MACHINES
00: -
Described is a telescopic lifting arm (1) for self-propelled operating machines (10) comprising three tubular elements (21, 22, 23, 24, 25, 26), with a decreasing cross-section and telescopically connected to each other to define a supporting structure, designed to move between a retracted configuration wherein said tubular elements (21, 22, 23, 24, 25, 26) are inserted one in the other and an elongated configuration wherein two tubular elements are partly extracted. The arm (1) comprises actuator means (5) associated with the tubular elements (21, 22, 23, 24, 25, 26) and configured for actuating two tubular elements (21, 22, 23, 24 25, 26) for pulling them out independently from one other and with different speeds.



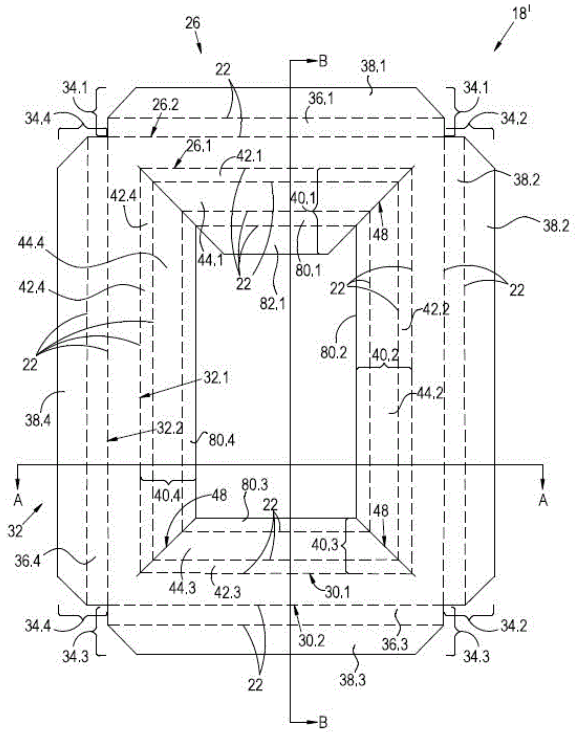
21: 2024/02554. 22: 2024/04/02. 43: 2024/10/04
51: A01N; A01P
71: Syngenta Crop Protection AG
72: ZHANG, Lianhong, LU, Liang, LAN, Lan
33: PCT/CN 31: 2021/127248 32: 2021-10-29
54: FUNGICIDAL COMPOSITIONS COMPRISING FLUDIOXONIL
00: -
The present invention relates to novel fungicidal compositions, to their use in agriculture or

horticulture for controlling diseases caused by phytopathogens, especially phytopathogenic fungi, and to methods of controlling diseases on useful plants.

21: 2024/02628. 22: 2024/04/04. 43: 2024/10/08
51: F03D
71: ENVISION ENERGY CO., LTD
72: JENS, GLUD, GIANCARLO, GIROLOMINI, LARS, OVERGAARD
33: DK 31: PA 2021 70490 32: 2021-10-05
54: A ROOT BUSHING, A BUSHING INSERT THEREOF, A WIND TURBINE BLADE COMPRISING SAID ROOT BUSHING AND A MANUFACTURING METHOD THEREOF
00: -
The present invention relates to a root bushing, a root bushing insert, a wind turbine blade and a method of manufacturing the wind turbine blade. The root bushing com-prises a bushing housing with an outer surface and a main bolt cavity. The outer surface is provided with an outer threaded portion arranged at a distance from the first end. The main bolt cavity has an inner threaded portion arranged at a distance from the first end. A cap element is positioned within the bushing housing at a distance from the second end and separates the main bolt cavity from a root insert cavity. The root insert cavity has a curved inner surface, which enables resin to fill the space between the inner sur-face and the end portion of the insert element.

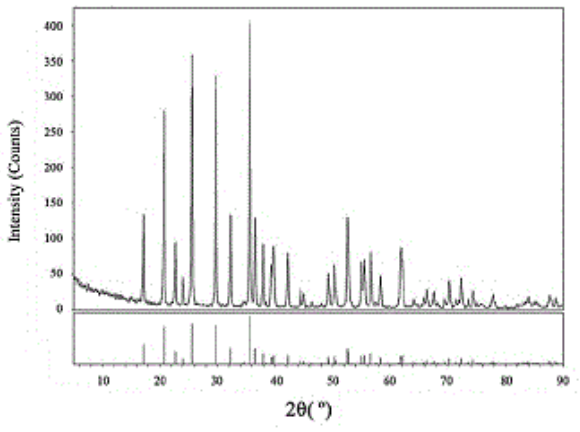


21: 2024/02642. 22: 2024/04/05. 43: 2024/10/08
51: A47G
71: FERGUSON, Roger Keith
72: FERGUSON, Roger Keith
54: PICTURE FRAME
00: -
A picture frame is provided for displaying photographs, the picture frame comprising a frame body and a backing sheet, both made from paperboard, with a frame body blank being die-cut and provided with fold lines to enable the frame body to be formed with a seamless peripheral edge. In particular, a frame body blank is provided to define the frame body of the picture frame, the frame body blank defining a seamless front face panel to define an inner edge and an outer edge; an outer flap extending from each outer edge of the front face panel, the outer flap defining an outer edge panel and a first rear panel; and an inner flap extending from each inner edge of the front face panel, the inner flap defining an inner edge panel and a second rear panel, the inner edge of the inner edge panel defining a display window.

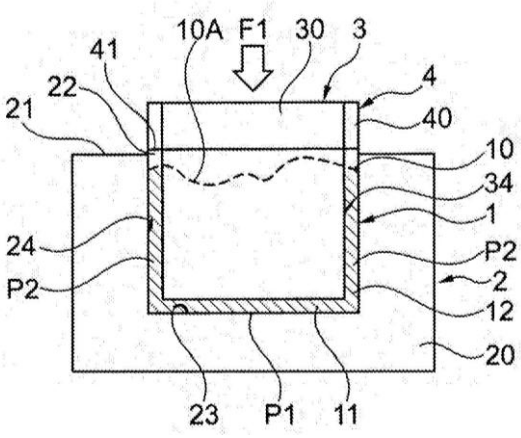


21: 2024/02648. 22: 2024/04/05. 43: 2024/10/08
51: C01B; H01M
71: SHANGHAI LIANGFU NEW ENERGY TECHNOLOGY CO., LTD.
72: YU, XIAOLIN
33: CN 31: 202111064354.9 32: 2021-09-10
54: NOVEL GREEN LITHIUM IRON PHOSPHATE PRECURSOR, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
00: -
Disclosed in the present invention are a novel green lithium iron phosphate precursor, a preparation method therefor and an application thereof. The preparation method for the lithium iron phosphate

precursor comprises the following steps: S1, reacting a mixture of an iron source and a phosphoric acid solution, and grinding after the reaction is completed to obtain a product A; reacting a mixture of an organic acid solution, a lithium source, and a carbon source, and obtaining a product B after the reaction is completed, the preparation order of the product A and the product B being not limited; and S2, grinding the mixture of the product A and the product B to obtain a lithium iron phosphate precursor. In the preparation process of the lithium iron phosphate precursor of the present invention, the solid content can be greatly improved, the energy consumption of the subsequent process is low, the preparation method is simple, and the cost is low. The prepared lithium iron phosphate precursor has extremely small particle size and high charge and discharge rate.



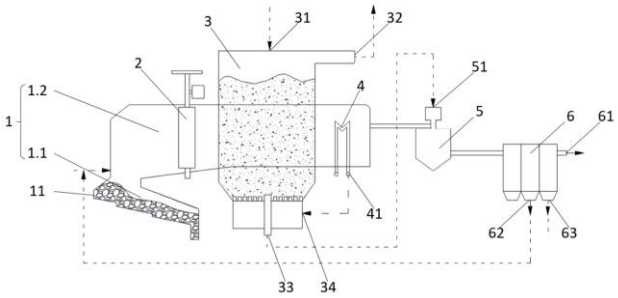
21: 2024/02657. 22: 2024/04/05. 43: 2024/10/14
51: B27N; B29C; B31B; B31F; B65D; D21J
71: Blue Ocean Closures AB
72: SANDBERG, Lars
33: SE 31: 2151225-6 32: 2021-10-06
54: PRESS MOLDING METHOD OF A CUP SHAPED FIBER PRODUCT, A FIBER PRESS MOULD AND A CUP SHAPED FIBER PRODUCT
00: -
This invention relates to a press molding method of a fiber product, at high pressure and high temperature, by means of a press pad device (2) and a stamp device (3,4), wherein said fiber product (1) comprises a bottom part (11), side walls (12) and an edge part (10), wherein said stamp device (3,4) comprising two stamp members (3,4), wherein a first stamp member (3) forms at least said bottom part (11) and a second stamp member (4) forms said edge part (10). This invention also relates to fiber press mould (2,3,4) and a fiber product (1).



21: 2024/02658. 22: 2024/04/05. 43: 2024/10/14
51: A61N
71: GE Precision Healthcare LLC
72: PULEO, Christopher Michael, COTERO, Victoria Eugenia
33: US 31: 63/255,339 32: 2021-10-13
54: ACTIVATION OF LATE RESPONSE GENES USING NEUROMODULATION
00: -
The present disclosure relates to the use of therapeutic ultrasound to non-invasively stimulate multiple peripheral nerve pathways that modulate energy homeostasis. An embodiment of the disclosed neuromodulation techniques includes neuromodulation techniques to treat a patient with a metabolic disorder. Certain embodiments of the disclosure are discussed in the context of blood glucose regulation.

21: 2024/02661. 22: 2024/04/05. 43: 2024/10/08
51: C10J; F23G
71: HUADIAN ELECTRIC POWER RESEARCH INSTITUTE CO., LTD.
72: XUE, Zhipeng
33: CN 31: 202310992910.1 32: 2023-08-08
54: BIOMASS GASIFICATION AND WASTE INCINERATION INTEGRATED FURNACE
00: -
Disclosed is a biomass gasification and waste incineration integrated furnace, which relates to the technical field of biomass gasification and waste incineration, and includes a waste incineration furnace chamber and a biomass gasification furnace

chamber. A mutual contact region exists between the waste incineration furnace chamber and the biomass gasification furnace chamber, and heat transfer can be realized between the waste incineration furnace chamber and the biomass gasification furnace chamber. Heat generated by the waste incineration furnace chamber is used for conduction to the biomass gasification furnace chamber, and excess heat generated by the waste incineration can be supplied to the biomass gasification furnace chamber for reactions therein, thereby reducing the heat additionally used by the biomass gasification furnace chamber and saving energy consumption.



21: 2024/02684. 22: 2024/04/08. 43: 2024/10/08
51: A22C; B26D
71: FREDDY HIRSCH GROUP PROPRIETARY LIMITED
72: SCHULTZ, Hermann August, FRITZ, Heindrich, LAUBSCHER, Jacobus Martin
33: ZA 31: 2023/04360 32: 2023-04-13
54: APPARATUS AND METHOD FOR MANUFACTURING SAUSAGES
00: -
A method and apparatus 10 for manufacturing sausages comprising a meat filler and a settable alginate gel casing paste forming a circumfused casing layer on the filler surface of the filler, includes a rotatable coextrusion head 12 for coextruding the filler and the casing paste so as to form a continuous sausage rope which is twisted and formed into sausage portions. The filler and the casing paste are fed to the coextrusion head via meat pump 28 and gel pump 32. A fixing solution for setting the casing paste is fed via a pump 34 onto the extruded casing paste as it is discharged from the coextrusion head. Two continuous belts 36.1 and 36.2 grip and pull the sausage rope from the coextrusion head while holding the sausage rope against rotation. Time intervals for formation of voids and twist between sausage portions, are controlled by a controller 38 to take place immediately after extrusion while the casing material is in a partially set state and prior to full solidification and setting of the casing material.

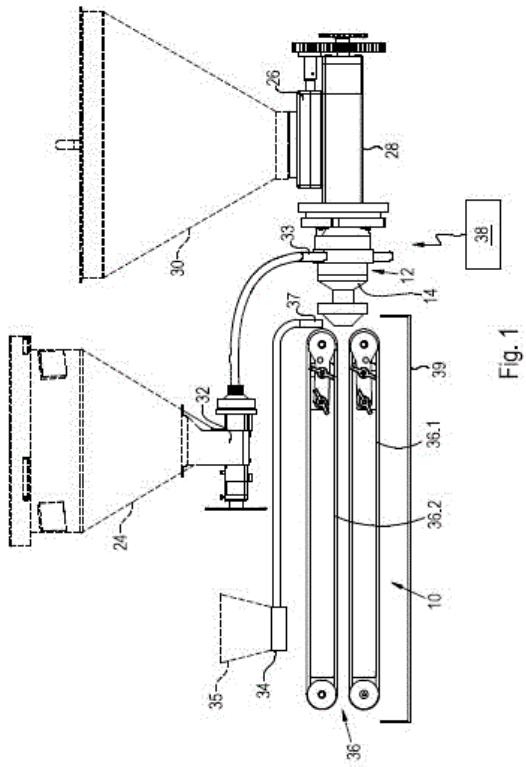
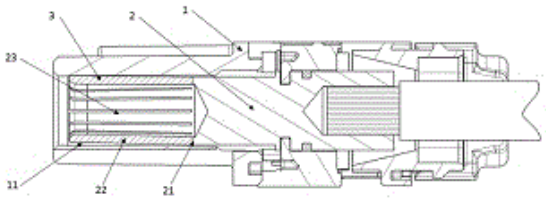


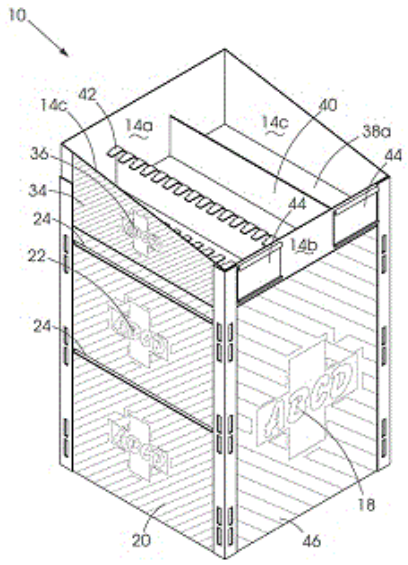
Fig. 1

21: 2024/02700. 22: 2024/04/08. 43: 2024/10/10
51: H01R; B60L
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202122236573.2 32: 2021-09-15
33: CN 31: 202111083188.7 32: 2021-09-15
54: CHARGING SEAT FOR HIGH-PRECISION TERMINAL CENTERING AND MOTOR VEHICLE
00: -
The present application provides a charging seat for high-precision terminal centering and a motor vehicle. The charging seat is provided with a cavity that accommodates a charging terminal; a gap is provided between an inner circumferential wall of the cavity and an outer circumferential wall of the charging terminal; and a supporting elastic piece is disposed in the gap, the supporting elastic piece is arranged in the circumferential direction of the charging terminal, and the supporting elastic piece is configured to restrict the axis of the charging

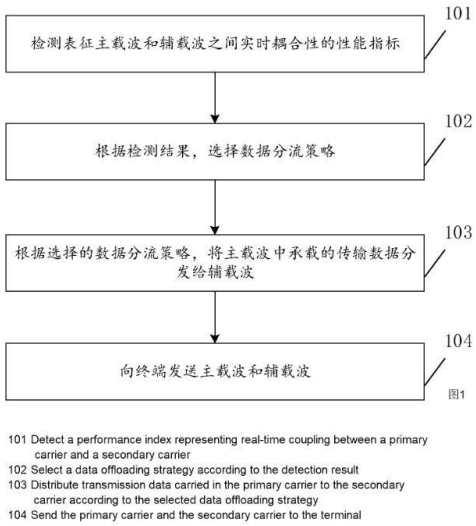
terminal from deviating from the axis of the cavity. According to the charging seat in the present application, a pairing terminal can be automatically centered with high precision, so that the pairing terminal can make full insertion contact, thereby reducing the contact resistance between the charging terminal and the pairing terminal, improving the electrical performance of the charging seat, reducing the risks of fire and combustion during charging of the charging seat, and prolonging the service life of the charging seat.



21: 2024/02722. 22: 2024/04/09. 43: 2024/10/10
51: A47F
71: SMART CART (PTY) LTD
72: UNGERER, CECIL WINTON
54: A MODULAR MERCHANDISE DISPLAY
00: -
A modular merchandise display includes a base assembly including a front base piece and two side base pieces. A front display piece and at least one side display piece have an inner magnetic surface by means of they are removably connectable to a respective base piece. Each display piece further having an outer display surface able to receive alphanumeric and/or graphical information to be displayed thereon. At least one tray and at least one hook each have a connecting formation sized and shaped to pass through openings in the side display pieces and the base assembly to thereby connect to the base assembly. A top base piece has walls extending up from the top base piece to form a merchandise tray including a space in which merchandise can be placed for display.

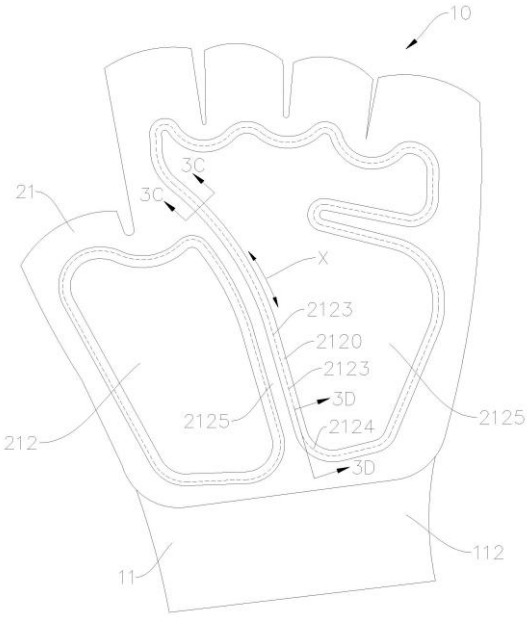


21: 2024/02744. 22: 2024/04/09. 43: 2024/10/10
51: H04W
71: ZTE CORPORATION
72: ZHANG, Wanchun, WU, Feng, WANG, Lingbin
33: CN 31: 202111275394.8 32: 2021-10-29
54: DATA OFFLOADING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
Embodiments of the present application relate to the field of communications, and discloses a data offloading method and apparatus, an electronic device, and a storage medium. The application data offloading method comprises: detecting a performance index representing real-time coupling between a primary carrier and a secondary carrier; selecting a data offloading strategy according to the detection result; distributing transmission data carried in the primary carrier to the secondary carrier according to the selected data offloading strategy; and sending the primary carrier and the secondary carrier to the terminal.



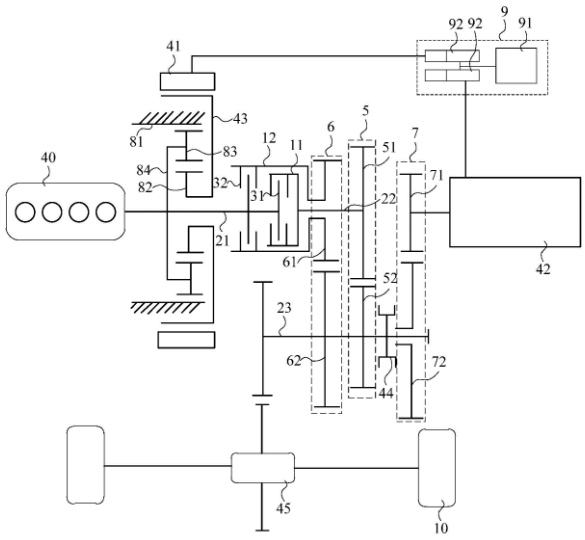
21: 2024/02746. 22: 2024/04/09. 43: 2024/10/10
51: A41D
71: John Engine Sports Products Inc
72: LI, Qingfeng, CAI, Wenlan
33: CN 31: 202111118812.2 32: 2021-09-23
54: GLOVE STRUCTURE
00: -

A glove core (11) of a glove structure (10) is covered with at least one glove component (21) so as to separately simulate a dermis layer (B) and an epidermis layer (C) of skin. The glove component (21) forms a pressed region (2120) that is depressed downward from an upper surface (212) of the glove component (21) and is strip-shaped along an extending direction so as to act as a skin groove (A2) in a palm print (A) of the epidermis layer (C). The pressed region (2120) comprises a bonding region (2121), a bottom part (2122), a plurality of protrusions (2123) and a plurality of submerged segments (2124). The part of the upper surface (212) that does not form the pressed region (2120) is at least one non-pressed region (2125). The bottom part (2122) between the protrusions (2123) and the non-pressed region (2125) acts as the skin groove (A2), the bottom part (2122) is provided with the plurality of protrusions (2123) to act as ridge skin (A1) in the palm print, and submerged segments (2124) between adjacent protrusions (2123) act as a submerged region (A12) in the palm print. The pressed region (2120) enables the glove component (21) to easily form wrinkles. Therefore, when an object is grasped, the glove structure (10) curls over easily to increase the gripping force on the object, and the increase in the gripping force also leads to an increase in friction.



21: 2024/02748. 22: 2024/04/09. 43: 2024/10/10
51: B60K; F16D
71: Chery Automobile Co., Ltd.
72: ZHANG, Hengxian, ZHOU, Zhiguang, HUANG, Dong, GENG, Lizhen
33: CN(PC) 31: 202111232576.7 32: 2021-10-22
54: DUAL CLUTCH ASSEMBLY, HYBRID POWER SYSTEM, AND VEHICLE
00: -

A dual-clutch assembly including a first rotating shaft, a second rotating shaft, a hollow shaft, a first clutch, and a second clutch. The first rotating shaft and the second rotating shaft are arranged coaxially at intervals, and the hollow shaft is sleeved outside the second rotating shaft. The first clutch is between the first rotating shaft and the second rotating shaft, a driving part of the first clutch is connected with the first rotating shaft, and a driven part of the first clutch is connected with the second rotating shaft. A driving part of the second clutch is on one side, away from the second rotating shaft, of the first clutch and is connected with the first rotating shaft, and a driven part of the second clutch is connected with the hollow shaft.



21: 2024/02765. 22: 2024/04/10. 43: 2024/10/11
51: E04B; E04C
71: PRINSLOO, Wessel Frans, TOPFLOOR CONCRETE PROPRIETARY LIMITED
72: PRINSLOO, Wessel Frans
33: ZA 31: 2023/04249 32: 2023-04-11
54: CONCRETE WALL STRUCTURES
00: -
A free-standing pre-cast concrete walling column 10 forming part of a concrete security wall, comprises a base flange 12 defining a flat planar ground-contacting bottom surface 14 for location on a flat substrate; first and second spaced support posts 15; and a solid walling web 16 extending between the support posts. The support posts 15 and the walling web 16 extend upwardly from the base flange 12 which provides a stable base for supporting the walling column on a substrate. The base flange 12 and the support posts 15 define locating grooves 18 at opposite lateral sides of the walling column for locating end regions of in-fill wall panels relative to the walling column for constructing a security wall wherein the in-fill wall panels extend between spaced walling columns. The walling column 10 includes an abutment formation at a lower end of each of the locating grooves on which an end region of the lowermost in-fill panel rests.

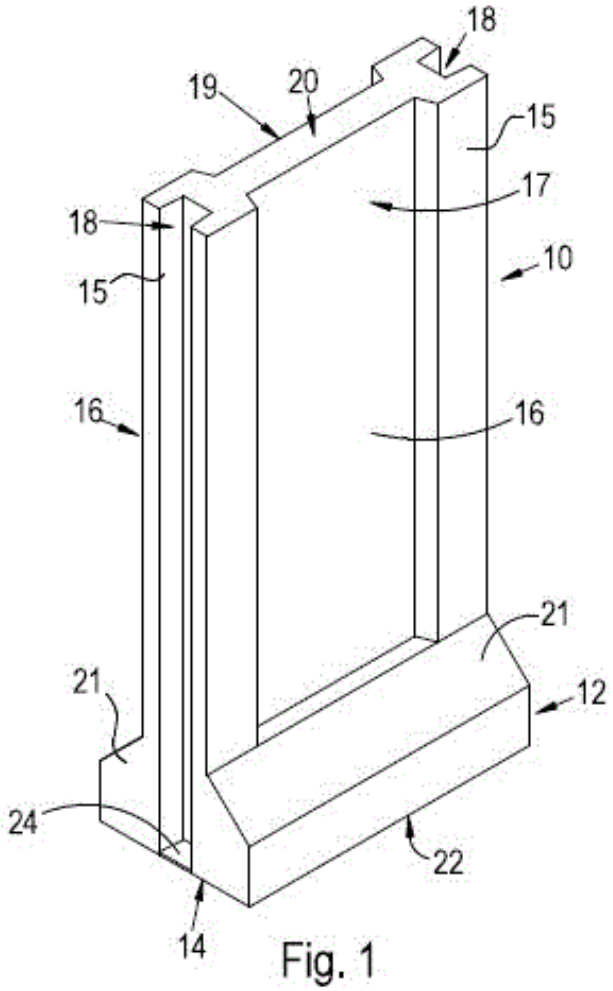
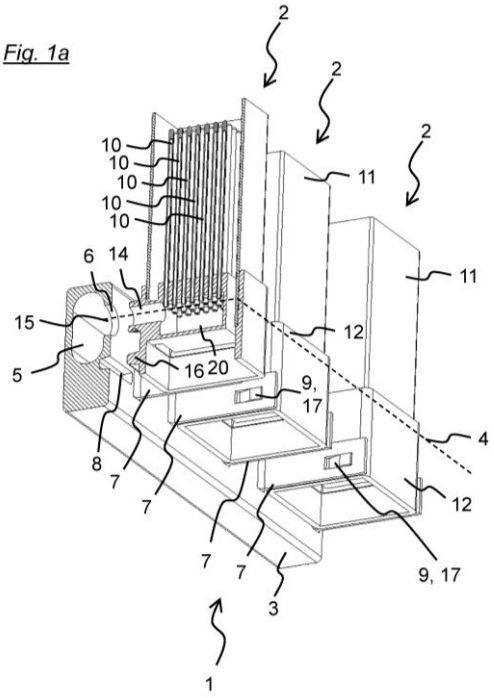


Fig. 1

21: 2024/02778. 22: 2024/04/09. 43: 2024/10/11
51: B01D; C02F
71: MEMBION GMBH
72: VOLMERING, Dirk, VOSSENKAUL, DR., Klaus
33: DE 31: 10 2021 124 250.9 32: 2021-09-20
54: MEMBRANE FILTER AND METHOD FOR PRODUCING A MEMBRANE FILTER
00: -
The invention relates to a membrane filter (1) for a submerged operation for filtering a liquid, comprising membrane elements (2), which are arranged next to one another horizontally and each of which has the following features: • membranes (10) arranged in a vertical longitudinal direction for filtering a liquid permeate out of the filter and • at least one header (12) that is arranged at a header height (4) and comprises a permeate collecting chamber (20), to which the membranes (10) are connected on the permeate side, and a permeate outlet (14) for discharging the permeate out of the permeate

collecting chamber (20) in a discharge direction (15) transversely to the longitudinal direction, wherein the permeate outlets (14) are connected to a common permeate collector (3) running parallel to a surface of the liquid, said permeate collector discharging the permeate out of the membrane filter (1). The invention additionally relates to a method for producing such a membrane filter (1). In order to simplify the production of the membrane filter (1), the permeate collector (3) is arranged next to the headers (12) at the header height (4).

Fig. 1a



21: 2024/02814. 22: 2024/04/11. 43: 2024/10/16
51: A61M
71: Industrie Borla S.p.A.
72: GUALA, Gianni
33: IT 31: 102023000006996 32: 2023-04-12
54: VALVE CONNECTOR FOR MEDICAL LINES
00: -
Valve connector for infusion medical lines including a base (1) and a lid (2) defining an inlet (12) and an outlet (6), and an internal elastic element (3) having a head (22) provided with a pre-slit (26) and normally arranged in the inlet (12) to close the connector in deactivated condition. The base (1) is formed with a hollow pin (7) having a closed terminal (17) with a plurality of radial slots (20) and the elastic element (3) has an end retaining part (24) formed with a convolute (28) which - during the displacement of the elastic element (22) towards an activated opening condition of the connector - deforms under traction within an annular space (10) of the base (1).

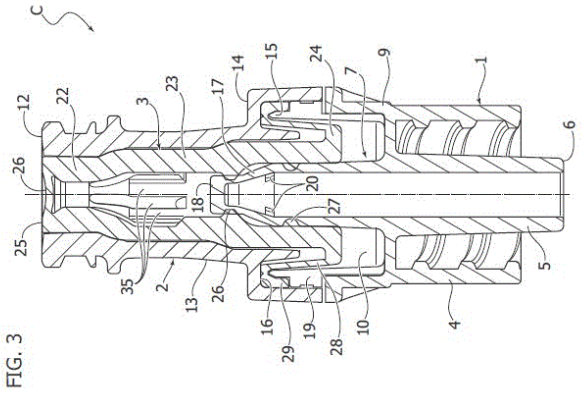


FIG. 3

21: 2024/02837. 22: 2024/04/11. 43: 2024/10/16
51: A01G
71: Blackmore Company, Inc.
72: BLACKMORE JR., Fred N.
33: US 31: 17/502,811 32: 2021-10-15
54: HORTICULTURE TRAY SUPPORT SYSTEM
00: -
A horticulture tray support system including a plurality of horticulture trays. Each one of the plurality of horticulture trays defines a plurality of growing cells. A stand includes a plurality of vertical supports spaced apart along a length of the stand. A horizontal support extends along the length of the stand between at least two of the plurality of vertical supports. The stand is configured to support the plurality of horticulture trays above a surface that the plurality of vertical supports are seated on.

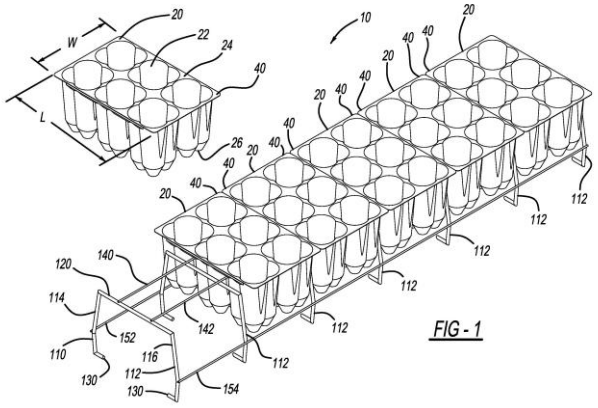


FIG - 1

21: 2024/02850. 22: 2024/04/12. 43: 2024/10/17
51: A01C
71: MARCHESAN IMPLEMENTOS E MÁQUINAS AGRÍCOLAS TATU S.A.
72: MARCHESAN, JOSÉ LUIZ ALBERTO, DE SANTI LOUREIRO, LUIZ GONZAGA , DE SOUZA, ANDERSON RICARDO
33: BR 31: BR102023007954-7 32: 2023-04-26
54: SEED DISTRIBUTORS
00: -
A farm seed distributor with provisions that enable (i) fast coupling and uncoupling between a distributor base and a seed reservoir; (ii) removal of seeds from an interior of the distributor in a fast and practical manner; and (iii) interruption of the flow of seeds between the reservoir and the distributor base in a fast and practical manner.

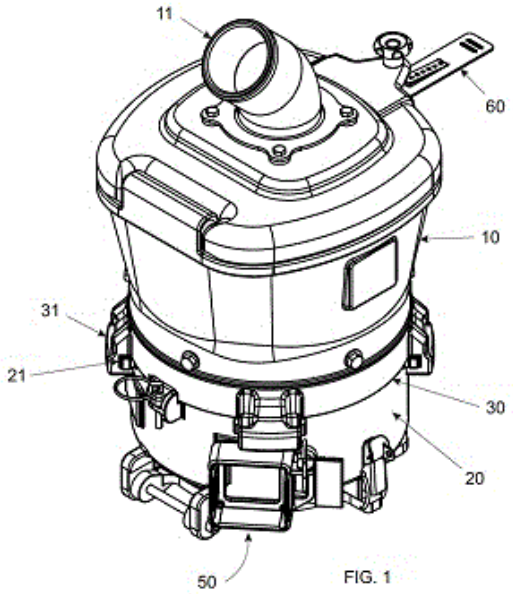
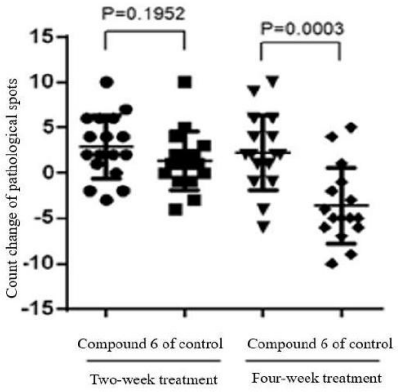


FIG. 1

21: 2024/02868. 22: 2024/04/12. 43: 2024/10/17
51: A61K; A61P
71: SMILEBIOTEK ZHUHAI LIMITED
72: WEI, Lai
33: CN 31: 202111067959.3 32: 2021-09-13
54: TREATMENT METHOD FOR RETINAL DEGENERATION
00: -
The present disclosure provides a treatment method for retinal degeneration. The method includes administering an inhibitor or microbicid for a microorganism to eyes or a gastrointestinal tract of a patient. Specifically, the present disclosure proves that the inhibitor or microbicid may be used as a drug for treating a retinal degeneration disease by establishing an eye disease model or an eye disease model carrier, especially, a retinal degeneration model or model carrier.



21: 2024/02900. 22: 2024/04/15. 43: 2024/10/17
51: F03D
71: Beijing Tensam High-Tech Wind Power Technology Co., Ltd.
72: WANG, Peixian, XU, Ruilong, CONG, Ou
33: CN 31: 202111137327.X 32: 2021-09-27
54: TOWER TUBE SECTION, TOWER FRAME, WIND TURBINE GENERATOR SET, MOLD, AND FORMING METHOD
00: -
A tower tube section (100). The tower tube section (100) comprises: a tube section base body (10), comprising two or more tower tube pieces (11) successively distributed along the circumferential direction of the tube section base body (10); and a connecting assembly (20), in the circumferential direction, two adjacent tower tube pieces (11) being connected by means of the connecting assembly (20). The connecting assembly (20) comprises a first connecting member (21) and a second connecting member (22); the first connecting member (21) is located inside one of two adjacent tower tube pieces (11), and the second connecting member (22) is at least partially located inside the other of the two adjacent tower tube pieces (11); the first connecting member (21) comprises an adapter portion (211) and an anchoring portion (212); the adapter portion (211) is connected to the second connecting member (22), and the anchoring portion (212) is connected to one side of the adapter portion (211) facing away from the second connecting member (22). A tower frame (1) comprises two or more tower

tube sections (100) connected to each other. A wind turbine generator set comprises the tower frame (1). Disclosed are a mold (5) for manufacturing the tower tube section (100) and a method for manufacturing the tower tube section (100) using the mold (5).

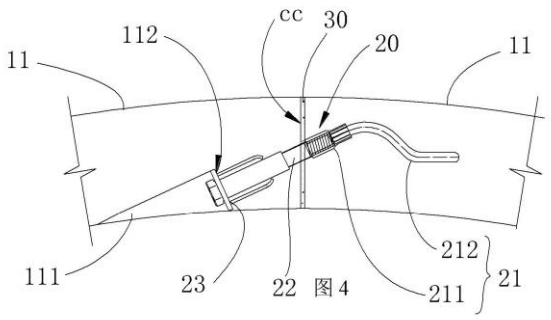
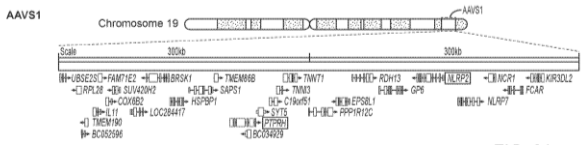


图 4

21: 2024/02949. 22: 2024/04/17. 43: 2024/11/13
51: A61K; C12N
71: ARSENAL BIOSCIENCES, INC.
72: ZHENG, Xinying, GALVIN, Brendan, KHARE, Somya, COOPER, Aaron, NGUYEN, Michelle, YAO, Anzhi
33: US 31: 63/105,834 32: 2020-10-26
33: US 31: 63/141,926 32: 2021-01-26
33: US 31: 63/179,143 32: 2021-04-23
54: SAFE HARBOR LOCI
00: -
Provided herein are safe harbor loci and methods for identifying and using safe harbor loci. The safe harbor loci exhibit increased knock-in efficiency and allow for increased, stable expression of transgenes.



21: 2024/02979. 22: 2024/04/17. 43: 2024/10/23
51: A61K; A61Q
71: Beiersdorf AG
72: SIVACILAR, Berkay Daniel, GOULET-HANSSENS, Alexis, VOLBRICH, Heike, HEINSEN, Carsten, SCHLENKER, David
33: DE 31: 10 2021 210 629.3 32: 2021-09-23
54: COSMETIC PREPARATION CONTAINING LIME GLASS BEADS WITH HIGH SPECIFIC WEIGHT
00: -
The invention relates to a cosmetic preparation that contains at least one oil phase and lime glass beads with a specific weight of at least 2.48 g/cm³.

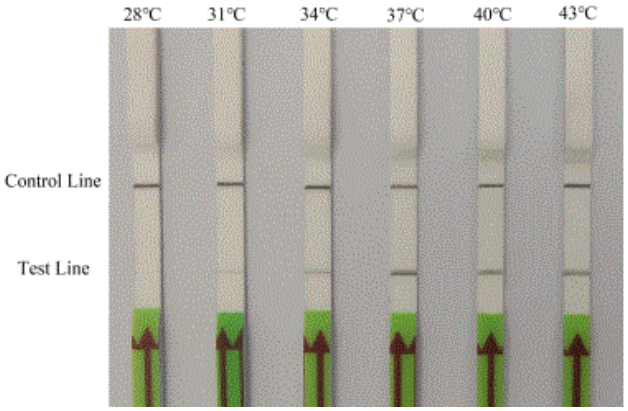
21: 2024/02983. 22: 2024/04/17. 43: 2024/10/23
51: A01N; A01P
71: Syngenta Crop Protection AG
72: JHURRY, Nema Devi, FORREST, James Owen
33: EP(CH) 31: 21205679.0 32: 2021-10-29
54: AGROCHEMICAL FORMULATIONS FOR MITIGATING CRYSTALLIZATION
00: -
Formulations having fludioxonil and castor oil.

21: 2024/03000. 22: 2024/04/18. 43: 2024/10/23
51: C22B
71: HERAEUS PRECIOUS METALS GMBH & CO. KG
72: VAN TONDER, Waldo, JOUBERT, Johannes Albert Hendrik, MPUHLU, Batsho, MOCK, Dr. Christian, GEORGE, Zipporah
54: PROCESS FOR THE PREPARATION OF OSMIUM SPONGE
00: -
A process for the preparation of osmium sponge comprising the steps of: (1) providing osmeth, an aqueous solution of ethanol and an aqueous solution of hydrazine-hydrate, (2) preparing a mixture of the osmeth and the aqueous solution of ethanol, both provided in step (1), (3) adding the aqueous solution of hydrazine-hydrate provided in step (1) to the mixture prepared in step (2), so forming an aqueous slurry of black-colored solid particles comprising osmium, (4) separating the black-colored solid particles comprising osmium from the aqueous phase of the aqueous slurry formed in step (3), (5) washing the black-colored solid particles comprising osmium separated in step (4) with water or preferably with an aqueous solution of ammonium chloride, (6) drying the washed black-colored solid particles comprising osmium obtained in step (5), and (7) heat treating the dry black-colored solid particles comprising osmium obtained in step (6) in a reducing and hydrogen containing atmosphere, so yielding osmium sponge.

21: 2024/03006. 22: 2024/04/18. 43: 2024/10/23
51: B01D; B01J; C01B
71: GUIZHOU WENGFU LANTIAN FLUORCHEM CO., LTD
72: ZHANG, HONGYING, HE, YONGGANG, CHEN, WEI, ZHANG, NAN, WU, XINGQIAN, LI, JIANGUO
33: CN 31: 202310422852.9 32: 2023-04-19
54: METHOD FOR SEPARATING MIXED SOLUTION CONTAINING HYDROGEN FLUORIDE AND SULFURIC ACID

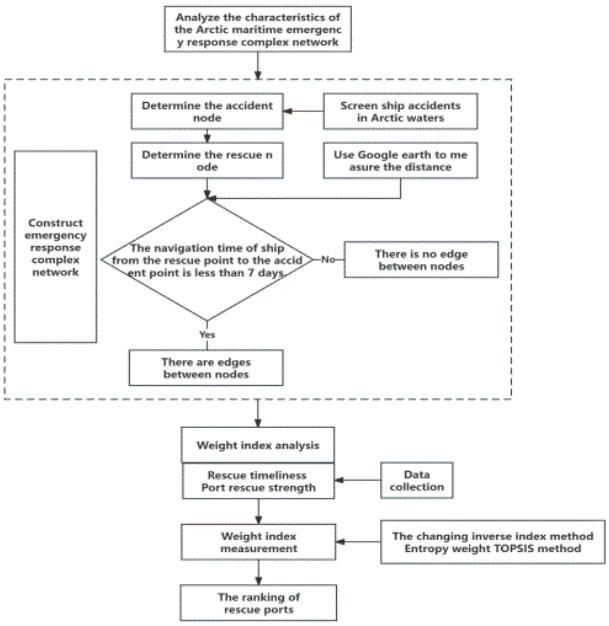
00: -
The present invention relates to the technical field of hydrogen fluoride production, and specifically relates to a method for separating a mixed solution containing hydrogen fluoride and sulfuric acid. The method comprises the following steps: A) reacting concentrated fluosilicic acid with concentrated sulfuric acid in a reaction device to generate silicon tetrafluoride gas and sulfuric acid solution containing hydrogen fluoride; B) performing two-stage separation on a first part of sulfuric acid solution containing hydrogen fluoride to obtain hydrogen fluoride gas; and heating a second part of sulfuric acid solution containing hydrogen fluoride and reusing it in the reaction device. In the present invention, the two-stage separation is used; and the other sulfuric acid solution containing hydrogen fluoride drawn from the reaction device after the main reaction enters the reaction device again after being heated, resulting in low energy consumption.

21: 2024/03044. 22: 2024/04/19. 43: 2024/12/05
51: C12Q
71: Xinjiang Agricultural University
72: Qiang FU, Yingxin LI, Yafang XU, Huijun SHI, Li YANG, Siqi MA, Junzhen CHEN, Fengsiyue GAO, Rezeguli·AIKEBAIER
54: A VISUAL DETECTION METHOD FOR INFECTIOUS HEMATOPOIETIC NECROSIS VIRUS AND ITS APPLICATION
00: -
The invention discloses a visual detection method for infectious hematopoietic organ necrosis virus and its application, which relates to the field of biotechnology. according to the design principle of RAA primers, a pair of specific RAA primers are designed based on the gene of highly conserved region of IHNV, the RAA technology is combined with IFD to establish RAA-LFD detection method, and the judgment results can be judged by visual observation of T-line and C-line bands. The invention adopts the above-mentioned visual detection method of infectious hematopoietic necrosis virus and its application. This method has no cross-reaction to a variety of common pathogenic microorganisms of fish such as SVCV, VHSV, EHNV, IPVN and ISAV, and has good specificity and high sensitivity. It can detect samples with small viral load, and the minimum detection limit is 1copies/microliter.

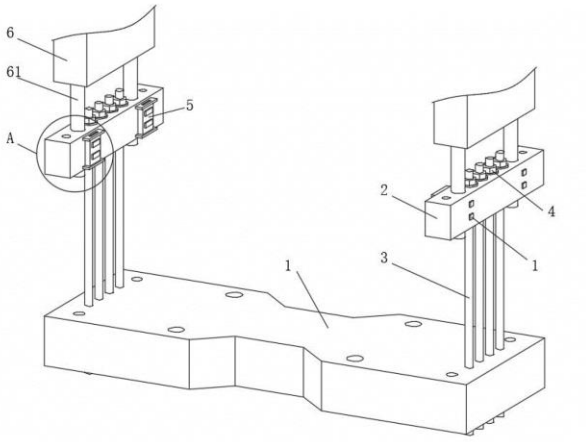


21: 2024/03048. 22: 2024/04/19. 43: 2024/11/22
51: G06Q
71: Shanghai Ship and Shipping Research Institute Co., Ltd, Dalian Maritime University
72: Xiaoxue MA, Ting WANG, Laihao MA, Weiliang QIAO, Bing HAN, Yulan ZHAO, Weijie WU, Liguang CHEN
33: CN 31: 2023104403814 32: 2023-04-23
54: A DECISION-MAKING METHOD FOR EFFICIENT EMERGENCIES RESCUE PORTS FOR ARCTIC MARITIME EMERGENCIES
00: -
The invention provides a decision-making method for efficient emergency rescue ports for Arctic maritime emergencies, which involves the field of maritime emergency response technology. In this method, the Arctic maritime emergency response complex network is constructed according to the Arctic search and rescue responsibility area and the historical data of ship accidents in Arctic waters. The edge weight index of the Arctic maritime emergency response complex network is determined, the edge weight index includes: rescue timeliness and the rescue strength of the port itself; the edge weight index is calculated by using the changing inverse index method and the entropy weight TOPSIS method respectively. According to the results of the edge weights, in order to sort the emergency response capabilities of the optional rescue ports in the event of a sudden maritime accident, the emergency rescue ports are determined according to the sorting results. The invention enhances the efficiency of emergency rescue of ships under maritime emergencies, and further improves the

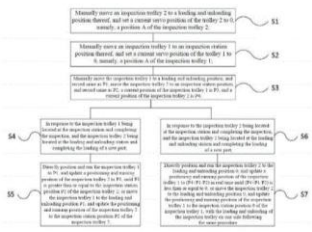
emergency response capabilities of Arctic maritime emergencies.



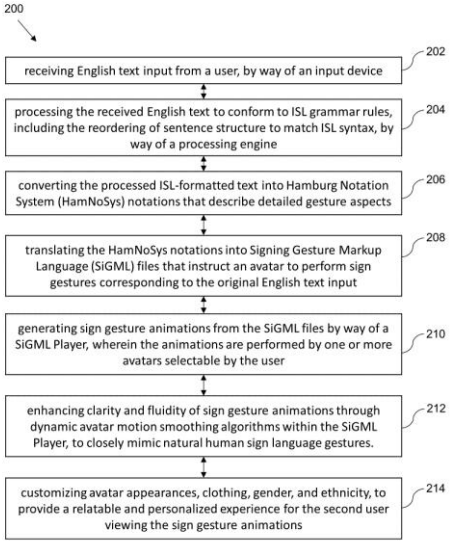
21: 2024/03102. 22: 2024/04/22. 43: 2024/12/06
51: B66F
71: China Railway 24th Bureau Group Bridge and Construction Co., Ltd., China Railway 24th Bureau Group Corporation Limited
72: Fengfeng Han, Jintao Liang, Shutai Zhu, Wenling Hu, Wenjun Sun, Weiping Yang, Xiaohu Duan, Peng Tan
54: SPREADER DEVICE FOR INTEGRAL LIFTING
00: -
A spreader device for integral lifting is provided. The lifting spreader includes balance beams, connecting spreaders, fining twisted steel bars and nuts. Two of the connecting spreaders are arranged below a special beam-carried crane spreader. The balance beam is fixedly connected to the bottoms of the two connecting spreaders through a plurality of fining twisted steel bars and nuts. The bottom of the special beam-carried crane spreader is provided with two lifting posts, and the surface of the connecting spreader is provided with lifting holes corresponding to the lifting posts. The bottom of the lifting post runs through the lifting hole to the bottom of the connecting spreader. A quick inserting structure is arranged between the lifting spreader and the lifting post.



21: 2024/03125. 22: 2024/04/23. 43: 2024/11/22
51: B65G
71: Chongqing Unicomp Technology Co., Ltd.
72: LIU, Bin, YE, Junchao, CHENG, Shugang, LIU, Jun
33: CN 31: 202310583796.7 32: 2023-05-23
54: LOGISTICS TRANSPORTATION COLLISION AVOIDANCE METHOD FOR X-RAY INSPECTION
00: -
The present invention relates to the technical field of logistics inspection and specifically discloses a logistics transportation collision avoidance method for X-ray inspection, including the following steps: manually moving an inspection trolley 2 to a loading and unloading position thereof, and setting a current servo position of the trolley 2 to 0, namely, a position A of the inspection trolley 2; manually moving an inspection trolley 1 to an inspection station position thereof, and setting a current servo position of the trolley 1 to 0, namely, a position A of the inspection trolley 1; manually moving the inspection trolley 1 to a loading and unloading position, and recording same as P1; moving the inspection trolley 2 to an inspection station position, and recording same as P2; a current position of the inspection trolley 1 being P3, and a current position of the inspection trolley 2 being P4.

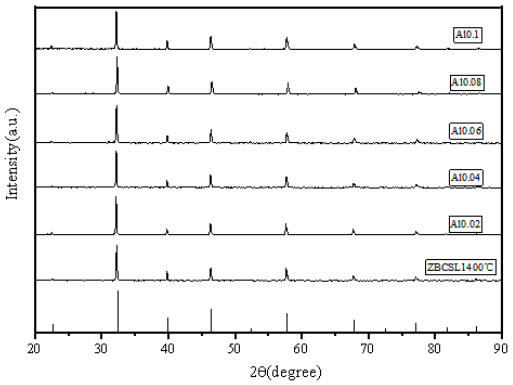


21: 2024/03126. 22: 2024/04/23. 43: 2024/10/30
51: G09B
71: Dr. R. Sreemathy, Dr. Mousami Turuk
72: Dr. R. Sreemathy, Dr. Mousami Turuk, Mr. Mandar Remane, Mr. Pranav Indalkar
54: SYSTEM AND METHOD FOR TRANSLATING ENGLISH TEXT INTO INDIAN SIGN LANGUAGE (ISL) GESTURES
00: -
Disclosed is a system for translating English text into Indian Sign Language (ISL) gestures. The system comprises an input device to receive English text from a user, a processing engine connected to the input device structured to receive the text, convert the text to ISL grammar, translate it into HamNoSys notations, then convert the notations into SiGML files and generate outputs portraying avatars performing sign gestures, and an output device to display these generated outputs. The processing engine could further work with a database consisting of predefined SiGML files for alphabets, numbers and additional vocabulary, detect gloss terms in the text and apply conversion rules to enhance translation accuracy. The output device could depict high-resolution animations of ISL gesture-performing avatars. A method for converting English text into ISL gestures leveraging the mentioned system is also associated.



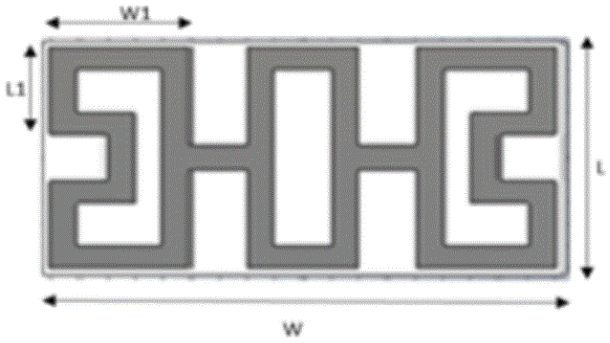
21: 2024/03127. 22: 2024/04/23. 43: 2024/10/30
51: C04B
71: Taiyuan University of Technology
72: Yang MIAO, Qingfeng ZHANG, Chao MA, Bo LI, Ruixin HAO, Feng GAO

33: CN 31: 2023111686517 32: 2023-09-12
54: A HIGH-DIELECTRIC ALUMINUM-DOPED PEROVSKITE STRUCTURE HIGH-ENTROPY MICROWAVE DIELECTRIC CERAMIC AND ITS PREPARATION METHOD
00: -
The present invention discloses a high-dielectric aluminum-doped perovskite structure high-entropy microwave dielectric ceramic and a preparation method, belonging to the technical field of ceramic materials in the field of communication. The chemical formula of high-entropy microwave dielectric ceramics is (Zn1/6Ba1/6Ca1/6Sr1/6La1/3) Ti1-xAlxO3, wherein x = 0-0.1. Based on the unique effect of high entropy, the concept of high entropy is introduced into perovskite structure microwave dielectric ceramics for the first time to try to regulate the dielectric properties, the aluminum-doped perovskite structure high-entropy microwave dielectric ceramic is successfully synthesized by controlling the sintering temperature, reaction time and doping content. The dielectric constant is 74-91, the dielectric loss is 0.001-0.002, the temperature coefficient of resonant frequency is 175-217 ppm/degrees Celsiu, and the excellent microwave dielectric properties are obtained. The high dielectric microwave dielectric ceramics obtained by present invention are expected to be applied to mobile terminals and communication base stations.

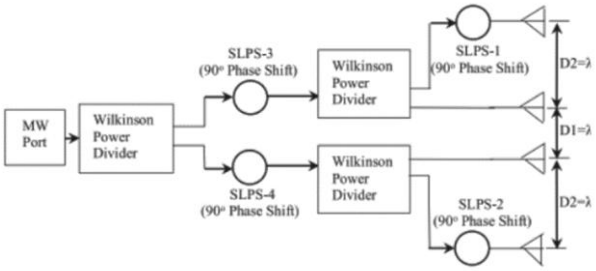


21: 2024/03128. 22: 2024/04/23. 43: 2024/10/30
51: H01Q
71: Dr. Mrs. Manasi S. Kanitkar, Dr. Mrs. Vidya P. Kodgirwar, Dr. Mrs. Kalyani R. Joshi, Dr. Shankar B. Deosarkar
72: Dr. Mrs. Manasi S. Kanitkar, Dr. Mrs. Vidya P. Kodgirwar, Dr. Mrs. Kalyani R. Joshi, Dr. Shankar B. Deosarkar

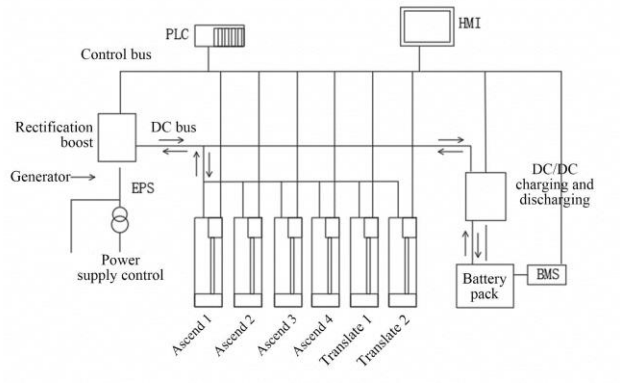
54: FREQUENCY RECONFIGURABLE ANTENNA
00: -
Disclosed is an innovative fractal shape of Electromagnetic Band Gap (EBG) structure that has a dual bandgap and a frequency reconfigurable antenna that is integrated with the EBG structure to improve performance parameters. The EBG has dual bandgap S-band (2 GHz to 4 GHz) and X-band (8 GHz to 10 GHz) and the proposed reconfigurable antenna can operate at frequencies one in S-band and another in X-band. PIN diode can be used to change the structure of the proposed antenna so that it can operate at the two different frequencies (2.67 GHz and 8.8 GHz). When PIN diode is ON, the proposed antenna can operate at 2.67 GHz, and at 8.7 GHz when PIN diode is OFF. Since antenna is integrated with the proposed EBG structure, gain and bandwidth of the antenna is increased with EBG structure as compared to without EBG structure at both frequencies. Simulated and measured results are compared.



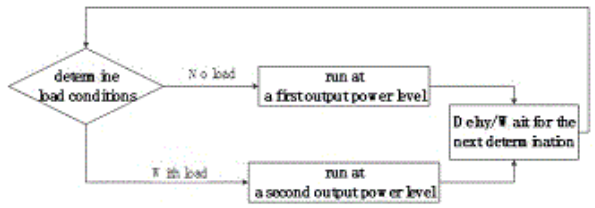
21: 2024/03129. 22: 2024/04/23. 43: 2024/10/30
51: G02B
71: Dr. Mrs. Vidya P. Kodgirwar, Dr. Mrs. Manasi S. Kanitkar, Dr. Mrs. Kalyani R. Joshi, Dr. Shankar B. Deosarkar
72: Dr. Mrs. Vidya P. Kodgirwar, Dr. Mrs. Manasi S. Kanitkar, Dr. Mrs. Kalyani R. Joshi, Dr. Shankar B. Deosarkar
54: BEAM STEERING-SWITCHING ARRAY
00: -
A planar four element beam steering-switching array (array) with a feed network for 5G S-Band applications is disclosed. The feed network includes any of: 90° Hybrid Directional Coupler (HDC), Wilkinson Power Dividers (WPDs) and delay line wherein grating lobes due to element spacing are used to reduce the sidelobe level and to increase the overall gain of the array; or Loaded Line Phase Shifters (LLPSs) or Switched Line Phase Shifters (SLPSs) and WPDs to generate multiple beams in different directions. The array includes at least one E-Shape single element slot antenna (antenna element). The antenna element, Wilkinson Power Divider, Hybrid Directional Coupler, Loaded Line Phase Shifter, and Switched Line Phase Shifter are designed around 3.6 GHz. The antenna element can be utilized with line feed and quarter-wave transformer for impedance matching. Prototype is made results elaborated.



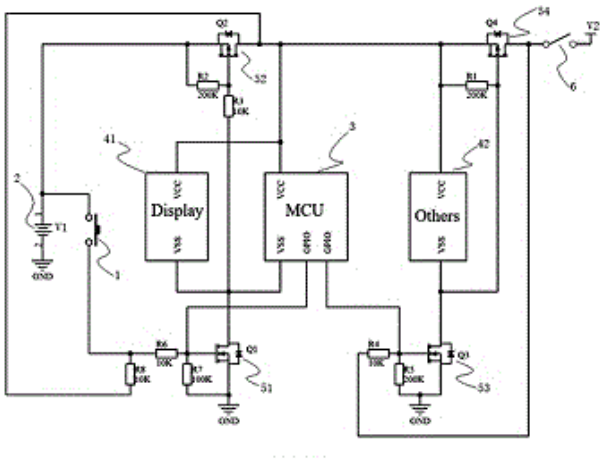
21: 2024/03141. 22: 2024/04/23. 43: 2024/12/06
51: E01C
71: China Railway 24th Bureau Group Bridge and Construction Co., Ltd., China Railway 24th Bureau Group Corporation Limited
72: Fengfeng Han, Jintao Liang, Shutai Zhu, Wenjun Sun, Weiping Yang, Xiaohu Duan, Peng Tan, Wenling Hu
33: CN 31: 2023118161064 32: 2023-12-27
54: HYBRID POWER SYSTEM FOR BRIDGE ERECTING MACHINE
00: -
The present disclosure discloses a hybrid power system for a bridge erecting machine, including a Direct Current (DC) bus, the DC bus consisting of a plurality of metal wires through connecting pieces and being configured to transmit and distribute DC electric energy; a storage battery, the storage battery being an energy storage component of equipment, and the storage battery having an energy storage battery pack with high discharge power and being capable of controlling energy transfer between a variable frequency power component and the storage battery through a DC/DC dedicated controller; and a rectification boost controller, the rectification boost controller being configured to boost a voltage of the DC bus and limit output power of an engine.



21: 2024/03183. 22: 2024/04/24. 43: 2024/10/31
51: A61B; H05K; H03B; H02M
71: ENSURGE MEDICAL (SUZHOU) CO., LTD.
72: ZHANG, JUN, WU, ZHIXIN
33: CN 31: 202111209462.0 32: 2021-10-18
54: ULTRASONIC SCALPEL, ENERGY INSTRUMENT FOR SURGERY, AND POWER ADJUSTMENT METHOD THEREFOR
00: -
An ultrasonic scalpel, an energy instrument for surgery, and a power adjustment method therefor. The ultrasonic scalpel comprises a handheld component, a control module, an ultrasonic generator, and an ultrasonic cutter head, and further comprises the following modules: a load detection module, which is configured to detect the load conditions of the ultrasonic cutter head, the load detection module being electrically connected to an input end of the control module; a power conversion module, an input side thereof being electrically connected to an output end of the control module, and an output side thereof being electrically connected to the ultrasonic generator; the control module is configured to receive a detection signal from the load detection module, and when an activation button is pressed, the control module controls the power conversion module to adjust the output power of the ultrasonic generator.

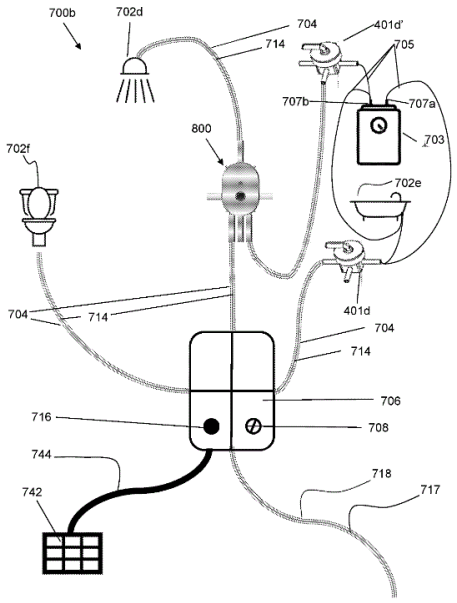


21: 2024/03184. 22: 2024/04/24. 43: 2024/10/31
51: A61B
71: ENSURGE MEDICAL (SUZHOU) CO., LTD.
72: ZHANG, JUN, WU, ZHIXIN
33: CN 31: 202111264221.6 32: 2021-10-28
54: SURGICAL ELECTRIC INSTRUMENT AND ULTRASONIC SCALPEL
00: -
An energy instrument for surgery and an ultrasonic scalpel are provided. The instrument comprises a built-in battery, a control unit, a first power-consumption circuit and a second power-consumption circuit, wherein the first power-consumption circuit is electrically connected to the control unit, and power consumption of the second power-consumption circuit in a working state is greater than power consumption of the first power-consumption circuit in a working state; when the instrument is not connected to an external power supply, the control unit and the first power-consumption circuit can be triggered to respectively connect a loop with the built-in battery; and the second power-consumption circuit stays in stop working state when the instrument is not connected to the external power supply. When the instrument is not connected to the external power supply, a small-power-consumption circuit can be triggered to run temporarily, and a large-power-consumption circuit is not connected to the built-in battery.

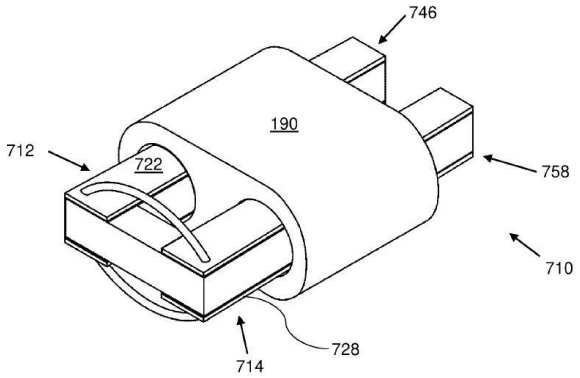


21: 2024/03207. 22: 2024/04/25. 43: 2024/10/31
51: B05B; E03C
71: PEREZ, Moshe, PEREZ, Tal Israel, MIZRAHI, Hagai
72: PEREZ, Moshe
33: US 31: 63/283,228 32: 2021-11-25
54: PLUMBING FITTINGS BOX AND LEAK DETECTION SYSTEM

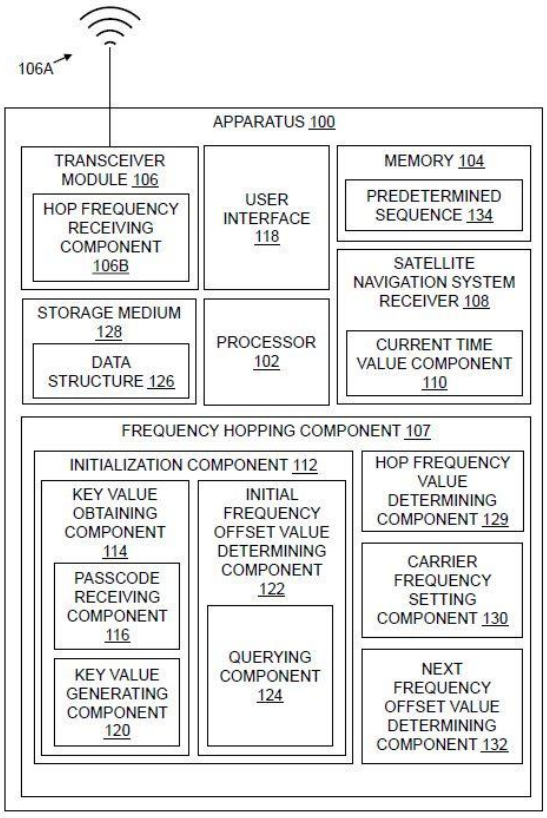
00: -
A plumbing junction including a casing with ports, a junction inside the casing, leading tubes connected to the ports and water conducting tubes having a proximal end thereof connected to the junction and passing through the leading tubes and ports out the casing with distal end thereof connected to an end unit outside the connection box is disclosed and described. Embodiments of the invention include installation and maintenance of the water connecting tube, as well as a water leak detection.



21: 2024/03209. 22: 2024/04/25. 43: 2024/10/31
51: H01F; H01P; H03F; H03H
71: SAT-COM (PTY) LTD
72: BROWN, David Kenneth
33: GB 31: 2114922.4 32: 2021-10-19
54: IMPEDANCE ADAPTOR
00: -
An impedance adaptor is provided, including first and second transmission lines, each of which is provided by an arm and includes a first conductor and a second conductor. The transmission lines are arranged such that the first conductor of the first transmission line is adjacent and co-planar with the first conductor of the second transmission line, and the second conductor of the first transmission line is adjacent and co-planar with the second conductor of the second transmission line. A first end of the first conductor of the first transmission line is electrically coupled to a first end of the first conductor of the second transmission line. A first end of the second conductor of the first transmission line is electrically coupled to a first end of the second conductor of the second transmission line.



21: 2024/03210. 22: 2024/04/25. 43: 2024/10/31
51: H04B; H04K
71: SAT-COM (PTY) LTD
72: VENTER, Maarten, BROWN, David Kenneth
33: GB 31: 2114303.7 32: 2021-10-06
54: FREQUENCY HOPPING
00: -
A frequency hopping method and associated apparatus and system using the frequency hopping method are described. The frequency hopping method includes obtaining a key value based on or including a current time value obtained from a current time value source. The key value is used to determine a hop frequency value by querying a data structure stored on a storage medium for a value associated with the key value. The data structure includes a plurality of values, each of which having been generated from a truly random process such that there is no mathematical relationship between the values. A carrier frequency of a transceiver module is set to the hop frequency value for transmitting and receiving radio signals using the carrier frequency.



21: 2024/03224. 22: 2024/04/25. 43: 2024/10/31
51: C25D; C25B; H01M
71: ENERFLOW TECHNOLOGY CO., LTD.
72: WANG, JIN, ZU, GE, ZHENG, XIAOHAO
33: CN 31: 202111125169.6 32: 2021-09-26

54: METHOD FOR PURIFYING IRON-CHROMIUM ELECTROLYTE, AND IRON-CHROMIUM ELECTROLYTE THEREBY OBTAINED

00: -

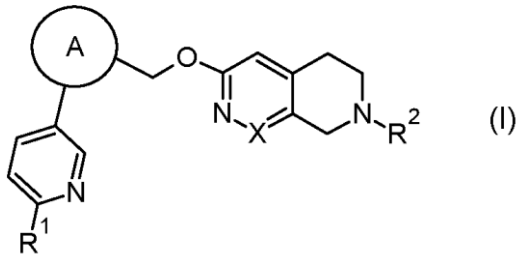
The present invention relates to a method for purifying an iron-chromium electrolyte, and the iron-chromium electrolyte thereby obtained. The method for purifying the iron-chromium electrolyte can simply and effectively remove harmful metal ions, avoids hydrogen evolution side-reactions, significantly reduces the production cost of the electrolyte and has high practical application value.

21: 2024/03230. 22: 2024/04/25. 43: 2024/10/31
51: A61K; C07D; A61P
71: RICHTER GEDEON NYRT.
72: SZABÓ, György, POTOR, Attila, ERDÉLYI, Péter, BATA, Imre, TÚRÓS, György István, KAPUS, Gábor László, ÉLIÁS, Olivér
33: HU 31: P2100338 32: 2021-09-29

54: BICYCLIC AMINE DERIVATIVES AS GABAA ?5 RECEPTOR MODULATORS

00: -

The present invention provides compounds of formula (I) and/or salts thereof and/or stereoisomers thereof and/or enantiomers thereof and/or racemates thereof and/or diastereomers thereof and/or biologically active metabolites thereof and/or prodrugs thereof and/or solvates thereof and/or hydrates thereof and/or polymorphs thereof having affinity and selectivity for the gamma-aminobutyric acid A receptor subunit alpha 5 and act as GABAA a5 positive allosteric modulators, thereby useful in the treatment or prevention of diseases related to the GABAA a5 receptor, process for the preparation and intermediates of the preparation process thereof, pharmaceutical compositions comprising them alone or in combination with one or more other active ingredients and their use as medicaments.



(I)

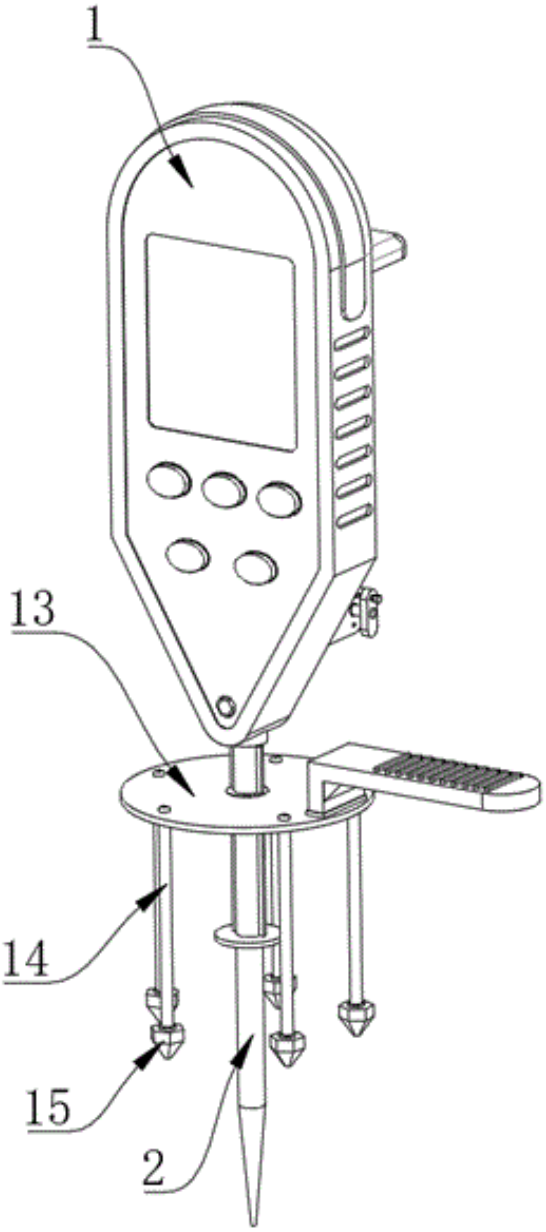
21: 2024/03238. 22: 2024/04/26. 43: 2024/11/07
51: G01N
71: ZHEJIANG STATION FOR MANAGEMENT OF ARABLE LAND QUALITY AND FERTILIZER
72: YU, Yijun, ZHANG, Junhua, TANG, Tao, QIN, Hua, XU, Jianming, KONG, Yali, YANG, Dong

54: SOIL HEALTH INDEX DETECTION DEVICE

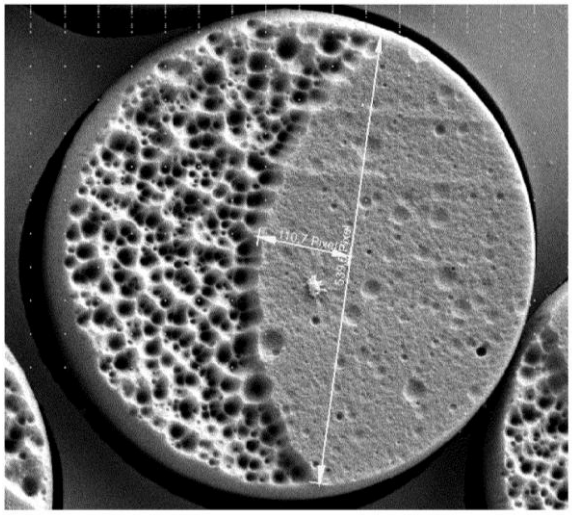
00: -

The present invention relates to the technical field of soil detection and provides a soil health index detection device, comprising a detector, wherein on a bottom end portion of the detector is fixedly installed a probe, on a back surface of the detector is fixedly installed a back block, an inner side of the back block is rotationally connected a rotating rod, on a surface of the rotating rod is fixedly installed a connecting plate, on a top surface of the connecting plate is fixedly installed a compacting plate. The present invention compacts soil first to ensure closer contact between the probe and the soil, which helps to reduce air gaps and enables the probe to more

accurately detect soil parameters; the close contact surface enhances the responsiveness of the probe, thereby improving the accuracy of the detection results; and the present invention achieves soil compaction by simply rotating the compacting plate 180 degrees, which is faster and more consistent than manual compaction, saves preparation time, makes the entire soil detection process more efficient, and realized improved versatility.

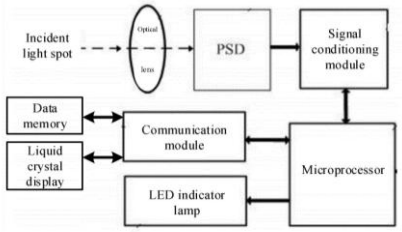


21: 2024/03292. 22: 2024/04/26. 43: 2024/11/11
51: D01D; D01F; D04H
71: FIBERTEX PERSONAL CARE A/S, REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: WANG, Jingbo, FIEBIG, Joachim Edmund, VAN PARIDON, Henk, TOBIESON, Gustaf, SOMMER, Sebastian, BOHL, Patrick, GEUS, Hans-Georg, HANSEN, Morten Rise, AGERSNAP SCHERER, Mathias, BROCH, Thomas
33: EP 31: 22150331.1 32: 2022-01-05
54: NONWOVEN MATERIAL COMPRISING CRIMPED MULTICOMPONENT FIBERS
00: -
The invention relates to nonwoven fabric sheets containing crimped multicomponent fibers.



21: 2024/03300. 22: 2024/04/29. 43: 2024/11/22
51: G01B
71: Xinyu University
72: FU, Siyong, ZHAO, Qinghua, TAO, Qiuxiang, LIU, Hesheng, LIU, Danjuan, WANG, Qing, FU, Kai
54: LIGHT SPOT POSITION MEASURING INSTRUMENT
00: -
The present disclosure provides a light spot position measuring instrument, including a microprocessor, a position sensitive detector (PSD), an optical lens, a signal conditioning module, a communication module, a liquid crystal display, an LED indicator lamp, and a data memory. The communication module is a USB interface or a 485 interface. An output end of the PSD is connected to an input end of the signal conditioning module, and an output end of the signal conditioning module is connected to an input end of the microprocessor. The microprocessor is connected to the liquid crystal display and the data

memory via the USB interface or the 485 interface, and the microprocessor is further connected to the LED indicator lamp. The light spot position measuring instrument of the present disclosure uses the PSD as a sensor and the liquid crystal display as a position display.

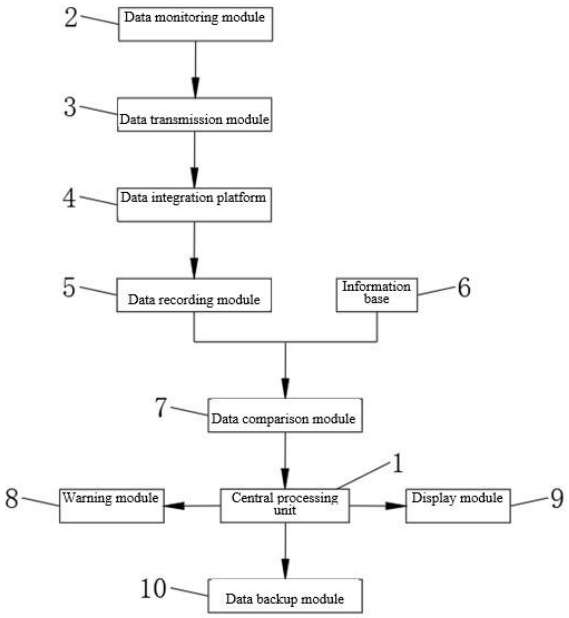


21: 2024/03301. 22: 2024/04/29. 43: 2024/11/22
51: A01K
71: Shanghai Academy of Agricultural Sciences, Shanghai Ying Tun Agricultural Technology Company, Limited
72: Wenzong ZHOU, Hang YANG, Weiwei LV, Quan YUAN, Weiwei HUANG, Shiyang NIE
54: METHOD OF USING NET CAGES TO BREED MONOPTERUS ALBUS IN AQUACULTURE POND
00: -

The present invention discloses a method for breeding Monopterus albus in a breeding pool using a net cage, comprising the following steps: setting up a single breeding pool with an area of 20-100 m2 in a pond or greenhouse. Set up breeding areas and reproduction areas in the breeding pool, hang breeding cages in the reproduction areas, and release M. albus parents inside the reproduction areas. Throw water peanuts and M. albus seedlings into the aquaculture area. The present invention utilizes the isolation effect of a net cage to avoid the "fear of no offspring" reflex in M. albus, and has the characteristics of increasing the stocking density of rice filed M. albus per unit area of water, fully utilizing space and time, and having high comprehensive benefits.

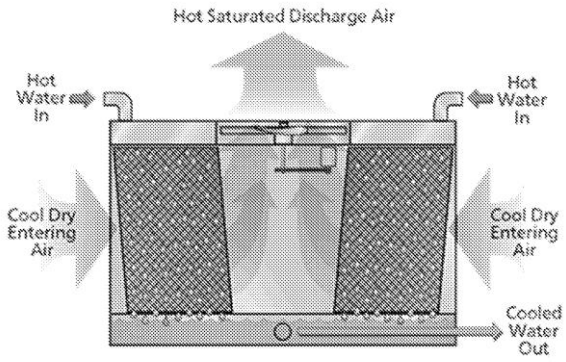
21: 2024/03306. 22: 2024/04/29. 43: 2024/11/11
51: G06F; G16H
71: XINYU UNIVERSITY
72: YOU, Xiaowei, ZHANG, Xiaodong, ZHAN, Xingxin, HUANG, Yan, ZHANG, Haitao, LI, Qi
54: HEALTH MANAGEMENT SYSTEM BASED ON WARD PATIENTS
00: -

The present invention discloses a health management system based on ward patients, which relates to the technical field of medical information management. The health management system comprises a central processing unit; an input end of the central processing unit is connected with a data comparison module; an input end of the data comparison module is connected with a data recording module and an information base respectively; and the data recording module is used for recording physiological data, medical record information and living habit information of patients. Through the data monitoring module, the data transmission module, the data integration platform and the data recording module, the present invention can accurately and efficiently collect the physiological data, medical records, living habits and other information of the patients, and integrate the data into a unified system, so as to provide scientific, accurate and comprehensive patient health management solutions for doctors and nurses.

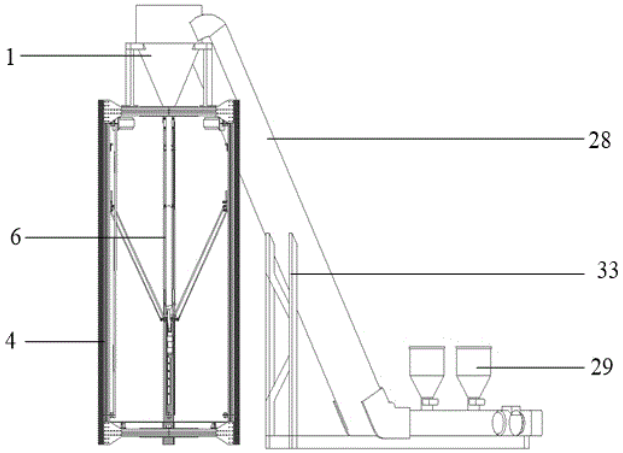


21: 2024/03314. 22: 2024/04/29. 43: 2024/11/11
51: F25B; F28F
71: EVAPCO, INC.
72: NEVINS, Scott, HAMILTON, Jennifer, HERWIG, Jeffrey, MUMMERT, Eliza
33: US 31: 63/251,271 32: 2021-10-01
33: US 31: 63/251,284 32: 2021-10-01
33: US 31: 17/958,812 32: 2022-10-03
54: DIRECT HEAT EXCHANGE FILL

00: -
A fill sheet and a fill pack manufactured from a plurality of fill sheets for cooling a cooling medium in a cooling tower, each fill sheet optionally having microstructures, the fill sheet's having pairs of elliptically-shaped projections and depressions that act as spacers when the sheets are stacked on one-another to form a fill pack; and/or a fill sheet defining a continuous wave parallel to the longitudinal axes of the flutes.

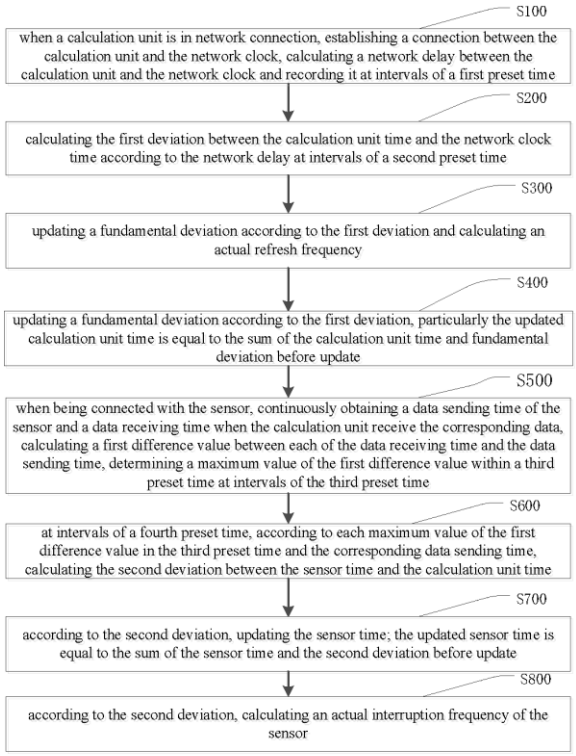


21: 2024/03318. 22: 2024/04/29. 43: 2024/11/22
51: B29C
71: Sichuan University of Science and Engineering, Sichuan Zhixiangyi Technology Co., Ltd, Sichuan Bozhiduo Technology Co., Ltd, Zigong Zhishengxin Technology Co., Ltd, Chi-Hui Tsou
72: Tao YANG, Feifan GE, Chi-Hui Tsou, ChihYuan TSOU, Xuefei HU
33: CN 31: 202110857399.5 32: 2021-07-28
54: LARGE-SCALE ENVIRONMENT-FRIENDLY 3D PRINTER WITH AUTOMATIC FEEDING SYSTEM
00: -
The invention discloses a large-scale environment-friendly 3D printing device with automatic feeding, which comprises a stepping motor, wherein the top of the stepping motor is connected to a frame, and the output end of the stepping motor is connected with a belt; the lower end of the belt is connected with a fixing seat for fixing it, and the fixing seat is rotatably connected to the outer side of the frame; the outer side of the coupling is provided with a copper stud for supporting; the top end of the frame is connected with an automatic heating hopper which is convenient for blanking, and the inner side of the frame is connected with a stop block which is convenient for fixing the belt. The large-scale 3D printer not only expands the printing range and makes the printing size larger, but also has high printing speed, which is convenient to adjust the printing speed, and the printing materials are environment-friendly; by matching with an automatic feeding device system, it can realize a two-color, three-color or gradually changing color product process. This large-scale 3D printing and automatic feeding device system is suitable for water-absorbent and environment-friendly composite materials such as distiller's grains, straws, bean dregs, coffee grounds, rice hulls, thermoplastic starch, bio-based materials and polyvinyl alcohol.



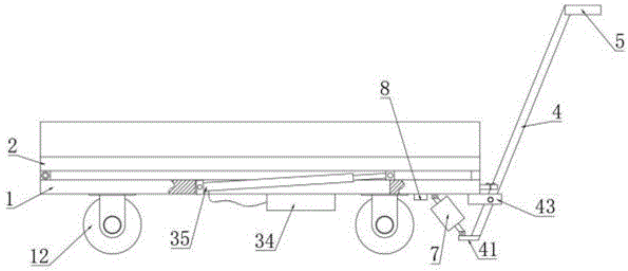
21: 2024/03336. 22: 2024/04/29. 43: 2024/11/29
51: G06F
71: KINGFAR INTERNATIONAL INC.
72: ZHAO, Qichao, YANG, Ran
33: CN 31: 202111343650.2 32: 2021-11-13
54: CLOCK CRYSTAL OSCILLATOR SYNCHRONIZATION METHOD, APPARATUS AND SYSTEM
00: -
The present application relates to a clock quartz oscillator synchronization method, system and apparatus, in which the method includes, when a calculation unit is in network connection, calculating a first deviation between a calculation unit time and a network clock time; updating a fundamental deviation according to the first deviation; updating the calculation unit time and calculating an actual refresh frequency of the calculation unit according to the fundamental deviation; calculating a second deviation between the calculation unit time and a sensor time; and according to the second deviation, updating the sensor time and calculating an actual

interruption frequency of the sensor. The present application provides a synchronization method for calculation, estimation, correction, compensation of time deviation caused by the clock quartz oscillator, which has a benefit of time deviation reduction when one or more sensors are in data exchange with one or more calculation units.



21: 2024/03344. 22: 2024/04/30. 43: 2024/11/11
51: B62B
71: Zhejiang Aoli New Material Technology Co., Ltd.
72: XU, Hongwei, LI, Wen'ao, DONG, Rongming, ZHANG, Laiming, WANG, Yongfa, LU, Sulong, CHEN, Dali
33: CN 31: 202311245917.3 32: 2023-09-26
54: TRANSPORT TROLLEY FOR PLATE PROCESSING
00: -

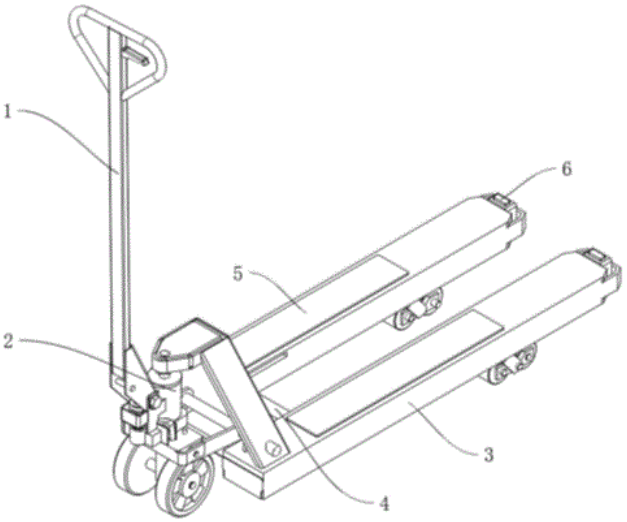
The present application discloses a transport trolley for plate processing and relates to the technical field of plate processing and transportation, including a chassis, a supporting plate, a push rod and a hydraulic adjustment component. The supporting plate is rotatably provided on an end of the chassis through a rotation pin a fixing assembly is provided on the supporting plate. The fixed component is used for supporting and fix the plate. The steering component is provided at the bottom of the chassis. The steering component is connected to the push rod. A hydraulic adjustment component is installed between the bottom plate and the bottom of the chassis. An intermediate component is provided at the bottom of the chassis. The intermediate component The input end is connected to the hydraulic adjustment component, and the output end of the intermediate component is connected to the fixed component and the fourth hydraulic telescopic rod. By manually turning the handle, the steering component is driven to adjust the steering of the two front wheels in the same direction, which can improve the flexibility of the car, by manually pressing the button to perform forward push and pull back operations, it is ergonomic and can assist in blanking and clamping and limiting the plate during movement.



21: 2024/03345. 22: 2024/04/30. 43: 2024/11/11
51: F21V
71: Zhejiang Aoli New Material Technology Co., Ltd.
72: LI, Wen'ao, DONG, Rongming, XU, Hongwei, WU, Jianyong, LU, Sulong, WANG, Chunxi, ZHANG, Yajin, TANG, Shouli, YANG, Jiali, XU, Jiagui, ZHOU, Wenbin
33: CN 31: 202310995753.X 32: 2023-08-09
54: HIGH-STABILITY HYDRAULIC TRUCK
00: -

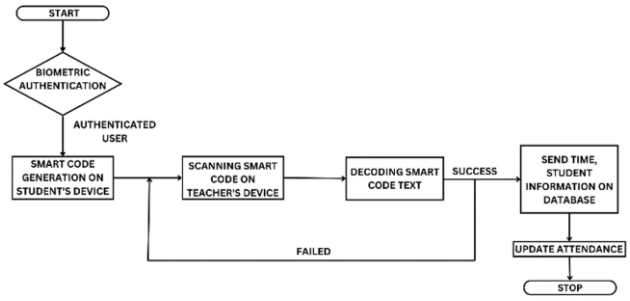
The present invention relates to the technical field of trucks and discloses a high-stability hydraulic truck, comprising a handle, an oil cylinder and two forks; a primary drive assembly is arranged between the two forks; secondary drive assemblies are arranged on top portions of the forks; and block assemblies are arranged at rear portions of the forks; transmission parts are provide on middle part of inner cavities of the forks, and the primary drive assembly and the secondary drive assemblies are in power transmission with the block assemblies through the transmission parts; the block assemblies comprises block parts and driving sources; storage grooves are

formed at rear ends of bottom portions of the forks; and binding parts are provided on inner cavities of the block parts; the primary drive assembly comprises a movable plate; and the secondary drive assemblies comprise pads. In the present invention, the movable plate and the pads are respectively in power transmission with transmission parts, and the transmission parts in power transmission with the block parts, which solves the problems that the goods on the pallet are easy to fall when the hydraulic truck carries the pallet, and the pallet is easy to separate from the forks, and at the same time, the goods on the forks are easy to fall when the goods bumps when loading.



21: 2024/03355. 22: 2024/04/30. 43: 2024/11/13
51: C07K
71: SMIVET B.V.
72: DE SMIT, Abraham Johannes, HARMSEN, Michaël Marie
33: EP 31: 18161521.2 32: 2018-03-13
54: SINGLE DOMAIN ANTIBODIES BINDING TO TETANUS NEUROTOXIN
00: -
The present invention relates to single domain antibodies (SDAs) that are capable of binding to tetanus neurotoxin. The invention further relates to polypeptide constructs comprising such an SDA as well as an SDA that is capable of binding to a serum protein, preferably to serum albumin or immunoglobulin. The invention also relates to nucleic acids encoding such SDAs or polypeptide constructs, to pharmaceutical compositions comprising such SDAs or polypeptide constructs, the medical use thereof and to their use in the treatment of tetanus.

21: 2024/03358. 22: 2024/04/30. 43: 2024/11/22
51: G07C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: POTNIS, Hrishikesh S., VAIDYA, Madhur P.
54: AN ATTENDANCE SYSTEM
00: -
The attendance-taking process in educational institutes is a difficult process. It is time consuming, and, at the same time, prone to proxies and a variety of errors. This paper proposes a system for taking attendance, which is based on the technology of Smart Codes such as QR Codes. This system proposes two methods of taking attendance – to be used depending on the situation. The students would mark their attendance by using their smartphone devices through a specific app. This paper focuses on how this system speeds up the process of attendance-taking, simultaneously being able to be used at large-scale for instance auditoriums and large functions, while preventing proxies.



21: 2024/03365. 22: 2024/04/30. 43: 2024/11/11
51: B01J; C08J; C10L
71: ADURO CLEAN TECHNOLOGIES
72: TRYGSTAD, W., Marcus;, JHAWAR, Anil, K.
33: US 31: 17/494,360 32: 2021-10-05
54: CHEMOLYTIC UPGRADING OF LOW-VALUE MACROMOLECULE FEEDSTOCKS TO HIGHER-VALUE FUELS AND CHEMICALS
00: -
A method is provided for deconstructing macromolecules (MM) into lower molecular weight (MW) fragments in high yield by promoting first desirable reactions (Reactions1) that result in chemolytic scission of bonds in the backbone, chain, matrix, or network that defines the MM and obtain a first product mixture (Product1). The method

includes conveying the prepared feedstock in a flowpath toward a reactor while adding a first agent of a first type (A1T1) suitable for promoting Reactions1, and a second agent (A2) suitable for promoting Reactions 1 to obtain a first reaction mixture which is heated under controlled pressure.

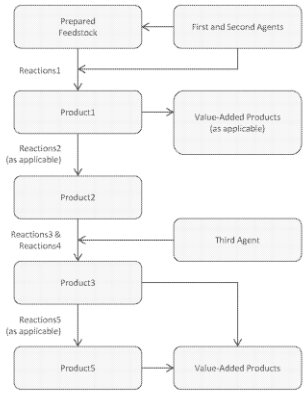


FIGURE 1. Overview.

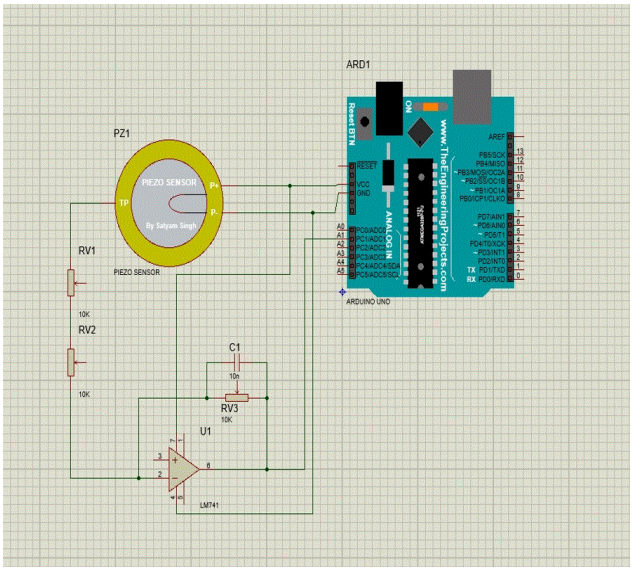
21: 2024/03394. 22: 2024/05/02. 43: 2024/11/21
51: G06N
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOBALE, Shital, SHIDGANESH, Anirudh, SHINDE, Mrunal, SHAIKH, Shafaque, SHEVALE, Prasad, SALVE, Sahil
54: A MACHINE LEARNING BASED GROUP RECOMMENDATION SYSTEM
00: -
A group's success is frequently determined by the cohesion and alignment of its members' behaviors. Thus, our present invention recommends group members to the user based on his/her behavioral patterns. A questionnaire based on psychometric analysis was used to collect the behavioral pattern data of second-year undergraduate engineering students. The recommendation was based the parameters such as leadership (Hierarchical and Systemic), teamwork, gender inclusivity, and social desirability. Only the top ten individuals belonging to the cluster the user was placed in were recommended. K-Means, DBSCAN, Hierarchical, and Model-Based clustering algorithms were used out of which K-Means proved to be the most efficient system based on their respective silhouette scores.

21: 2024/03395. 22: 2024/05/02. 43: 2024/11/20
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: CHINCHMALATPURE, Sheela, JOSHI, Dipali, SAMNERKAR, Archit Atul, SHARMA, Pratham Rajesh, BASARIKATTI, Shreya Sachin, SIKCHI, Arjun, SINGH, Divyanshi
54: A COUPON POOLING SYSTEM
00: -
The present invention relates to a coupon pooling system. The present system emerges as the ultimate destination for smart coupon management and collaborative savings. By harnessing the power of community-driven sharing, the proposed system creates a harmonious ecosystem where surplus coupons find grateful recipients, and users unite to maximize their purchasing potential. With an intuitive interface and robust features, the present system simplifies the coupon exchange process, transforming it into an enjoyable social experience.

21: 2024/03396. 22: 2024/05/02. 43: 2024/11/21
51: A61F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: ASHTAGI, Rashmi Murgendra, CHOPADE, Pratiksha Dattatray, CHIVATE, Atharva Balasaheb, CHITPUR, Shreeshail Jagdeesh, DASHETWAR, Isha Satish
54: A FALL GUARDIAN BAND
00: -
The present invention related to a fall guardian band. It introduces a machine learning-based system integrating physiological signals to accurately detect and predict falls, thereby aiding individuals with orthostatic hypertension or neuropathic diseases. The band features multiple sensors including an accelerometer, MAX30100 sensor module, NEO 7M GPS module, and SIM900A GSM module, enabling comprehensive monitoring and immediate response. Machine learning models consider various parameters such as blood pressure, heart rate variability, and accelerometer readings to classify fall probabilities. Upon detection, the system alerts users through a buzzer and transmits their precise location to caregivers via SMS. Additionally, it provides real-time health monitoring and facilitates data analysis by healthcare professionals. Designed for durability and usability, the Fall Guardian Band aims to prevent falls and mitigate associated injuries

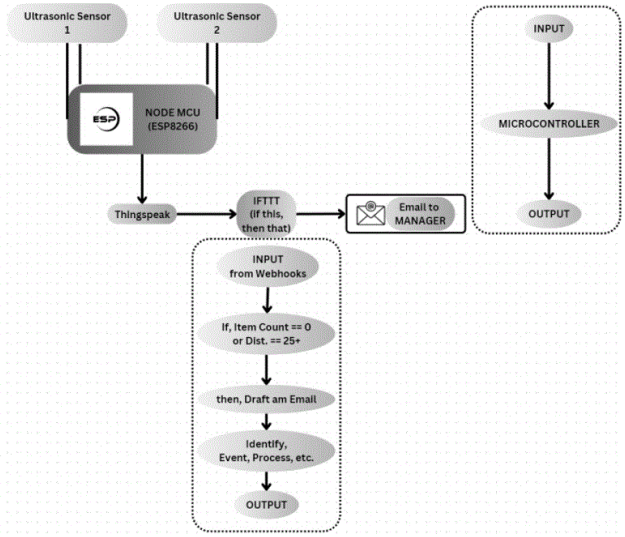
effectively, ultimately enhancing the quality of life for its users.

21: 2024/03397. 22: 2024/05/02. 43: 2024/11/21
51: A63C
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: MHETRE, Manisha, AMOGH, Nagesh Deshpande, AMOGH, Devidas Deshmukh, DESHMUKH, Shravani Hanumant
54: AN IOT BASED SENSING AND AUTOMATION IN KABADDI COURTS
00: -
The present invention relates to an IoT based sensing and automation in kabaddi courts. The proposed system comprises piezoelectric sensors strategically positioned along the court's boundary lines to detect player crossings, infrared (IR) sensors on the middle line to monitor player interference, an Internet of Things (IoT) network enabling real-time data transfer, and a wireless sensor network (WSN) facilitating seamless communication between components. Further, the system includes configurations for piezoelectric and IR sensors to enhance accuracy and referee interfaces for real-time monitoring. The use of these technologies minimizes human error, improves scoring accuracy, and aids referees in making informed decisions. Moreover, the system enhances spectator engagement through visual updates, offers scalability and customizability for diverse league requirements, and promotes efficient time management through automated timers, fostering an organized and equitable gaming environment.

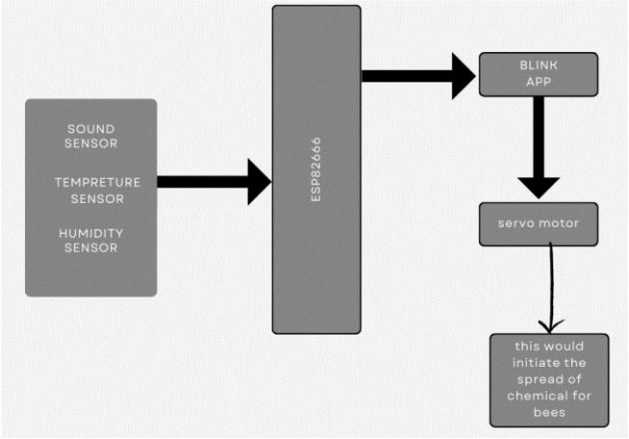


21: 2024/03398. 22: 2024/05/02. 43: 2024/11/21
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: SOBALE, Shital, GURAKHE, Samiksha, BAGMARE, Sandesh, SAWANT, Sahil Ashok, SHAIKH, Tayyab Salim
54: AN INVENTORY MANAGEMENT SYSTEM
00: -
The Inventory Management System project aims to streamline inventory management processes and optimize operational efficiency in businesses. By leveraging IoT capabilities and automation, the system provides real-time monitoring of inventory levels, temperature, and gas conditions. It automates tasks such as quantity calculation, billing, and emailing, reducing errors and enhancing accuracy. The system's features contribute to cost optimization by avoiding overstocking or stockouts, improving cash flow, and reducing carrying costs. Additionally, safety and compliance are enhanced through temperature monitoring, gas level detection, and adherence to safety regulations. The collected data supports decision-making and analysis, enabling businesses to gain insights into demand patterns, optimize inventory replenishment, and improve overall performance. The modular design of the system allows for scalability and adaptability, with potential future enhancements including barcode or RFID integration, predictive analytics, and cloud-based platforms. The Inventory Management System project contributes to efficient inventory management, cost optimization, safety

control, and data-driven decision-making, ultimately improving operational excellence and competitiveness in businesses.

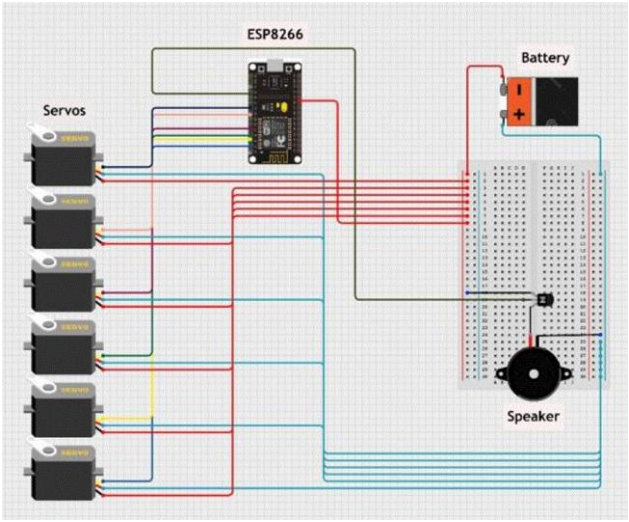


21: 2024/03399. 22: 2024/05/02. 43: 2024/11/21
51: G06K
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: INGALE, Kiran, KHOT, Parth, KOHAD, Nakul, KHOBRAGADE, Sachi, KUMBHAR, Shashank
54: A REAL-TIME HIVE WELLNESS SURVEILLANCE SYSTEM
00: -
The present invention relates to a real-time hive wellness surveillance system. The system uses acoustic/frequency sensors and IoT technology, to NodeMCU microcontroller is used to analyze bee sound frequencies in real time to keep track. Alerts are generated when frequency deviates from pre-determined healthy areas, facilitating timely intervention. The present invention presents the system design, hardware configuration, data collection, and extensive field test results. Comparative analysis with existing monitoring methods confirms the effectiveness of the system. Integrating IoT technology into beekeeping practices offers a promising strategy to protect bee populations and ensure agricultural sustainability.

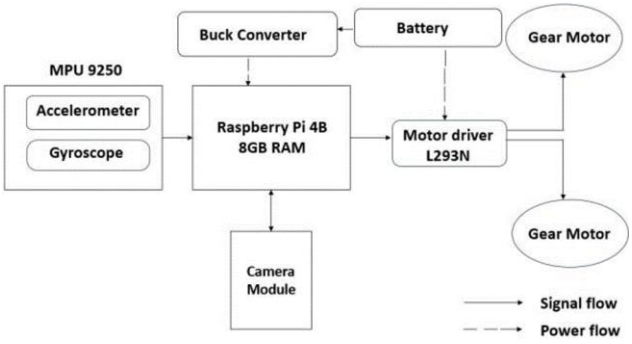


21: 2024/03400. 22: 2024/05/02. 43: 2024/11/21
51: G06F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: PARKHI, Vrinda, RAJAS, Neha, CHAVAN, Aayush, BHAT, Aditi, BACHHAV, Pranav, CHAROLIYA, Zulfikar, BHOYAR, Aditya
54: TOUCH SPEAK BRAILLE LEARNER
00: -
The present invention related to a touch speak braille learner. The present invention is structured as a dual-faceted educational endeavor, thoughtfully conceived to offer Braille learners a comprehensive and transformative learning experience. The present invention is bifurcated into two cardinal modules, each strategically designed to enhance the educational journey of Braille learners. The inaugural module affords users an intuitive web interface, facilitating the selection of letters within the Braille alphabet. Upon the selection, the module will convert the text into voice, while the second module, by design, immerses the user in a tactile pedagogy. This module is emblematic of the present invention's commitment to the principle that effective Braille literacy is not limited to aural comprehension but is fundamentally contingent upon the tactile dimension. It is emblematic of the present invention's profound commitment to the holistic Braille learning principle, a philosophy that transcends conventional reliance solely on auditory comprehension to embrace the intrinsic tactile dimension as an indispensable facet of Braille education. The present invention comprehensively elucidates the intricacies of both hardware and software components, articulating their individual and collective functionality. Beyond its technical sophistication, the "TouchSpeak Braille Learner" the present invention assumes a

paramount role in transcending the traditional boundaries of Braille pedagogy, offering a transformative educational paradigm that affirms the vital nexus between auditory and tactile understanding.



21: 2024/03401. 22: 2024/05/02. 43: 2024/11/21
51: B25J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: DEGAONKAR, Kishori, PATIL, Varad, PAWAR, Shantanu, POKE, Akhilesh, JAMBHULKAR, Rajat
54: AN AUTONOMOUS SELF BALANCING ROBOT
00: -
The present invention relates to an autonomous self balancing robot. The development of numerous incredible devices that improve and simplify daily life is a result of the advancement of technology and AI. The proposed invention discloses a clever automated robot that can balance on two wheels and follow lines using a camera and move autonomously while detecting Aruco markers. The robot has a Gyroscope for PID (Proportional-Integra Derivative) controls, motor drivers, and several other parts as well as a Raspberry Pi as its main computing unit. The goal of our present invention is to develop an intelligent robotic system that can navigate along a predetermined course marked with Aruco markers while maintaining its balance on two wheels. An array of sensors is integrated onto a two-wheeled mobile platform used in the project's design for real-time motion detection and balancing management. The Raspberry Pi serves as the robot's main computing unit, processing sensor data and executing control algorithms to maintain the balance of the robot at all times.



21: 2024/03402. 22: 2024/05/02. 43: 2024/11/21
51: B09B
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JADHAV, Swati V., RAJPUT, Vaishali, AMUNE, Amruta, MOHITE, Sagar G., JOSHI, Shashank D., PISE, Nitin N., MUSALE, Vinayak P.
54: A WASTE PROCESSING MACHINE FOR CONVERTING FOOD WASTE INTO A USABLE
00: -
The present invention introduces an advanced waste processing machine engineered to revolutionize the management of household food waste, particularly targeting leftover food items like chapati or bhakari. The machine integrates grinding, food processing, and chemical processing functionalities to transform residual food into a dry, storable powder with an extended shelf life. Its primary components include a precision grinder dedicated to breaking down leftover food items, followed by a meticulous food processing system that refines the ground waste, and cutting-edge chemical processing mechanisms for optimal drying. Notably, the machine can also contribute to pet food production, aligning with sustainable practices and offering a dual benefit for human and pet dietary needs. This innovation signifies a pivotal advancement in food waste management, mitigating environmental concerns and unlocking new possibilities for resource utilization, thus exemplifying a significant stride towards sustainable living.

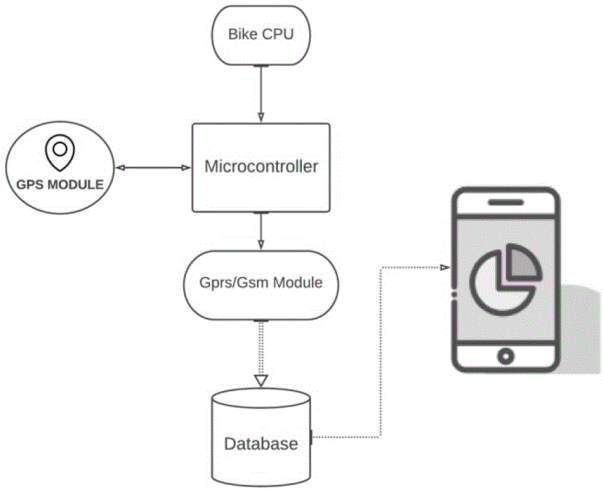
21: 2024/03403. 22: 2024/05/02. 43: 2024/11/21
51: G06Q
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: CHAVAN, Puja, TIDKE, Om, PANDAV, Sahish, PANDE, Madhura, NALAWADE, Shravani

54: A MOTORCYCLE SHARING AND TRACKING SYSTEM

00: -

The present invention relates to a motorcycle sharing and tracking system. It discloses a regionally developed smart bike-sharing system that integrates hardware and software components for intercity travel. Using GPS and GPRS modules, Arduino and relay connection, the system is specifically designed for intercity travel and provides a convenient and reliable solution to ensure security with bike tracking for the owner. A GPS module that delivers position coordinates to the database on a continual basis, as well as GPRS/GSM module for connection with the web server. The proposed solution is affordable and aims to provide a feasible solution to the problem of motorcycle theft.



21: 2024/03404. 22: 2024/05/02. 43: 2024/11/21

51: H04L

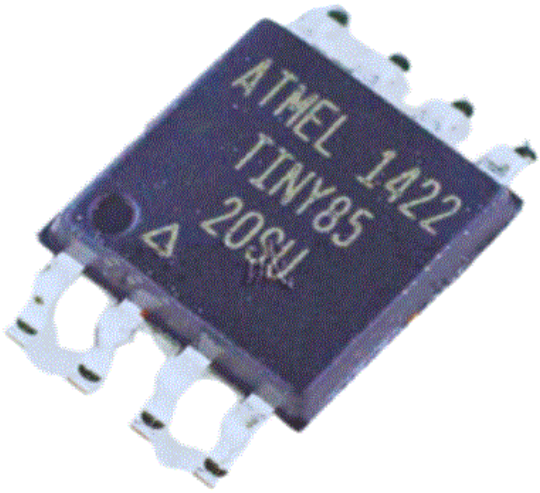
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: CHAVAN, Puja, PATIL, Sujay, PATIL, Ruturaj, MATHE, Vijay, PANDHARE, Abhay

54: AUTOMATIC LOGIN SYSTEM

00: -

The present invention discloses an automatic login system leveraging the ATTINY85 IC, renowned for its compact size, low power consumption, and ample memory capacity, making it ideal for various low-power applications. Comprising the ATTINY85 IC, the system integrates crucial components such as the IN5819 Diode, employed in high-frequency switching circuits, and the USB A-Type Plug Male, enabling seamless connectivity with computers, cameras, and mobile devices for efficient data transfer and charging. The circuit diagram illustrates the arrangement of components, emphasizing the connection of the ATTINY85 IC with the USB plug and resistors. System architecture involves programming the ATTINY85 IC using an Arduino Uno as an ISP, with initial testing conducted through LED blinking, followed by simulation on Tinkercad and implementation on a breadboard, ensuring the system's functionality and feasibility.



21: 2024/03405. 22: 2024/05/02. 43: 2024/11/11

51: G06F

71: SYNTHARA AG

72: GUTTA, Avinash, NAIR, Manu Vijayagopalan

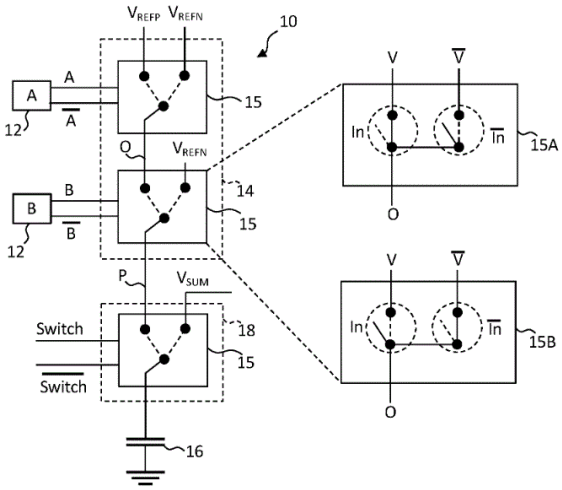
33: EP 31: 21207400.9 32: 2021-11-10

54: HYBRID MATRIX MULTIPLIER

00: -

A hybrid multiply-accumulate circuit includes an array of single-bit multiply-accumulate circuits. Each single-bit multiply accumulate circuit has a first storage element for storing a first single-bit value, a second storage element for storing a second single-bit value, a multiply circuit for multiplying the first single-bit value times the second single-bit value to calculate a product, and an analog storage circuit. The multiply circuit is operable to deposit a charge in the analog storage circuit representative of the product. The analog storage circuits are together operable to combine the charges deposited in each analog storage circuit to provide an accumulated charge representative of a sum of the products. A hybrid matrix multiplier includes an array of hybrid

multiply-accumulate circuits and an adder operable to add the accumulated values to produce a matrix value. The matrix value and the adder can be digital or analog.

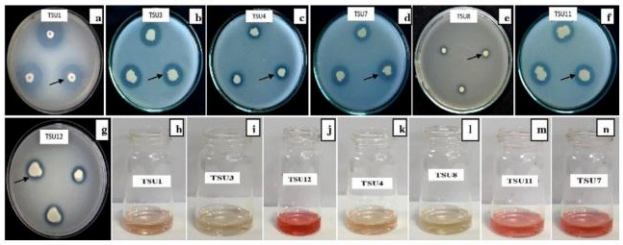


21: 2024/03427. 22: 2024/05/03. 43: 2024/11/22
51: C12N
71: Nagaland University
72: Mum Tatung, Chitta Ranjan Deb
33: IN 31: 202431029655 32: 2024-04-12

54: A NOVEL BACTERIAL CONSORTIUM FOR PLANT GROWTH IN HEAVY METALS AND SALINITY

00: -

Plant growth-promoting rhizobacteria (PGPR) with heavy metal tolerance may help plants adjust to heavy metal-contaminated conditions in soil that has been contaminated with heavy metals. Rhizobacteria resistant to heavy metals are isolated from the Musa rhizosphere growing along the Tsurang Riverbank in Nagaland, India, an area known for its coal mining. Testing for heavy metals, salt tolerance, and growth-promoting characteristics like siderophore production, phosphate solubilization, and IAA is done on a total of 26 bacterial isolates/strains. Seven strains (TSU1, TSU11, TSU12, TSU3, TSU4, TSU7, and TSU8) out of the 26 strains supported superior plant growth. Variable heavy metal tolerance is shown by different isolates (30 to 8070 mg/ml). The strains TSU8 and TSU4 showed the highest percentage (12 percent) of salt tolerance. The isolates are identified as TSU3 (Bacillus cereus) (OQ547230) based on 16S rRNA sequencing.

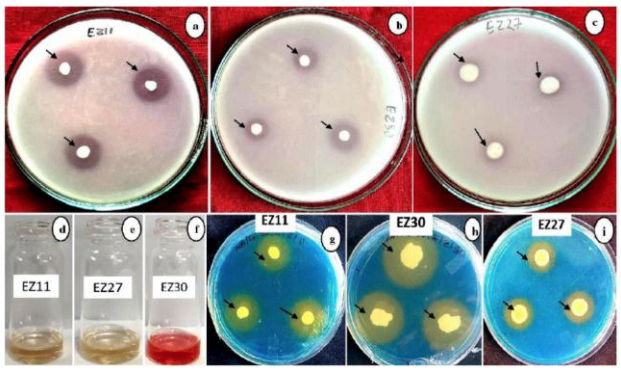


21: 2024/03428. 22: 2024/05/03. 43: 2024/11/22
51: C12C
71: Nagaland University
72: Mum Tatung, Chitta Ranjan Deb
33: IN 31: 202431028204 32: 2024-04-05

54: A NOVEL BACTERIAL COMPOSITION FOR PLANT GROWTH

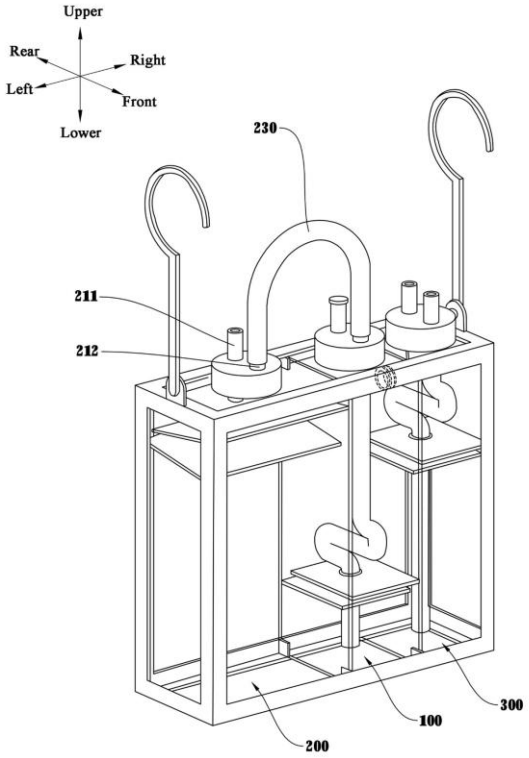
00: -

The present invention is to identify and isolate the rhizobacteria that promote plant growth from the rhizospheric soil of Musa itinerans that are collected from the village of Zaphumi in Nagaland, Northeast India. Plant growth-promoting characteristics, such as phosphate solubilization, IAA production, siderophore production, and ammonia production, are screened for in the purified bacterial isolates. Three of the 25 isolates that exhibited the greatest growth-promoting characteristics are chosen and will be investigated further for their ability to withstand heavy metals and salinity. While only isolate EZ30 is able to produce IAA, all three isolates are able to produce siderophores. The highest phosphate solubilization ability is found in EZ27 (272.89+-2.46), with EZ30 (109.70+-5.47) and EZ11 (89.12+-1.87) following closely behind. Additionally, the isolates showed varying degrees of salinity resistance (2-14%) and cadmium (30-280microg/ml). utilizing the 16S rRNA gene.



21: 2024/03430. 22: 2024/05/03. 43: 2024/10/29
51: A61M

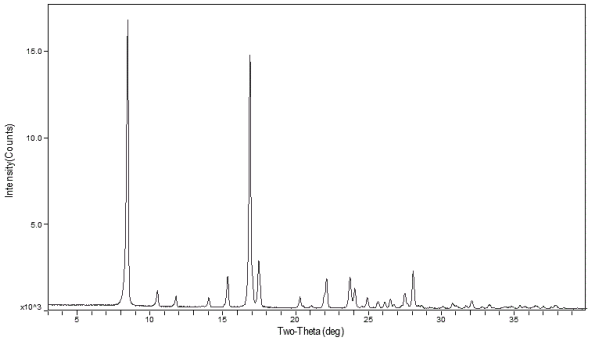
71: SHUNDE HOSPITAL OF SOUTHERN MEDICAL UNIVERSITY (THE FIRST PEOPLE'S HOSPITAL OF SHUNDE)
72: HE, Qiming, ZHAN, Jintao, FAN, Ximei, LIU, Zhiwei, HUANG, Shubei, XIE, Shunhua, CAO, Xingxia
33: CN 31: 2023115277482 32: 2023-11-15
54: CLOSED THORACIC DRAINAGE DEVICE
00: -
A closed thoracic drainage device is disclosed including a first bottle with an upper cavity, a lower cavity and a first sealing member disposed between the upper cavity and the lower cavity. The first sealing member is provided with a first channel. The ends of the first channel are referred to as a first and a second end, respectively. The first second ends are located at a rear and a front side of the first sealing member, respectively. The first second ends are communicated with the upper and lower cavity, respectively. A top of the first bottle is provided with a first opening. In use, water is added into the lower cavity, a bottom end of a drainage tube is communicated with the lower cavity, and then closed thoracic drainage can be carried out. When the device tilts, water in the lower cavity cannot overflow the first or second end.



21: 2024/03450. 22: 2024/05/06. 43: 2024/11/22
51: A01G
71: Experimenttal Centre of Forestry in North China, Chinese Academy of Forestry
72: Du Manyi, Feng Huanying, Li Panting, Pei Shunxiang, Zhang Lianjin, Zhou Zeyu, Wu Di, He Shuxia, Zheng YinCheng, Song Wenjing, Zhang Liantao
54: METHOD FOR IMPROVING QUALITY OF ACER TRUNCATUM SEEDLINGS AND NURSERY STOCKS BY WATER-FERTILIZER COUPLING
00: -
The present invention discloses a method for improving the quality of Acer truncatum seedlings and nursery stocks by water-fertilizer coupling. The method includes the following steps: step (1), in April, sowing and cultivating Acer truncatum seeds after germination to obtain annual Acer truncatum seedlings; and step (2), controlling a moisture content in soil of the annual Acer truncatum seedlings to be in a range of 40-80% of a field water capacity; and in June of a next year, applying all of a phosphorus fertilizer and 1/3 to 1/2 of a total application amount of a nitrogen fertilizer, and then in July of the next year, applying the remaining nitrogen fertilizer. According to the present invention, the technical problems of low utilization efficiency of water, fertilizers and light during cultivation of the Acer truncatum seedlings as well as the difficulty in satisfying ideal quality standards of the seedlings and nursery stocks can be solved.

21: 2024/03465. 22: 2024/05/06. 43: 2024/11/22
51: A61P
71: Shenzhen AntiV Pharma Co., Ltd.
72: ZHANG Xumu, LI Yingjun, ZHOU Qifan, LI Guanguan
33: CN 31: 2021113041349 32: 2021-11-04
33: CN 31: 202210285185X 32: 2022-03-23
54: CRYSTAL FORM OF ISOBUTYRATE NUCLEOSIDE COMPOUND, AND PREPARATION METHOD
00: -
The present invention provides a crystalline form of an isobutyrate nucleoside compound and a preparation method thereof, wherein the crystalline form is II I; the X-ray powder diffraction pattern has characteristic peaks at 2Theta values of 8.47 plus/minus 0.2 degrees, 16.87 plus/minus 0.2 degrees, 17.47 plus/minus 0.2 degrees, 22.13 plus/minus 0.2 degrees and 28.66 plus/minus 0.2

degrees. The crystalline form III has good physical and chemical stability. The preparation method of the crystalline form has advantages of simple operations, high repeatability.

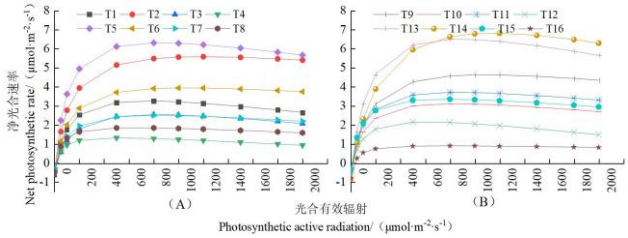


21: 2024/03471. 22: 2024/05/07. 43: 2024/11/22
51: A01G
71: Experimenttal Centre of Forestry in North China, Chinese Academy of Forestry
72: Du Manyi, Feng Huanying, Pei Shunxiang, Li Panting, Wang Yue, Zhang Lianjin, Zhou Zeyu, He Shuxia, Zheng Yincheng, Song Wenjing, Zhang Liantao

54: METHOD FOR IMPROVING NET PHOTOSYNTHETIC RATE OF ACER TRUNCATUM IN SEEDLING PERIOD

00: -

The present invention discloses a method for improving a net photosynthetic rate of Acer truncatum in a seedling period. In the seedling period of the annual Acer truncatum, a moisture content in soil of Acer truncatum seedlings is controlled to 40-80% of a field water capacity, an application amount of a phosphorus fertilizer is 0.9-2.7 g.plant-1, an application amount of a nitrogen fertilizer is 1.2-3.6 g.plant-1, and an application amount of a potassium fertilizer is 0.6-1.8 g•plant-1. According to the present invention, the net photosynthetic rate of the Acer truncatum in the seedling period can be improved, thereby improving accumulation efficiency of organic matter of the Acer truncatum in the seedling period and promoting growth and development of the Acer truncatum seedlings.

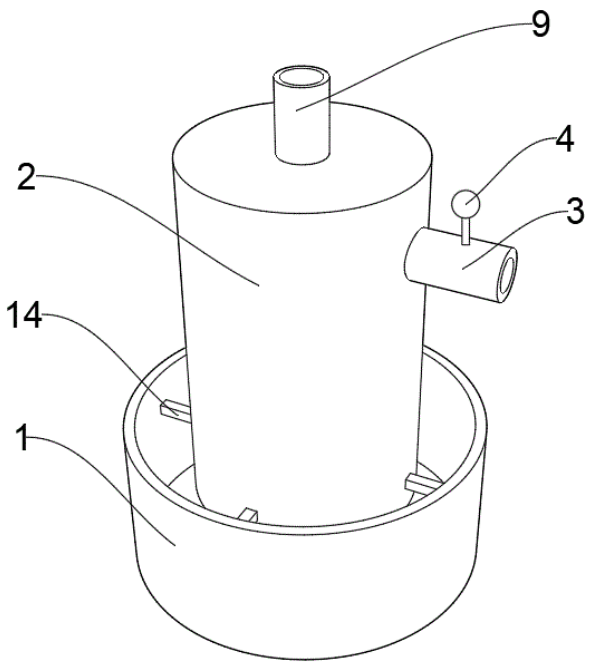


21: 2024/03474. 22: 2024/05/07. 43: 2024/11/28
51: E21B
71: Liaoning Technical University, China Coal Technology and Engineering Group Shenyang Research Institute
72: QIU Haisheng, YANG Yi, ZHANG Kaijia, NI Xing, ZHANG Kaiwen

54: NEGATIVE PRESSURE STABILIZING DEVICE FOR UNDERGROUND GAS PUMPING AND DRAINAGE IN COAL MINES

00: -

The invention belongs to the technical field of gas pumping and drainage accessory devices, in particular to a negative pressure stabilizing device for underground gas pumping and drainage in coal mines, which comprises a water tank, a pressure stabilizing cover coaxially fixed in the water tank, and the inside of the pressure stabilizing cover is communicated with the water tank; the top of the pressure stabilizing cover is communicated with an exhaust pipe, and the middle side of the pressure stabilizing cover is communicated with an air inlet part; the outer side of the air inlet end of the exhaust pipe is provided with an annular filter screen cover, and the annular filter screen cover is coaxially and fixedly connected to the inner side of the top of the pressure stabilizing cover, and is provided with a cleaning part; the bottom of the annular filter screen cover is coaxially and fixedly connected to the bottom plate, which is vertically and slidably connected with a floating plugging component, and the floating plugging component is in transmission connection with the cleaning part. The device drives the floating plugging component to float up and down through the change of water level, and drives the cleaning part to clean the outer surface of the annular filter screen cover, so as to prevent the filter holes of the annular filter screen cover from being blocked.

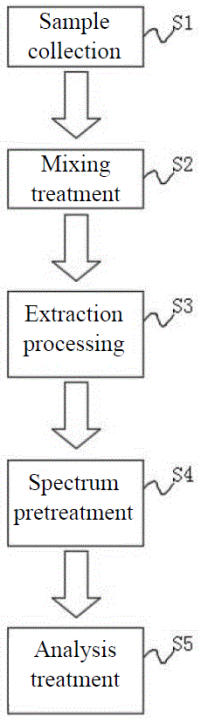


21: 2024/03476. 22: 2024/05/07. 43: 2024/11/28
51: G06F
71: Panjin institute of industrial technology of Dalian university of technology
72: Dai Xinying, Ji Fengyun, Dong Xiaoying, Guo Jianli

54: METHOD FOR DETECTING AND EVALUATING ENGINEERING PLASTICS BASED ON COMPONENT ANALYSIS

00: -

The present invention provides a method for detecting and evaluating engineering plastics based on component analysis, specifically including the following steps: S1, sample collection; S2, mixing treatment; S3, extraction processing; S4, spectrum pretreatment; S5, information extraction; and S6, analysis treatment; and the present invention relates to the technical field of plastics detection. According to the method for detecting and evaluating engineering plastics based on component analysis, a calibration curve diagram of a plastic component content is detected and established by using laser Raman spectroscopy, which makes a detection result more intuitive. Compared with a traditional detection method, an accuracy of the detection result is greatly improved, a detection process is simplified, and a detection efficiency is improved.



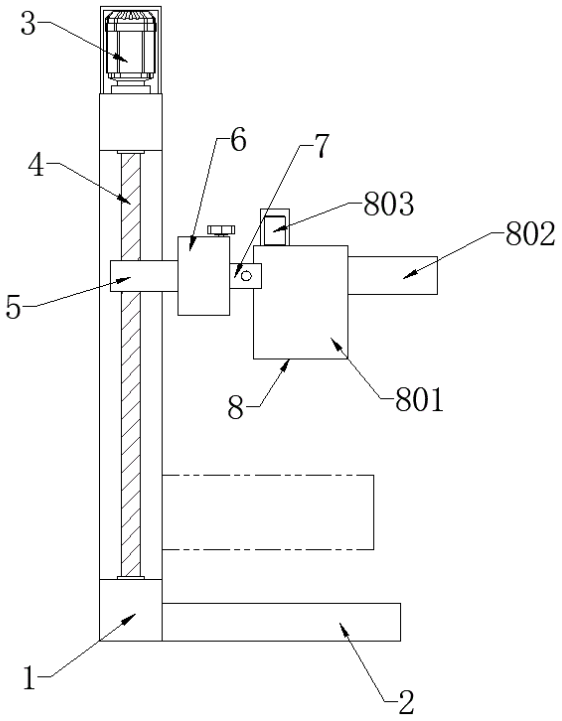
21: 2024/03477. 22: 2024/05/07. 43: 2024/11/28
51: A61B
71: Shaanxi University of Chinese Medicine
72: Li Xinghui, Yu Yang

54: AN EFFICIENT SELF-DETECTION DEVICE FOR PATIENTS WITH EARLY WARNING OF CEREBRAL HEMORRHAGE

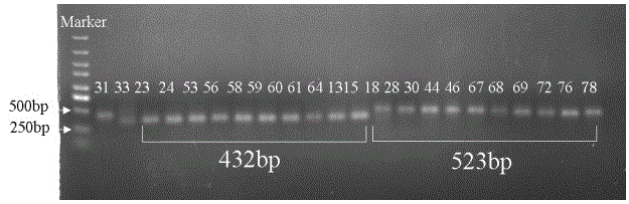
00: -

The invention discloses an efficient self-detection device for early warning patients with cerebral hemorrhage. The invention comprises a detection board and a standing board, and a standing board is arranged on one side of the detection board, and the cross section of the detection board is in a "I"-shape structure. The top of the detection board is arranged with a main motor. The invention drives a drive shaft and a drive gear to rotate through a drive motor, and uses the teeth on the drive gear and the extended limit ring to mesh with each other. Even if the extended limit ring is rotated, that is, the extended limit ring is extended from the head back-up ring, using the elastic action of the compression spring, the compression ring and the soft pad are pressed against the patient's head. The cushion is used to protect the head, so that the head of the examined patient can be fixed and limited. Its operation is simple, avoid the head shaking in the process of head detection affect the accuracy of the detection

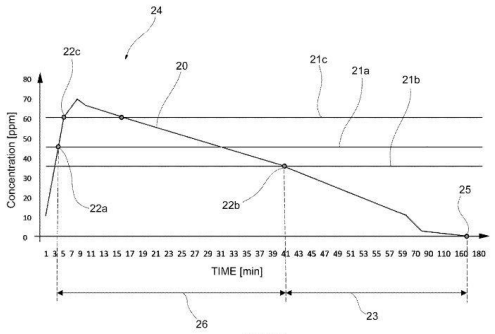
results, so that the detection personnel can timely detect cerebral hemorrhage, to achieve early warning and timely treatment effect.



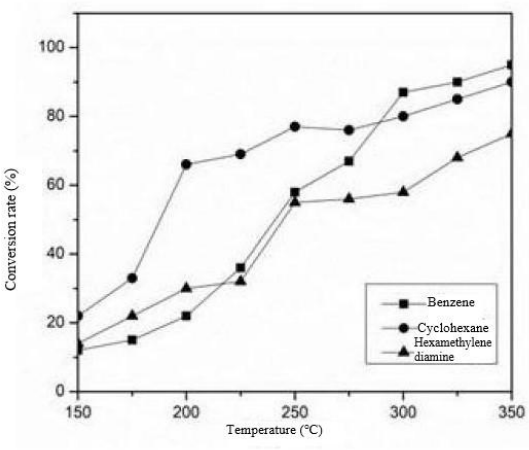
21: 2024/03478. 22: 2024/05/07. 43: 2024/12/03
51: C12Q
71: Zhejiang Academy of Agricultural Sciences
72: Wei Qingzhen, Pang Hongtao, Bao Chonglai, Zhou Jiayan, Hu Tianhua, Wang Wuhong, Hu Haijiao, Wang Jinglei, Yan Yaqin
33: CN 31: 202311548561.0 32: 2023-11-20
54: INSERTION-DELETION MOLECULAR MARKERS TIGHTLY LINKED TO REGULATION OF FRUIT LENGTH TRAITS OF SOLANUM MELONGENA AND APPLICATION
00: -
The present invention relates to the technical field of molecular genetic breeding, and specifically to insertion-deletion (Indel) molecular markers tightly linked to the regulation of fruit length traits of Solanum melongena and an application. The Indel molecular makers are located within a major-effect quantitative trait locus (QTL) fl3.1 on Solanum melongena chromosome 3, the fl3.1 being a physical location of Solanum melongena chromosome 3 of 71.826Mb-78.262Mb. A specific primer pair for obtaining Indel molecular markers tightly linked to the regulation of fruit length traits of Solanum melongena, and an application of Indel molecular markers tightly linked to the regulation of fruit length traits of Solanum melongena in achieving early identification and screening of fruit length traits breeding of Solanum melongena are also provided. The Indel molecular markers of the present invention have the characteristics of better accuracy and reliability in achieving early identification and screening of fruit length traits breeding of Solanum melongena.



21: 2024/03494. 22: 2024/05/07. 43: 2024/11/28
51: A61L; F24F; G06Q; G16H
71: WORK IN PROGRESS BIO-MEDICAL S.R.L.
72: LONGO, Matteo
33: IT 31: 102021000027041 32: 2021-10-21
54: DISINFECTION OF SURFACES IN CONFINED ENVIRONMENTS
00: -
A method of performing, tracking, and controlling airborne disinfection of surfaces of a confined environment (1) and objects contained therein, comprises associating an environmental identification device (2) to a confined environment (1) and providing therein a plurality of objects equipped with recognition means (5) and a sanitizing apparatus (3). Then, identification information about the confined environment (1) is acquired from the environmental identification device (2), information concerning with the objects is acquired from the recognition means (5), and information is acquired about a decontaminating agent (10) to be dispensed into the confined environment. The acquired information is processed and a dispensing time is calculated. A decontaminating agent (10) is dispensed in the air by a diffuser element (9) of the sanitizing apparatus (3) for a calculated dispensing time. Finally, the concentration of airborne decontaminating agent (10) in the confined environment (1) is detected and certification information is made available about the disinfection of the surfaces within the confined environment and the objects contained therein.

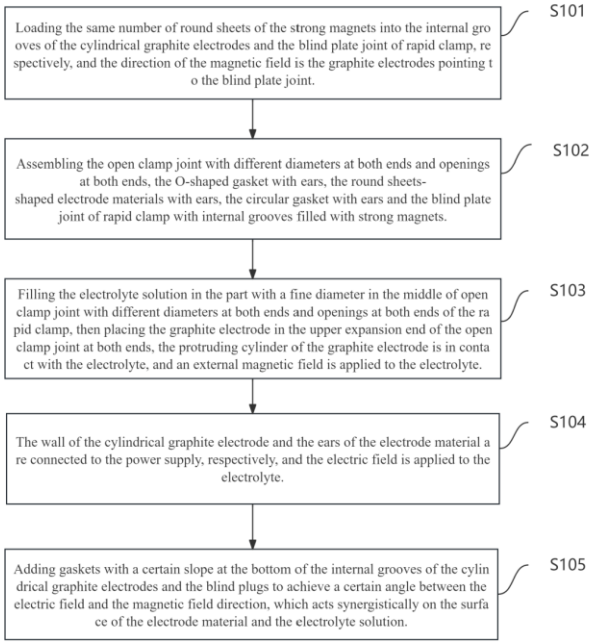


21: 2024/03522. 22: 2024/05/08. 43: 2024/11/28
51: B01J
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: HUANG, Zhenzhen, SONG, Zhongxian, ZHANG, Jinhui, ZHAO, Yanyang, MAO, Yanli, CHEN, Ling, FU, Yongmei, LI, Ka, LIU, Pan, KANG, Haiyan, ZHU, Xinfeng, LIU, Biao, WANG, Kai, GAO, Hongrun, ZHANG, Mengru, ZHAO, Shiyi, TIAN, Xinhui, LIU, Jiayao, ZHAI, Daning, HUANG, Qiaoyang
54: PREPARATION METHOD OF BIOCHAR FOR SYNCHRONOUS PURIFICATION OF VOLATILE ORGANIC POLLUTANTS
00: -
Disclosed is to a preparation method of biochar for synchronous purification of volatile organic pollutants. The method comprises the steps: putting a certain mass of agricultural waste biochar into a certain concentration of manganese metal salt solution to obtain a manganese metal salt modified agricultural waste biochar catalyst precursor; and performing ultrasonic impregnation on the manganese metal salt modified agricultural waste biochar catalyst precursor with a certain concentration of tetrachloropalladate solution; then drying a product; and performing high-temperature calcination to obtain a target catalyst. The catalyst is used for catalytic oxidation of three volatile organic pollution gases, including benzene, cyclohexane and hexamethylene diamine, emitted by chemical enterprises. The method is reasonable, feasible, low in investment and operation cost and easy to realize industrial application, reduces secondary pollution to the atmosphere caused by straw waste incineration, has good social and economic benefits.

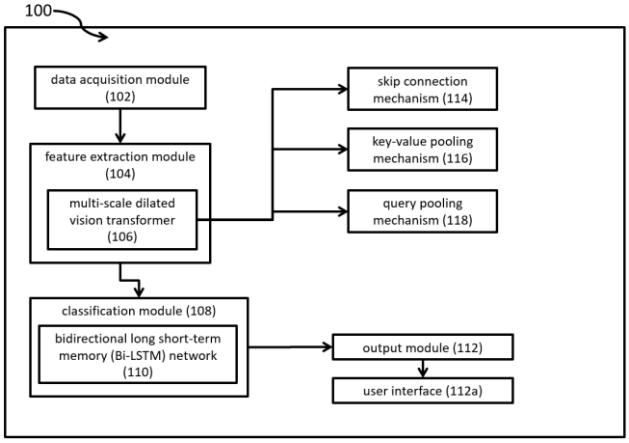


21: 2024/03526. 22: 2024/05/08. 43: 2024/11/29
51: H01L
71: YANTAI UNIVERSITY
72: Baolong XU, Haiyan SUN, Weitian WANG
54: FAST ASSEMBLY AND DISASSEMBLY EQUIPMENT AND METHOD FOR DEPOSITED NANOMATERIALS BY MAGNETOELECTRIC SYNERGY EFFECT
00: -
A fast assembly and disassembly equipment and method for deposited nanomaterials by magnetoelectric synergy effect are provided by the present invention, which belongs to the field of material science and engineering technology. It is compose by strong magnets in the form of round sheets, cylindrical graphite electrodes with internal grooves, quick assemble and dismantling of electrolytic baths and electrode materials to be treated; the quick assemble and dismantling of electrolytic bath is composed of a clamp joint, an O-shaped gasket, a circular sealing gasket, a rapid clamp and a blind plug; and the strong magnets in the form of round sheets are set in the internal groove of the cylindrical graphite electrodes, the graphite electrodes are set at the upper end of the quick assemble and dismantling of electrolytic baths, the clamp joint and the blind plate plug are connected by the rapid clamp in the middle, the O-shaped gasket and the sealing gasket are champed between the clamp joint and the blind plug, and the electrode materials to be treated are champed between the O-shaped gasket and the sealing gasket. The equipment of the present invention has the advantages of simple device, fast disassembly and assembly, and easy to realize the deposited

nanomaterials by magnetoelectric synergy effect, and it can realize the precise control of any angle of 0-30 degrees between the direction of the magnetic field and the electric field synergy.

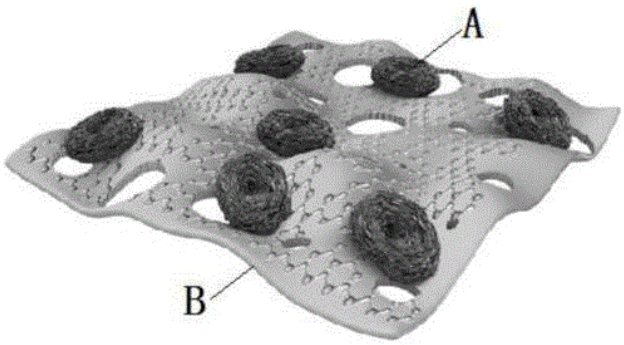


21: 2024/03529. 22: 2024/05/08. 43: 2024/11/22
51: G06F
71: SCIENTIFIC COMMUNICATIONS RESEARCH ACADEMY, PRASANALAKSHMI BALAJI, SANGITA BABU, SRIDEVI THARANIDHARAN, RUHEENA MAHVEEN
72: PRASANALAKSHMI BALAJI, SANGITA BABU, SRIDEVI THARANIDHARAN, RUHEENA MAHVEEN
54: A DEEP LEARNING-BASED SYSTEM FOR INTELLIGENT BREAST CANCER DETECTION AND A METHOD THEREOF
00: -
The present invention discloses an intelligent breast cancer detection system using deep learning techniques on histopathology biopsy images. It comprises a data acquisition module for obtaining biopsy images, a feature extraction module with a multi-scale dilated vision transformer for extracting relevant features, a classification module with a bidirectional long short-term memory (Bi-LSTM) network for detecting breast cancer from the extracted features, and an output module for displaying results. The multi-scale dilated vision transformer efficiently extracts complex features while preserving relevant information. The Bi-LSTM network robustly classifies the features, capturing necessary information from both directions for accurate detection. By integrating these techniques, the invention provides an effective solution for early and accurate breast cancer detection, enabling timely treatment and improved patient outcomes over existing methods.



21: 2024/03531. 22: 2024/05/08. 43: 2024/11/22
51: B01J; C02F
71: HAINAN NORMAL UNIVERSITY
72: HUA Yingjie, HAN Huimin, LIU Jinyuan, WANG Chongtai
33: CN 31: 202310570850.4 32: 2023-05-19
54: PREPARATION METHOD FOR WATER-CHESTNUT-SHAPED ANTIMONY TUNGSTATE COMPOSITE MATERIAL, AND USE THEREOF
00: -
The invention belongs to the technical field of materials science, and relates to a preparation method and application of water-chestnut-shaped antimony tungstate composite material. water-chestnut-shaped antimony tungstate is prepared by a hydrothermal method, and then is compounded with a monomer photocatalyst by an electrostatic adsorption method to obtain the water-chestnut-shaped antimony tungstate composite material, which can degrade organic dyes and antibiotics under photocatalysis. According to the invention, ethylene glycol and water are used to adjust and synthesize the water-chestnut-shaped Sb2WO6 through a hydrothermal method, and the Sb2WO6 is organically combined with a monomer photocatalyst with controllable structural morphology and excellent performance to form a heterojunction structure of the Sb2WO6 and the monomer photocatalyst, so that

the shortcomings of limited visible light response and fewer active sites of the monomer photocatalyst are overcome, and the spectral response range of the monomer photocatalyst is improved, thereby realizing efficient visible light photocatalytic oxidation activity and improving photocatalytic degradation performance, and having high efficiency and simplicity.

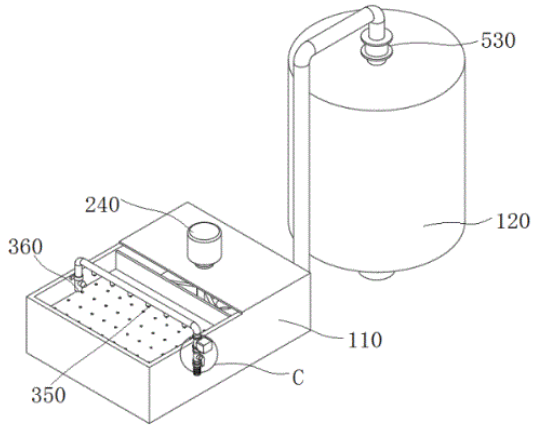


21: 2024/03534. 22: 2024/05/08. 43: 2024/11/22
51: C02F
71: Guangzhou College of Technology and Business
72: Liu Qiang, Wang Yibo

54: AN OIL-WATER SEPARATION DEVICE APPLIED IN GAS STATION WASTEWATER TREATMENT

00: -

The present invention discloses an oil-water separation device for use in gas station wastewater treatment, relating to the technical field of oil-water separation devices. The invention comprises a filtration pool and a filtration box, connected between the filtration pool and the filtration box via a conveying pipe. It further includes an agitation component and a cleaning component located inside the filtration pool, with the agitation component positioned on one side of the cleaning component. The agitation component comprises an agitation shaft, main blades, and secondary blades. An agitation shaft is movably arranged inside the filtration pool. By setting two secondary blades with different angles on the main blade, each main blade's two secondary blades extend in directions away from each other, causing changes in water flow. The outer end of the main blade forms a generally "H" shape. Because the main blade has two branches at the outer end, it increases the pressure in the outer end region, making it easier for the water flow at the outer end to converge inward and flow along the axis, separating the oil-water mixture.

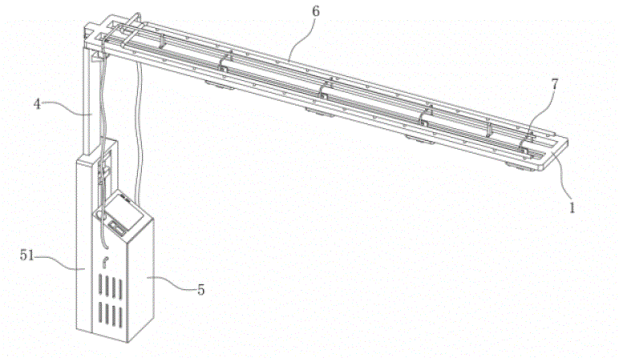


21: 2024/03535. 22: 2024/05/08. 43: 2024/11/22
51: A62C
71: Guangzhou College of Technology and Business
72: Chen Haoxin, Wu Xianhui

54: A SAFETY MONITORING DEVICE FOR UNIVERSITY LABORATORIES

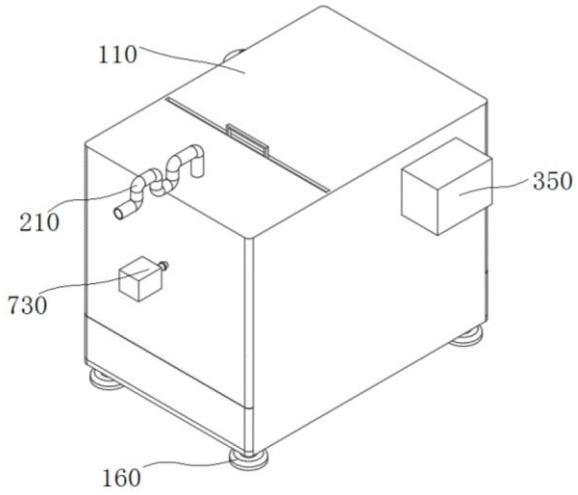
00: -

This invention discloses a safety monitoring device for university laboratories, involving the field of monitoring device technology. The invention includes a top frame, monitoring components, an electrical box body, a fire extinguishing component, and a heat dissipation component. Multiple monitoring components are arranged at the bottom of the top frame. The top frame achieves rotation through a rotating mechanism and elevation through an elevating mechanism. The monitoring components include an installation board, with a camera body fixedly penetrated at the center of the installation board. Support ears are set at the top of the installation board, and a crossbeam is integrally formed in the middle of the top frame. This invention enhances the security of the safety monitoring device by incorporating fingerprint recognition modules, speakers, and various sensors. The fire extinguishing component is incorporated to provide firefighting functionality, and the heat dissipation component is included to improve the heat dissipation function of the safety monitoring device. These innovations address the issues of existing safety monitoring devices being functionally limited and lacking ideal security.



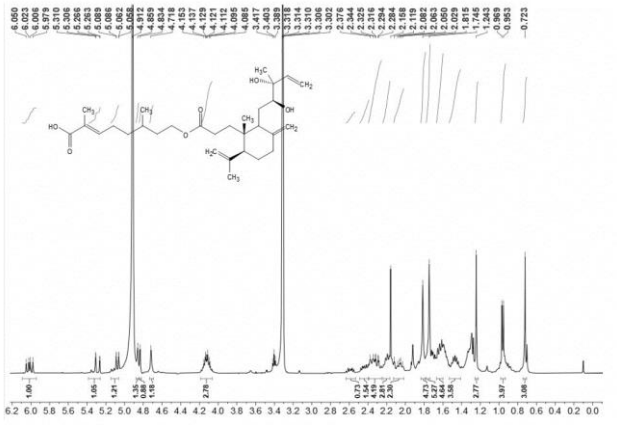
21: 2024/03545. 22: 2024/05/08. 43: 2024/11/22
51: C02F
71: Guangzhou College of Technology and Business
72: Zhang Yuanchao, Wang Yibo
54: A WATER PURIFICATION DEVICES BASED ON CHITOSAN WATER PURIFYING AGENTS
00: -

The present invention discloses a water purification device based on chitosan water purifier, which is related to the field of water purification equipment. The invention includes a water purification tank and an inlet component located at the top of the water purification tank. The inlet component comprises an inlet pipe and a diversion part. The water purification tank has an inlet at the top, and the inlet pipe is set at the inlet and communicates with the water purification tank. The inlet pipe is composed of multiple curved pipe bodies, and there are gaps between the diversion plates of the diversion part, which can rotate. During the diversion process, the water flow causes the diversion plates to rotate to face the direction of the water flow, and the water flows out from the gaps of the diversion plates, reducing the flow velocity. When the water flow changes direction, it provides a force in the direction of the curve, making it easier for the water flow to change direction and reducing the pressure on the curved section, protecting it. Moreover, the multiple bends of the inlet pipe also increase the time for the water flow, slowing down the arrival of wastewater in the water purification tank, ensuring that substances in the wastewater do not splash out of the tank, and ensuring the safety of the surrounding environment.



21: 2024/03558. 22: 2024/05/09. 43: 2024/11/22
51: A61K
71: HAINAN NORMAL UNIVERSITY
72: YU Zhangxin, LI Xiaobao, MENG Yuqin, LI Muyuan
33: CN 31: 202311396928.1 32: 2023-10-26
54: CALLICARPA NUDIFLORA LEAF EXTRACT, LABDANE DITERPENOID COMPOUND, PREPARATION METHOD THEREOF AND USE THEREOF
00: -

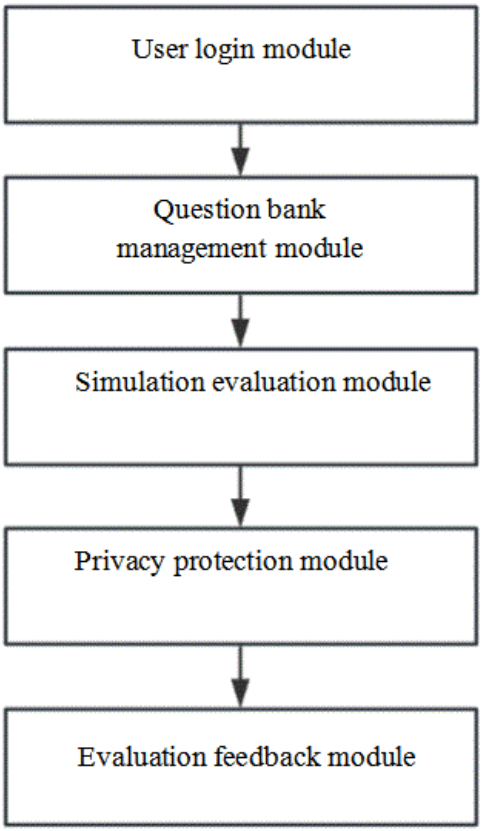
The present invention discloses a Callicarpa nudiflora leaf extract, a labdane diterpenoid compound, preparation method thereof and use thereof. A new labdane diterpenoid compound I with 3,4-seco-ring and containing a linear monoterpenoid fragment is isolated from Callicarpa nudiflora leaf extract. Both compound I and Callicarpa nudiflora leaf extract have anti-inflammatory effects and alpha-glucosidase inhibitory activities.



21: 2024/03559. 22: 2024/05/09. 43: 2024/11/22

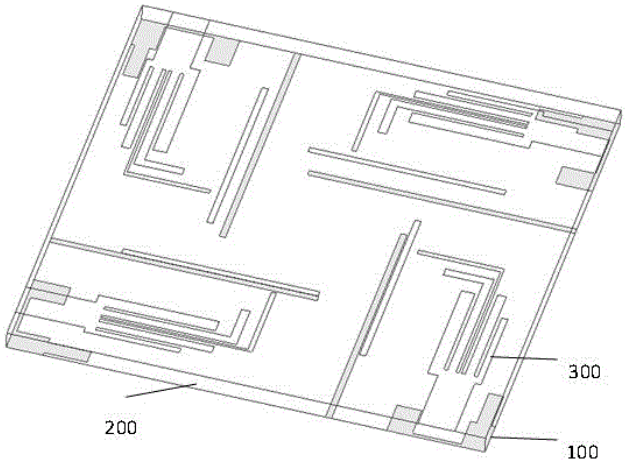
51: A23K
71: Beijing Bangshifu Bio-tech Co., Ltd., Tianjin Agricultural University
72: LI, Yubin, TONG, Yingkai, XING, Yanzhi, QI, Dasheng, LI, Zonghan, ZHANG, Yi, CHEN, Erlu
54: PRODUCTION METHOD FOR PUMPKIN SEED MEAL MULTI-BACTERIA SOLID STATE FERMENTATION FEED
00: -
The present invention relates to the technical field of bioengineering, and discloses a production method for a pumpkin seed meal multi-bacteria solid state fermentation feed, including: performing solid state fermentation by taking pump seed meal, corn flour, and wheat bran as raw materials. The solid state fermentation is performed by taking Endomycopsis fibuligera, Geotrichum candidum, yeast, Bacillus subtilis, and Lactobacillus rhamnosus after being subjected to amplification culture as a liquid strain. According to the present invention, the pumpkin seed meal, the corn flour, and the wheat bran are fermented by using the characteristics of Endomycopsis fibuligera, Geotrichum candidum, the yeast, Bacillus subtilis, and Lactobacillus rhamnosus; meanwhile, various microbial agents can directly or indirectly act on intestines to promote digestion and absorption of nutrients, inhibit growth of intestinal pathogens, and enhance animal immunity.

21: 2024/03560. 22: 2024/05/09. 43: 2024/11/22
51: G06Q
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI Hua, ZHANG Xiaoguo, ZHANG Yao, LI Yajie
54: SIMULATION EVALUATION SYSTEM FOR ENGINEERING TECHNICIANS
00: -
The invention discloses a simulation evaluation system for engineering technicians, which includes a user login module for logging in based on portrait information, fingerprint information or identity information of a user; the question bank management module is used for constructing a history evaluation question bank, inquiring and selecting the constructed history evaluation question bank, and constructing theoretical evaluation test questions and practical evaluation test questions with different difficulties; the simulation evaluation module is used for reorganizing the test questions and re-dividing the difficulty of the reorganized test questions, and the divided different difficulty areas correspond to different technical levels respectively; the privacy protection module is used for setting the evaluation password; the evaluation feedback module is used to obtain the evaluation results, collect the project honor rewards of the participants as bonus items based on big data, and finally display the comprehensive evaluation results. The evaluation system of the invention makes the evaluation of engineering technicians more scientific, standardized, be procedure-based, fair, just, open, confidential and efficient to a certain extent.



21: 2024/03561. 22: 2024/05/09. 43: 2024/11/22
51: H01Q
71: Anhui Normal University
72: YU Shuo, LIU Xiaoming
54: MINIATURIZED FOUR-BAND FOUR-PORT MIMO ANTENNA APPLIED TO 5G AND WLAN
00: -
The invention discloses a miniaturized four-band four-port MIMO antenna applied to 5G and WLAN. The antenna consists of four centrally symmetric

concave-like grounding branches in the lower layer, four centrally symmetric decoupling branches in the lower layer, a dielectric layer in the middle, four centrally symmetric antenna elements in the upper layer and four centrally symmetric decoupling branches in the upper layer. The antenna produces four effective universal frequency bands, which are 2.54GHz-2.62GHz, 3.39GHz-3.56G, 4.35GHz-5.02GHz and 5.64 GHz-5.91 GHz respectively. Among them, the first three universal frequency bands are located in 5G functional frequency band, and the fourth universal frequency band is located in WLAN functional frequency band, and the coupling coefficient between the four ports of the antenna is lower than -17.8dB in all four functional frequency bands, among which the first universal frequency band is lower than -18.2dB, the second universal frequency band is lower than -17.8dB, the third universal frequency band is lower than -18.5dB, and the fourth universal frequency band is lower than -25dB, which realizes the inter-antenna unit. The antenna is simple in structure, small in size and low in processing cost, and the length and width of the antenna branch can be adjusted according to application requirements to adjust the frequency and bandwidth of the functional frequency band, so that the antenna has strong flexibility and adaptability; It solves the problem of complex integration of single-band antenna and single antenna, and has broad application prospects in 5G communication.

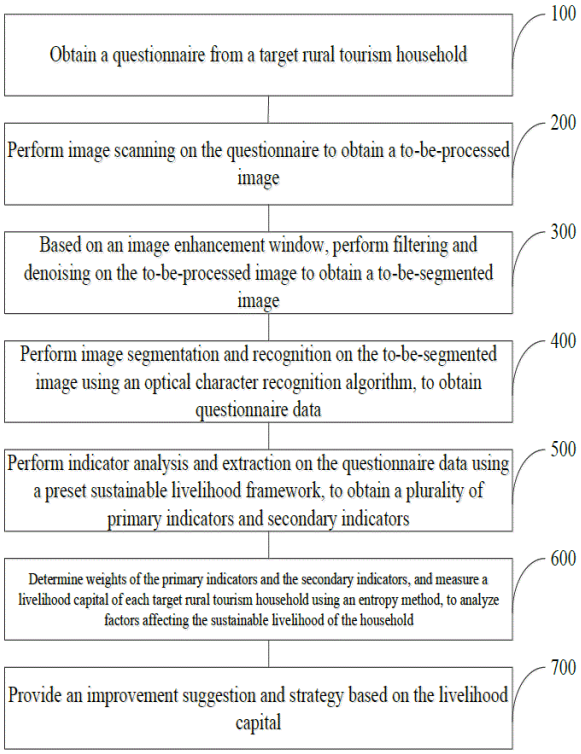


21: 2024/03562. 22: 2024/05/09. 43: 2024/11/22
51: G06F
71: Baicheng Normal university, Liaoning Ecological Engineering Vocational University
72: Xu Bo, Lu Xiaoling, Gao Biao, Yang Hui, Li Long, Cui Hongyan, Jiang Naiyuan, Li Aiyang

54: ASSESSMENT METHOD FOR SUSTAINABLE LIVELIHOOD OF RURAL TOURISM HOUSEHOLD

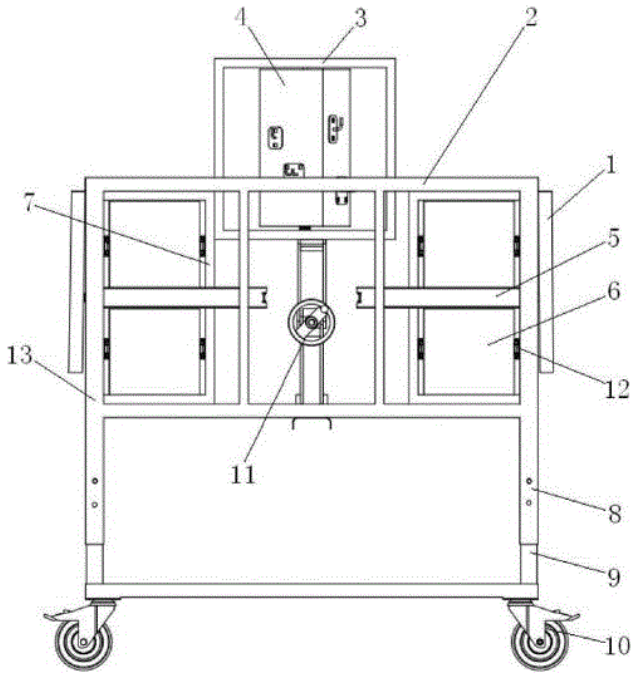
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The invention provides an assessment method for sustainable livelihood of a rural tourism household, including: obtaining a questionnaire from a target rural tourism household; performing image scanning on the questionnaire to obtain a to-be-processed image; based on an image enhancement window, performing filtering and denoising on the to-be-processed image to obtain a to-be-segmented image; performing image segmentation and recognition on the to-be-segmented image using an optical character recognition algorithm, to obtain questionnaire data; performing indicator analysis and extraction on the questionnaire data using a preset sustainable livelihood framework, to obtain a plurality of primary indicators and secondary indicators; determining weights of the primary indicators and the secondary indicators, and measuring a livelihood capital of each target rural tourism household using an entropy method, to analyze factors affecting the sustainable livelihood of the household; providing an improvement suggestion and strategy based on the livelihood capital. The present invention realizes automated processing of questionnaire data through image scanning and optical character recognition algorithm, saving human resources and time costs. Fig. 1



21: 2024/03565. 22: 2024/05/09. 43: 2024/11/22
51: A47B
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: MULTIFUNCTIONAL LABORATORY CONSOLE
00: -

The invention discloses a multifunctional laboratory console, belonging to the field of laboratory equipment. The invention relates to a multifunctional laboratory console, which comprises a main frame, wherein the top surface of the main frame is provided with a middle table top, and the left and right ends of the middle table top are hinged with side tables respectively; the lower left and right sides of the middle table top are respectively provided with drawer mounting frames which can be pushed and pulled in the left and right direction; the drawer mounting frames are provided with drawers which can be turned over and support the side table top when being pulled out; the middle part of the middle table top is provided with a lifting platform, and the top surface of the lifting platform is flush with the middle table top, and the lifting platform can extend upward out of the middle table top for a certain distance. The invention has the characteristics of exquisite, reasonable and creative design, light weight, strong bearing capacity, adjustable height, retractable table top, space saving, convenient movement, reliable locking and the like, and is suitable for multiple operations and simultaneous use by multiple people.



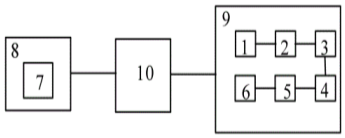
21: 2024/03566. 22: 2024/05/09. 43: 2024/12/04
51: A41G
71: EXPERIMENTAL CENTER OF TROPICAL FORESTRY, CHINESE ACADEMY OF FORESTRY
72: Angang MING, Zuwei TIAN, Hongyan JIA, Hua LI, Kun YANG, Weiwei SHU, Huilin MIN, Shuokun DENG
54: ARTIFICIAL CHINESE FIR FOREST AND TRANSFORMATION METHOD AND APPLICATION THEREOF
00: -

The present invention relates to an artificial Chinese fir forest and a transformation method and application thereof, and belongs to the technical field of planting. The present invention provides a method for transforming an artificial Chinese fir forest, and the method includes the following steps: (1) selectively felling some trees in the Chinese fir forest until the density of the remaining trees in the Chinese fir forest is 25-28 plants per mu to obtain a thinned Chinese fir forest; and (2) planting broad-leaved tree seedlings under the thinned Chinese fir forest to obtain an artificial Chinese fir forest, where

the broad-leaved tree seedlings are any 3-5 species of Phoebe zhennan S. K. Lee & F. N. Wei, Quercus glauca Thunb., Pterocarpus indicus Willd., Eucalyptus, Erythrophleum fordii Oliv. and Firmiana simplex (Linnaeus) W. Wight tree seedlings. Compared with a natural Chinese fir forest, the artificial Chinese fir forest obtained through the transformation method has the advantages that the soil bulk density is reduced and the soil carbon content is increased. The transformation method of the present invention is capable of effectively improving the quality and carbon sequestration capacity of the Chinese fir forest, and providing a scientific basis for the artificial transformation of Chinese fir forest.

21: 2024/03567. 22: 2024/05/09. 43: 2024/11/22
51: C07D
71: HAINAN NORMAL UNIVERSITY
72: CHEN Guangying, WEI Yanmei, YU Zhangxin, ZHANG Xuan, HAN Qiaoyuan
33: CN 31: 202410165834.1 32: 2024-02-05
54: BETA-CARBOLINE-BENZOQUINOLIZIDINE ALKALOID, PREPARATION METHOD THEREOF AND USE THEREOF
00: -
The present invention discloses Beta-carboline-benzoquinolizidine alkaloid, preparation method thereof and use thereof. The present invention takes the stem of Alangium salviifolium as the raw material and performs isolation of ethanolic extract by silica gel column chromatography, Sephadex LH-20 column chromatography and semi-preparative high performance liquid chromatography to obtain compound A1, compound A5, and other Beta-carboline-benzoquinolizidine alkaloid compounds A2, A3 and A4. Compounds A1-A5 exhibit good tumor cell inhibitory activity.

21: 2024/03568. 22: 2024/05/09. 43: 2024/11/22
51: A23F
71: Central South University
72: TU, Fubing, LIU, Han, HUANG, Jishun
54: SYSTEM AND CONTROL METHOD FOR BAKING ANHUA RAW DARK GREEN TEA
00: -
The present invention provides a system and control method for baking Anhua raw dark green tea, relating to the technical field of tea preparation devices. By adopting a frequency-conversion fan, a hot wind furnace, a hot wind coupling optimization integrated system, and an intelligent control system, cold air is sent into the hot wind furnace through the frequency-conversion fan for heating, and the hot air generated is configured to bake raw tea, avoiding the problem of secondary pollution to tea caused by direct contact between smoke gas and raw tea in the existing baking craft. The present invention converts the natural convection heat exchange in direct contact with smoke gas when raw dark green tea is baked and dried into intelligent and controllable hot-wind forced convection heat exchange via the intelligent control system.

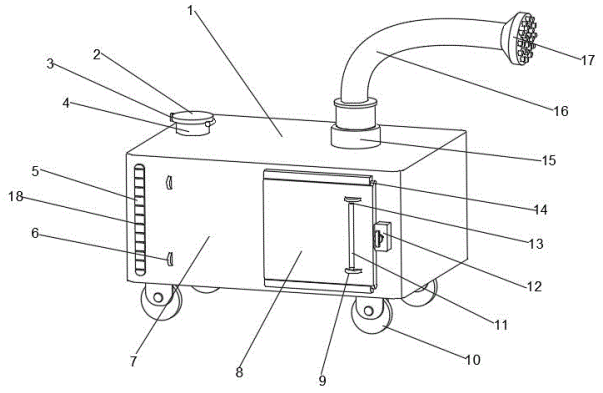


21: 2024/03569. 22: 2024/05/09. 43: 2024/11/22
51: H02S
71: Jiangsu University of Technology
72: Zhou Shilong, Shi Hongtao, Guan Keqiang, Yang Jingjing, Xiang Meng
33: CN 31: 2024104660220 32: 2024-04-18
54: A MANUFACTURING PROCESS FOR A DUAL-LAYER ANTI-REFLECTIVE COATING ON PHOTOVOLTAIC PANELS
00: -
This invention provides a manufacturing process for a dual-layer anti-reflective coating on photovoltaic panels, which falls within the field of dual-layer anti-reflective coatings. Based on this manufacturing process for the dual-layer anti-reflective coating on photovoltaic panels, the steps include: S1. Preparation of silicon-based materials, such as silicon dioxide and silicon nitride. Silicon dioxide is synthesized using the sol-gel method, while silicon nitride is synthesized using chemical vapor deposition. S2. Designing the optimal thickness for each layer of the coating: Silicon dioxide is set at 100 nm, and silicon nitride at 50 nm to achieve minimal reflectance. Photovoltaic panels are treated with a plasma cleaner for approximately 30 minutes to remove surface organic residues and enhance surface energy, thereby improving the adhesion of the coating layers. Through the careful design of the dual-layer anti-reflective coating and precise control of each layer's thickness, the invention achieves

minimal reflectance across a broad range of wavelengths. Additionally, the introduction of a self-assembled monolayer of silane transition layer effectively improves the compatibility between silicon dioxide and silicon nitride, thereby reducing interface reflection.

21: 2024/03570. 22: 2024/05/09. 43: 2024/11/22
51: A61K
71: Yingsheng Huang
72: Yingsheng Huang, Yurong Cao
33: CN 31: 2024103804751 32: 2024-03-30
54: TRADITIONAL CHINESE MEDICINE FOR APPLICATION USED FOR DREDGING COLLATERALS, RELIEVING PAIN, ACTIVATING BLOOD CIRCULATION AND REMOVING BLOOD STASIS
00: -
The invention relates to a kind of traditional Chinese medicine for application used for dredging collaterals, relieving pain, activating blood circulation and removing blood stasis, and is made by the following steps: weighing the raw materials according to their weights: 25 grams of Lycopodium clavatum, 25 grams of cortex acanthopanacis, 25 grams of Ligusticum wallichii, 25 grams of Ramulus cinnamomi, 25 grams of radix angelicae tuhuo, 25 grams of loranthus parasiticus, 25 grams of radix cyathulaee, 25 grams of radix aconiti agrestis, 25 grams of Angelica sinensis, 25 grams of radix gentianae macrophyllae, 50 grams of herba ephedra, 50 grams of radix clematidis, 50 grams of garden balsam stem, 20 grams of fructus zanthoxyli, 20 grams of Eucommia ulmoides, 20 grams of Rhizoma Cibotii, 20 grams of asarum, 20 grams of logwood, 20 grams of Dan-Shen Root, 20 grams of frankincense, and 20 grams of myrrh; mixing the raw materials and then ground into 120-200 mesh powder, add yellow rice wine, mix into paste, and take gauze to wrap around the finished product. The advantages of this invention are: simple treatment method, good effect, and no negative effects; if used in the human body in the cervical spondylosis, spinal bending, lumbar disc protrusion, lumbago, periarthritis of shoulder and leg disease treatment, it will make patient recover quickly and greatly reduce the patient's treatment costs, bringing happiness and joy to every family.

21: 2024/03572. 22: 2024/05/09. 43: 2024/11/22
51: A61L
71: Shanghai Jiading District Waigang Town Community Health Service Center
72: Donghua Chen, Yongyan Huo, Lifeng Zhou, Hui Yang
54: A STERILIZATION AND DISINFECTION SPRAYING DEVICE FOR INFECTIOUS DISEASES
00: -
The invention relates to the technical field of medical equipment, in particular to a sterilization and disinfection spraying device for infectious diseases. The invention comprises: A liquid storage area and an inner cavity are arranged inside the device body, a water pump is arranged in the inner cavity, and a water inlet pipe is arranged above the liquid storage area. The inlet pipe is provided with a cover plate, the water outlet is provided above the water pump, and the surface of the device body is provided with a limit component. The surface of the sealing plate is provided with a vertical plate, the vertical plate is provided with a vertical rod, the vertical rod is provided with a rubber pad, and the end face of the sealing plate is provided with an inserting plate. The surface of the inserting plate is provided with a second through-hole, the surface of the sealing plate is provided with a vertical plate, the vertical plate is provided with a vertical rod, the vertical rod is provided with a rubber pad, the end face of the sealing plate is provided with an inserting plate, and the surface of the inserting plate is provided with a second through-hole; The invention provides a sterilization and disinfection spraying device for infectious diseases. The water pump is arranged in an independent inner cavity to facilitate the repair and maintenance of the water pump, and the limit component is provided to facilitate the limiting of the sealing plate.

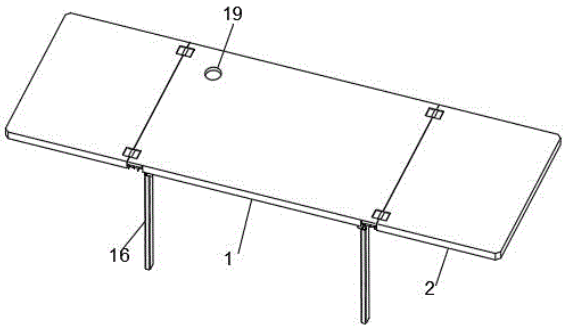


21: 2024/03573. 22: 2024/05/09. 43: 2024/11/22
51: A61B
71: Shanghai Jiading District Waigang Town Community Health Service Center
72: Donghua Chen, Yongyan Huo, Cuiying He, Haiwei Wang

54: A SAMPLE COLLECTION PLATFORM FOR PATENTS WITH INFECTIOUS DISEASES

00: -

The invention relates to the technical field of medical devices, in particular to a sample collection platform for patents with infectious diseases. The invention comprises an operating plate, the left and right ends of the operating plate are connected with a rotating plate through a hinge rotation, and the lower end of the operating plate is fixed on the front and rear sides. Pull the fixing rod to one side of the limit slot by stretching the spring i and insert the limit rod into the limit slot. This allows the fixing rod and the limit hole to be separated, and the rotating plate can be turned to the upper end of the operating plate by pulling the shaft to the outside. The shaft pin is moved outwards by stretching the spring ii and separated from the inserting hole to change the position of the moving rod. The moving rod can be moved to the lower end of the rotating plate. The moving rod can also be inserted into the fixing cylinder to facilitate the storage of the moving rod by turning the supporting leg to the level of the operating plate. Then it is fixed by fastening bolts to facilitate the folding and storage of the supporting legs, and to facilitate the folding and carrying of the collection platform.

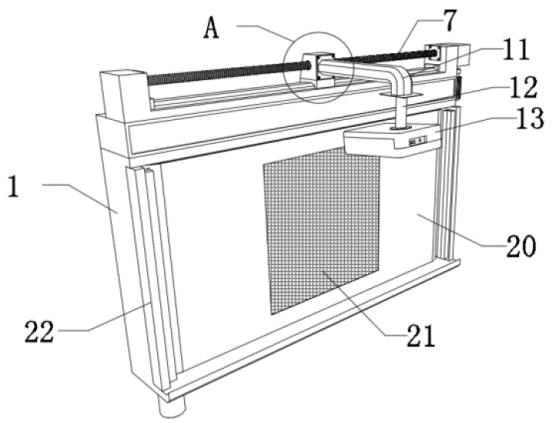


21: 2024/03576. 22: 2024/05/09. 43: 2024/11/22
51: G09B
71: Guangzhou College of Technology and Business
72: Hu Gang, Wu Weijie, Gao Min

54: A MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN MILITARY COURSES IN UNIVERSITIES

00: -

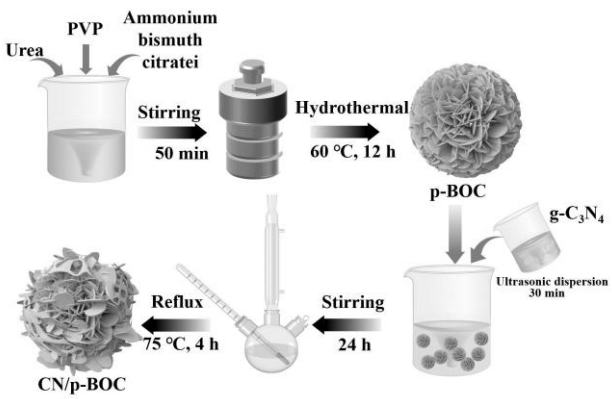
The present invention discloses a multimedia teaching device for the teaching experience of ideological and political education in military courses in universities, involving the field of multimedia teaching technology. The invention includes a frame with a projection component positioned above the frame, and an activity component is provided inside the projection component, with a screen component fixed externally. The projection component comprises a connecting frame, a screw rod, a transmission component, a supporting arm, a connecting rod, and a projector. The connecting frame is located directly above the frame, with screw rods movably positioned relative to the inner walls on both sides of the frame. The transmission component is movably connected to the screw rods on the lateral sides, with one side fixedly connected to the supporting arm. The activity component includes transmission rollers and a backboard, with two transmission rollers movably positioned on the inside of the frame on both sides, and one side near the frame's inner wall fixedly connected to the backboard. Through the coordinated movement of the projection component and the activity component, the writing area is no longer obstructed, and viewing the projection content is more convenient and intuitive.



21: 2024/03577. 22: 2024/05/09. 43: 2024/11/22
51: B01J; C02F
71: HAINAN NORMAL UNIVERSITY
72: HUA Yingjie, JIA Shihao, WANG Chongtai, HAN Huimin
33: CN 31: 2023114606213 32: 2023-11-06
54: CARBON POLYMER DOT COMPOSITE BISMUTH OXYCARBONATE NANOSHEET MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The invention relates to a carbon polymer dot composite bismuth oxycarbonate nanosheet material and a preparation method and application thereof, belonging to the technical field of nanomaterials, and comprising the following steps: sequentially dissolving CTAB and HMT into an ethanol solution, adding BiCl3, Na2CO3 and carbon polymer dots, stirring, performing in-situ composite reaction, and washing and drying to obtain the carbon polymer dot composite bismuth oxycarbonate nanosheet material. The invention also discloses the carbon polymer dot composite bismuth oxycarbonate nanosheet material prepared by the preparation method, and also discloses the application of the nanosheet material in photocatalytic degradation of organic dyes, antibiotics or phenolic pollutants in water. The method improves the spectral response range of the photocatalyst, realizes efficient visible photocatalytic oxidation activity, has the advantages of high photocatalytic efficiency, simple and rapid method, economy and environmental protection, and can also maintain good photocatalytic activity in seawater environment.



21: 2024/03579. 22: 2024/05/09. 43: 2024/11/22
51: B01J; C01G
71: HAINAN NORMAL UNIVERSITY
72: HUA Yingjie, JIA Shihao, WANG Chongtai, HAN Huimin
33: CN 31: 2023113869828 32: 2023-10-25
54: N-DOPED BISMUTH OXYCARBONATE COMPOSITE GRAPHITE-PHASE CARBON NITRIDE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The invention provides an N-mixed bismuth oxycarbonate composite graphite-phase carbon nitride material and a preparation method and application thereof, and belongs to the technical field of photocatalytic materials for degrading wastewater pollutants. According to the invention, N-doped bismuth oxycarbonate is synthesized by a hydrothermal method, and then the N-doped bismuth oxycarbonate and graphite-phase carbon nitride are condensed and refluxed by an electrostatic adsorption method to synthesize the N-doped bismuth oxycarbonate composite graphite-phase carbon nitride material. According to the invention, N-doped bismuth oxycarbonate and graphite-phase carbon nitride are effectively compounded, and the interaction between N-doped bismuth oxycarbonate and graphite-phase carbon nitride is utilized to compound N-doped bismuth oxycarbonate and graphite-phase carbon nitride to form an S-scheme heterojunction structure, so that the light absorption range can be widened, the light absorption intensity can be enhanced, the separation and transfer of photogenerated carriers can be promoted, and the performance of photocatalytic degradation of organic dyes, antibiotics and phenolic pollutants in environmental water bodies can be further improved.

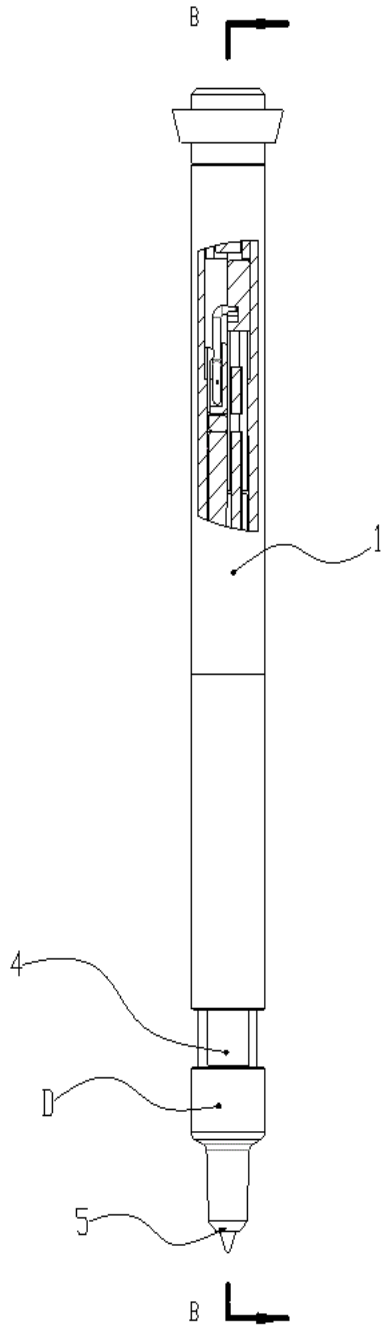


21: 2024/03581. 22: 2024/05/09. 43: 2024/11/22
51: B43K
71: WENZHOU JIANXI STATIONERY CO., LTD.
72: SONG, Yingying
33: CN 31: 202111274299.6 32: 2021-10-29
33: CN 31: 202111512533.4 32: 2021-12-11
33: CN 31: 202210296414.8 32: 2022-03-24

54: MECHANICAL PEN AND OPERATING METHOD THEREFOR

00: -

A mechanical pencil and an operating method therefor. A position-based relationship of a tool body is determined by means of the displacement of an adjustment part provided in a sleeve. The tool body has two position-based states, which are retracted and propelled states, and the adjustment part achieves relative stability at the two position-based states by means of a positioning part or a positioning slot in the sleeve, a resetting part, and a control part. The resetting part is driven by the tool body to provide a continuous force to the adjustment part, so that the state of a displacement part on the adjustment part is relatively stable at a retracted position. When the displacement part moves in the positioning slot to a propelled position, the displacement part is limited by the control part, so that the state at the propelled position is relatively stable.



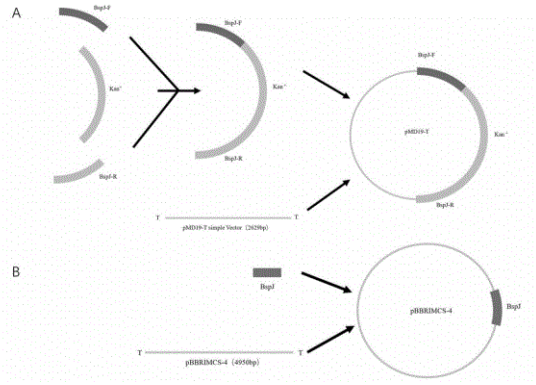
21: 2024/03598. 22: 2024/05/10. 43: 2024/11/22
51: A61K
71: Shihezi University
72: WANG, Yong, MA, Zhongchen, ZHENG, Wei, ZHANG, Hui, CHEN, Chuangfu

54: APPLICATION OF BSPJ GENE INHIBITOR IN PREPARATION OF BRUCELLA WITH LOW TOXICITY

00: -

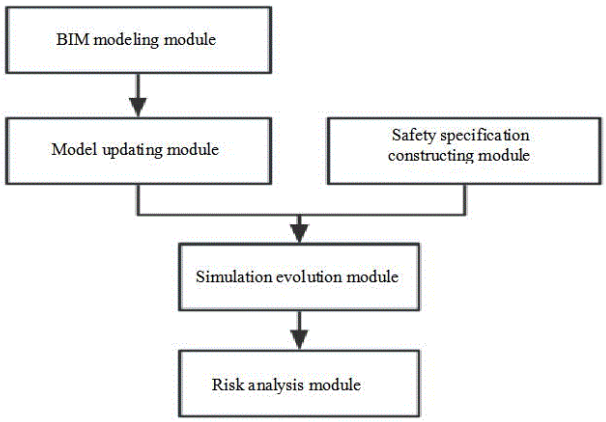
The present invention provides application of a BspJ gene inhibitor in the preparation of Brucella with low

toxicity, and relates to the technical field of genetic engineering. In the present invention, a BspJ gene deletion strain (Delta BspJ) and a BspJ gene deletion complementary strain (pBspJ) of Brucella are constructed by homologous recombination and vector complement methods, and BspJ genes of Brucella are found to be related to viability through a series of tests. The present invention also provides application of the BspJ gene deletion strain in the preparation of a Brucella vaccine.

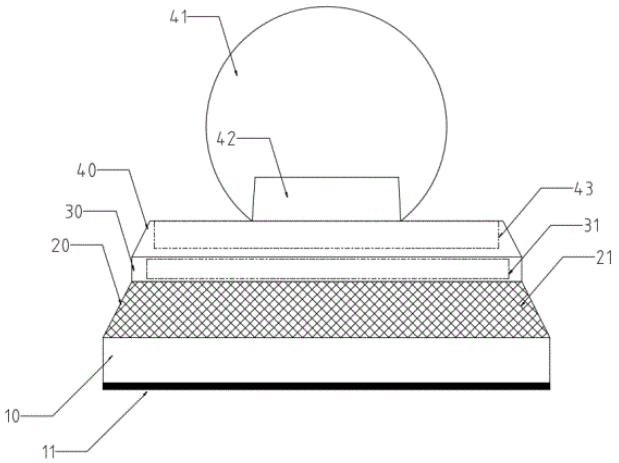


21: 2024/03599. 22: 2024/05/10. 43: 2024/11/22
51: A61K
71: Institute of Biological Resources, Jiangxi Academy of Sciences
72: ZHANG, Zhihong, YANG, Chunhua, HUANG, Jiangli, WU, Jianshao, WANG, Hongxiu, WANG, Juhua, WU, Guohui, MAO, Chunxia, XIONG, Yuanquan, HE, Li, ZHANG, Guohua, SHENG, Ping, WANG, Dongsheng, HUAN, Zhongyan
54: COMBINED MEDICINE FOR BACTERIAL HEMORRHAGIC SEPTICEMIA IN PELODISCUS SINENSIS
00: -
The present invention belongs to the technical field of disease prevention and control of Pelodiscus sinensis, and in particular relates to a combined medicine for bacterial hemorrhagic septicemia in Pelodiscus sinensis. The combined medicine includes enrofloxacin, Sanhuang powder, vitamins, a chitosan microbial compound preparation, and rice husk vinegar. The combined medicine provided by the present invention adopts a mode of internal and external treatment and cooperation of an antibiotic and a biological prevention and control method, and can achieve quick action in treatment, prevent drug resistance, and improve the immunity of Pelodiscus sinensis. It may be seen from embodiments that after the combined medicine provided by the present invention is administered to greenhouse cultured Pelodiscus sinensis with hemorrhagic disease, the mortality of Pelodiscus sinensis infected with hemorrhagic disease can be decreased from 80 percent to less than 20 percent.

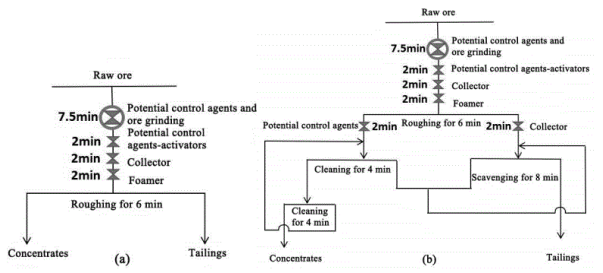
21: 2024/03600. 22: 2024/05/10. 43: 2024/11/22
51: G06F
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: LI Hua, ZHAO Xupei, CHEN Yao, XIE Fan, ZHANG Zilu
54: ENGINEERING CONSTRUCTION SAFETY MANAGEMENT SIMULATION SYSTEM BASED ON BIM
00: -
The invention discloses an engineering construction safety management simulation system based on BIM, which comprises a BIM modeling module for constructing a target engineering BIM model; the model updating module is used for correcting the BIM model of the target project to obtain a corrected BIM model; the safety specification constructing module is used to collect safety risks and corresponding safety precautions and build safety specification information; the simulation evolution module is used to identify potential safety hazards and dangerous operations according to the modified BIM model and safety specification information; the risk analysis module is used to carry out regional risk assessment according to the identification result, obtain the risk coefficient, and mark the corresponding areas on the GIS map of the construction site with different colors according to the risk coefficient. According to the invention, by calculating the risk coefficient of each block, the blocks are marked according to the risk coefficient, which is convenient for engineering managers to give priority to serious areas according to the risk coefficient and reduces the safety risk coefficient of construction operation.



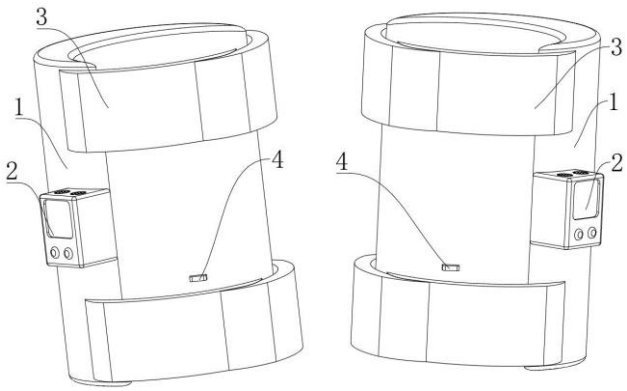
21: 2024/03601. 22: 2024/05/10. 43: 2024/11/22
51: B60R
71: Zhikai Tu
72: Zhikai Tu
33: CN 31: 202420712336X 32: 2024-04-09
54: PHOTOVOLTAIC VEHICLE-MOUNTED ORNAMENT
00: -
The invention discloses a photovoltaic vehicle-mounted ornament, comprising a base, wherein: the upper end surface of the base is fixed with a first mounting base; an outer slope of the first mounting base is fixed with a photovoltaic power generation panel, and the other outer slope of the first mounting base opposite to the photovoltaic power generation panel is fixed with a control panel; the upper end surface of the first mounting base is provided with a second mounting base, and the inside of the second mounting base is provided with a battery electrically connected to the photovoltaic power generation panel; the upper end surface of the second mounting base is fixed with a third mounting base, and the upper end surface of the third mounting base is provided with a glass lampshade and an LED lamp holder located in the glass lampshade; the inside of the third mounting base is provided with a control circuit board electrically connected to the LED lamp holder, the battery, and the control panel. The invention achieves the goals of energy conservation, environmental protection, beauty and practicality by combining photovoltaic power generation technology and vehicle-mounted ornaments. It can still provide lighting when there is no lighting or street light, and its status can be adjusted at the same time. It has the functions of warning and collision prevention, and can meet the dual needs of consumers for the functionality and aesthetics of vehicle-mounted ornaments.



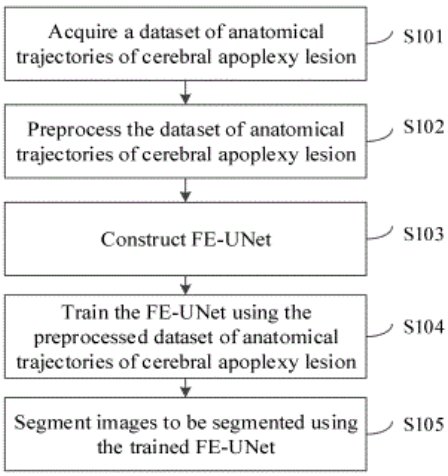
21: 2024/03602. 22: 2024/05/10. 43: 2024/11/22
51: B03D
71: Henan University of Urban Construction
72: BAO, Yun, WU, Xuyang, XU, Kaidong, WANG, Jina, NIE, Jiale, MA, Wenhao, DONG, Yihang
54: POTENTIAL CONTROL FLOTATION REAGENT FOR LOW-GRADE COPPER SULPHIDE ORE
00: -
The present invention discloses a potential control flotation reagent formula for low-grade copper sulphide ore. The formula of flotation reagent is composed of potential control agents, activators, a collector, and a foamer. The potential control agents are added during the ore grinding process and before adding the activators, and the potential control agents are composed of one or more of inorganic ammonium salts such as ammonium chloride, ammonium sulphate, ammonium nitrate, and ammonium persulphate, or organic ammonium salts such as ammonium acetate, EDTA, and ethylenediamine phosphate, supplemented with one or more of NaCl, CuSO4, CuCl2, FeCl2, NaOH, and HCl.



21: 2024/03603. 22: 2024/05/10. 43: 2024/11/22
51: A61B
71: Taizhou Municipal Hospital
72: Yan Xu, Yingfang Li, Changjun Zheng
54: VENOUS THROMBUS PREVENTION APPARATUS WITH BLOOD FLOW MONITORING FUNCTION AND USE METHOD THEREOF
00: -
The invention belongs to the technical field of medical equipment, and discloses a venous thrombosis prevention apparatus with blood flow monitoring function, which comprises a prevention apparatus housing, wherein a control unit is fixedly installed in the middle of the outer wall of the prevention apparatus housing; the upper end and the lower end of the outer wall of the prevention apparatus housing are fixedly connected with a strap body; and the inner wall of the prevention apparatus housing is provided with a reverse detection sensor. According to the invention, the effect of massaging the legs of patients in different degrees is achieved by arranging the cooperation of the rectangular block and the moving block and other structures; the driving motor drives the connecting shaft to rotate; the rotation of the connecting shaft drives the moving plate to move; the moving plate drives the rectangular block and the connector to move; and the rectangular block constantly collides with the moving block, so that the moving block generates vibrations with different intensities to massage the legs of the wearer, thereby stimulating neuromuscular through the moving block, and increasing the venous blood flow speed and venous flow.

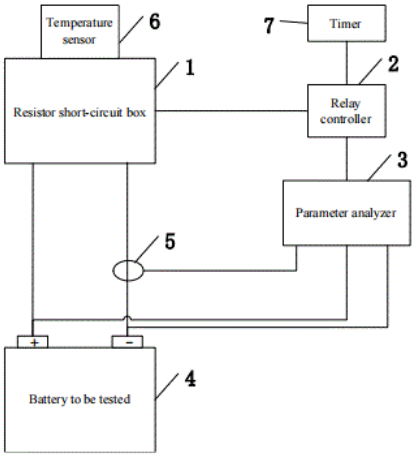


21: 2024/03607. 22: 2024/05/10. 43: 2024/11/22
51: G06T
71: Shanxi Cancer Hospital, Taiyuan University of Technology
72: WANG, Weili, LI, Hongwei, LI, Fenglian, WANG, Suzhe, ZHANG, Hongtao, WU, Zelin
33: CN 31: 202410396998.5 32: 2024-04-03
54: METHOD FOR SEGMENTING MEDICAL IMAGE DATA, DEVICE, AND PRODUCT
00: -
Disclosed are a method for segmenting medical image data, a device, and a product. The method includes acquiring a dataset of anatomical trajectories of cerebral apoplexy lesion; preprocessing the dataset of anatomical trajectories of cerebral apoplexy lesion; constructing Feature Enhanced U-shaped Network (FE-UNet), where the FE-UNet includes an encoder configured to extract image features, a decoder configured to fuse multi scale features and restore segmented images, a skip connection configured to fuse multi-scale features corresponding to different decoders, and a bottleneck unit configured to transmit parameters of the encoder and the decoder; training the FE-UNet using the preprocessed dataset of anatomical trajectories of cerebral apoplexy lesion; and segmenting images to be segmented using the trained FE-UNet. The present invention can effectively learn local and global features of images, establish a semantic information interaction relationship, and improve the segmentation accuracy of regions of interest of the images.



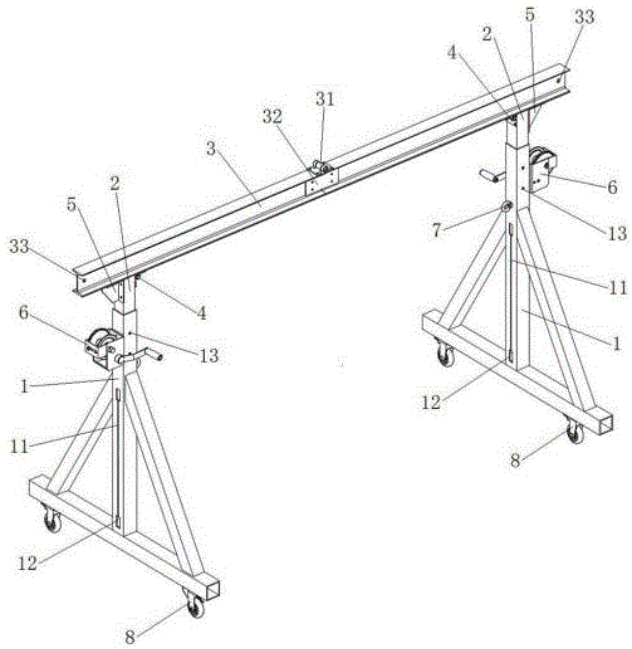
21: 2024/03608. 22: 2024/05/10. 43: 2024/11/22
51: G01R
71: CIMC Huanyu (Shandong) Vehicle Certification Testing Co., Ltd.
72: HUANG, Xiaobo, TIAN, Xiaochong
54: STABLE SHORT-CIRCUIT TESTING DEVICE FOR BATTERY
00: -

The present invention provides a stable short-circuit testing device for a battery. The device includes a resistor short-circuit box, a relay controller, a parameter analyzer, a current sensor, a temperature sensor and a timer, where the resistor short-circuit box is connected in parallel to a battery to be tested to form a short-circuit line, the relay controller is used for controlling the resistor short-circuit box to match a resistance value of a short-circuit resistor according to resistance parameters preset by the parameter analyzer, the temperature sensor is used for measuring a temperature of the short-circuit line, the current sensor is used for measuring an output current of the battery to be tested, and the parameter analyzer is used for measuring an output voltage of the battery to be tested and calculating a resistance value of the short-circuit line.



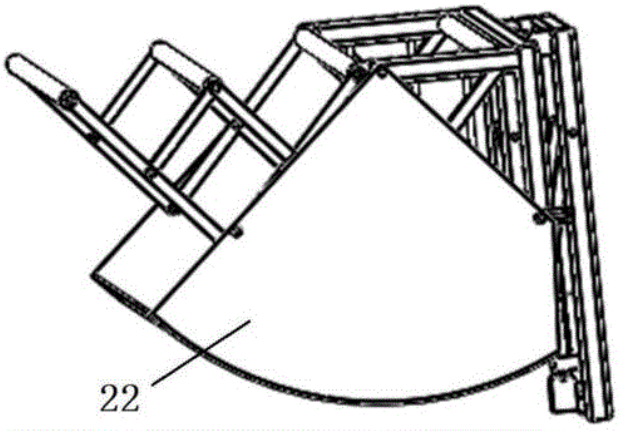
21: 2024/03647. 22: 2024/05/13. 43: 2024/12/05
51: B66C
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: GANTRY LIFTING DEVICE
00: -

The invention discloses a gantry lifting device, which belongs to the field of handling tools, and includes a cross beam and legs arranged at two sides of the cross beam, where the legs include a lifting support rod connected with the cross beam and a fixed leg telescopically matched with the lifting support rod; a lifting mechanism is arranged between the lifting support rod and the fixed leg; the middle of the cross beam is cut off and hinged with each other; the hinged part is connected and fixed through a connecting plate; both ends of the cross beam are respectively connected with the upper part of the lifting support rod through hinge chains; after the connecting plate is removed, the cross beam can be bent downward, so that the legs on both sides of the cross beam can be folded inward. The gantry lifting device of the invention can realize height adjustment according to needs when in use, and is simple and convenient to use; when not in use, the height of the cross beam can be reduced and folded, which reduces the occupied space and is convenient for transportation, simple structure, convenient operation and low cost.



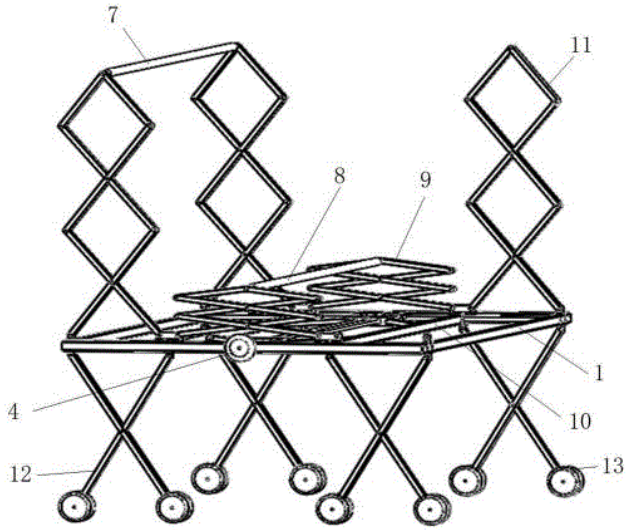
21: 2024/03648. 22: 2024/05/13. 43: 2024/12/05
51: D06F
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: RAIN-PROOF INTELLIGENT EXTENSION TYPE CLOTHES HANGER
00: -

The invention discloses a rain-proof intelligent extension type clothes hanger, which comprises an overturning support frame, a main frame, a first expansion overturning support rod, a second expansion overturning support rod, a connecting shaft, a push rod, a transverse propulsion mechanism, a transverse slider, a vertical slider, a connecting rod, a rain shelter and a scissor extension mechanism and a sensing component. According to the invention, the vertical slider moves upwards to expand the scissor mechanism to drive the clothes drying rod to extend outwards, and at the same time, the rain shelter rotates to the lower part of the main frame; the vertical slider moves downwards to contract the scissor expansion mechanism to drive the rain shelter to rotate to the front of the main frame and cover it in front of the clothes drying rod; at this time, when the push rod extends, the support angle of the expansion rod between the main frame and the support frame increases, so that the main frame can be turned upwards by 90 degrees, and the rain shelter is above the clothes drying rod and achieves the rain shelter function.



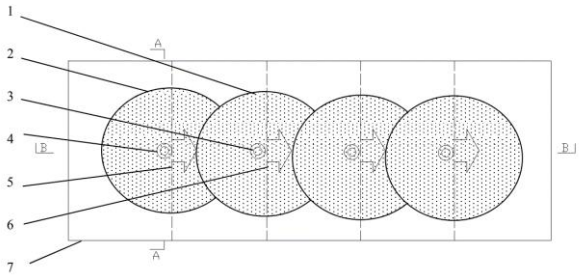
21: 2024/03649. 22: 2024/05/13. 43: 2024/12/05
51: D06F
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: ADJUSTABLE FLOOR-TYPE CLOTHES HANGER
00: -

The invention discloses an adjustable floor-type clothes hanger, which comprises an outer frame, a driving part, a longitudinal slider, a transverse slider, an inclined support rod, a middle scissor support rod, a side scissor support rod and a bottom scissor support rod; the outer frame is provided with a longitudinal guide rail and transverse guide rails; both sides of the longitudinal guide rail are provided with transverse sliding rods, both ends of which are respectively connected with transverse sliders; one end of the inclined support rod is hinged to the longitudinal slider, and the other end is hinged to the transverse sliding rod; one end of the lower part of the middle scissor support rod is hinged to a transverse slider, the other end is hinged to another transverse slider on the same transverse guide rail, and the lower end of the side scissor support rod is hinged to the transverse slider and the other end is hinged to the outer frame. The invention has three clothes drying rods which can be lifted alternately, and the adjustable states include middle lifting, two-side lifting and three clothes drying rods with the same height, thus expanding the drying types and the drying quantity of the floor-type clothes hanger, and making the floor-type clothes hanger more practical.



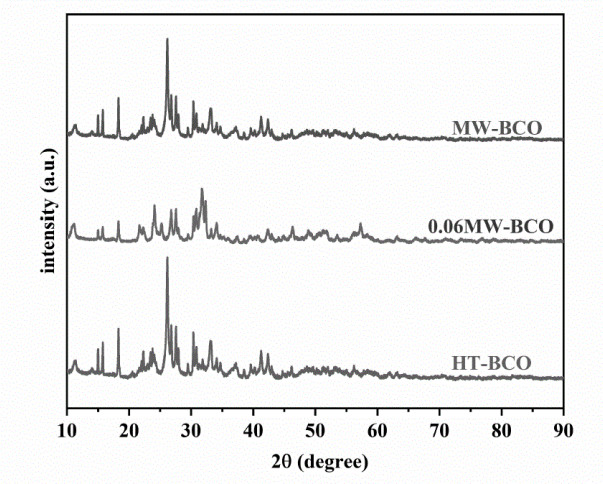
21: 2024/03651. 22: 2024/05/13. 43: 2024/12/05
51: C04B
71: Xinjiang Institute of Engineering
72: Zheng Kaidan, Huang Yanli, Ma Xiaochuan, Yang Changde, Liang Youzhong, Wang Yue
33: CN 31: 2023114192010 32: 2023-10-30
54: A WAX-BASED GROUTING MATERIAL AND METHOD FOR RECONSTRUCTING A WATER BARRIER LAYER DURING MINING OPERATIONS
00: -

This invention discloses a wax-based grouting material and method for reconstructing a water barrier layer during mining operations, involving a protective water barrier layer reconstruction grouting material and method. It belongs to a flowable slurry that can control the solidification time and can be fully filled in the separation layers and fractures generated beneath the aquifers during coal mining. The wax-based grouting material comprises desert sand, talcum powder, and paraffin wax, which are mixed with lubricating oil, heated, and stirred to form the wax-based grouting material. When implementing grouting engineering near the water barrier rock layer, this invention can fill and block voids during the formation of the water barrier layer separation, allowing the injected slurry to uniformly diffuse into the fractures and separation spaces in fluid form, subsequently solidifying into a solid support rock layer, preventing deformation and downward movement of overlying rock layers, thus preventing the loss of water from aquifers. At this point, the grouting material and the original damaged water barrier layer are reconstructed to form a new rock layer with stronger waterproofing properties, ensuring long-term stable protection of aquifers and preventing groundwater loss.



21: 2024/03652. 22: 2024/05/13. 43: 2024/12/06
51: B01J
71: Henan University of Urban Construction
72: Yan Xu, Ma Mengxia, Mao Yanli, Kang Haiyan, Li Yanna, Cui Leqi, Zhu Han, Li Baixin, Bai Wenyu, Zhu Xinfeng, Song Zhongxian, Zhang Xia, Pang Dandan, Zhou Jieqiang
33: CN 31: 2023113004207 32: 2023-10-09
54: A BI2CRO6 OXYGEN-EVOLVING PHOTOCATALYST AND ITS PREPARATION METHOD
00: -

The present invention provides a flower-shaped Bi2CrO6 oxygen-evolving photocatalyst and its preparation method, which belongs to the field of photocatalytic material preparation technology. The method uses bismuth nitrate and potassium chromate as raw materials and employs microwave heating to complete the reaction within a relatively low temperature (100oC) and a short time (2 hs). The preparation method of the present invention is mild, energy-efficient, and requires simple and fast experimental equipment. The obtained Bi2CrO6 photocatalyst samples have uniform size, large specific surface area, and abundant active sites. Additionally, due to the reduced thickness of the flakes, the migration distance of electrons and holes from the semiconductor interior to the surface is shortened, resulting in higher catalytic activity.

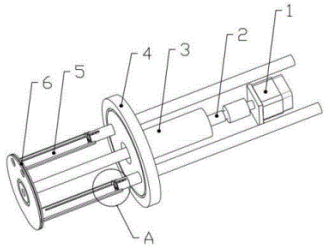


21: 2024/03656. 22: 2024/05/13. 43: 2024/12/06
51: C03B
71: Hunan Yufeng Vacuum Science and Technology Co., Ltd
72: OUYANG, Jie, SHU, Yi, LIU, Guoli, LI, Zan, LI, Guoqiang

54: GETTER SUPPLY APPARATUS FOR VACUUM GLASS PRODUCTION LINE

00: -

The present invention discloses a getter supply apparatus for a vacuum glass production line, which includes a rotary drive shaft, a drive motor, a rotary taking. apparatus, sheet storage apparatuses, and a PLC control apparatus. The rotary drive shaft is connected to the drive motor. The rotary taking apparatus includes a fixed inner disc, a rotary taking disc, and a fixed outer disc. Sheet supply holes and a spring sheet hole are arranged on the fixed inner disc, a sheet taking hole is arranged on the rotary disc, and a heating station hole and a shelling station hole are arranged on the fixed outer disc. Each of the sheet storage apparatus includes a hollow sheet storage tube. A spring is provided in the sheet storage tube, and a getter sheet is placed in the sheet storage tube and pressed tightly by the spring.

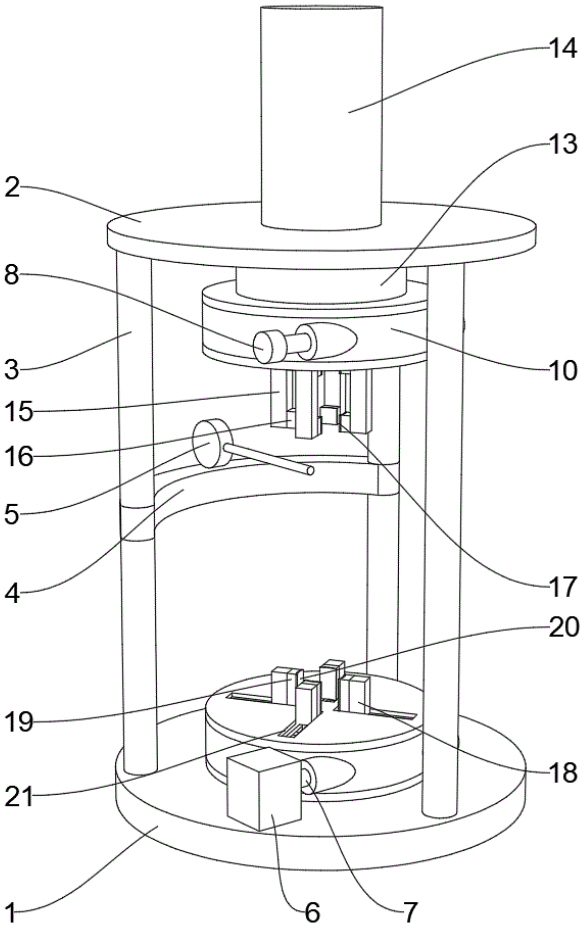


21: 2024/03657. 22: 2024/05/13. 43: 2024/12/06
51: B23P
71: BaiCheng Normal University
72: CUI Changqing, ZHAO Peng, WANG Tianmin, YANG Chunyan, YI Bingqian, LI Guobin, HUANG Xinrui

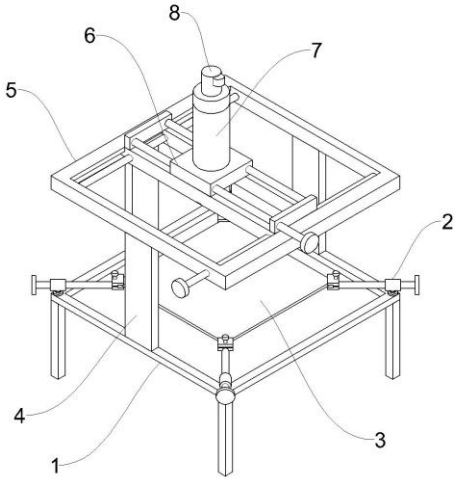
54: GEAR RAPID ASSEMBLY DEVICE FOR MACHINING

00: -

The invention belongs to the technical field of machining, in particular to a gear rapid assembly device for machining, which includes a gear clamping part fixedly connected to the bottom end inside a machine frame, a shaft clamping part correspondingly arranged above the gear clamping part, where the shaft clamping part is located in the machine frame, and a hydraulic cylinder is fixedly connected to the top end of the machine frame, and the output shaft of the hydraulic cylinder passes through the machine frame and is coaxially and rotatably connected with the shaft clamping part, and a concentricity detector is fixedly connected to the machine frame. In the invention, the assembly shaft is fixed in the shaft clamping part, the gear is fixed in the gear clamping part, the assembly shaft and the gear are arranged up and down correspondingly, the clamping part is rotated to detect whether the assembly shaft is skewed by the concentricity detector, and after detection and adjustment, the hydraulic cylinder drives the shaft clamping part to descend, so that the assembly shaft and the gear can be assembled conveniently and quickly, and the problem that the gear and the shaft are not concentric in assembly is avoided.



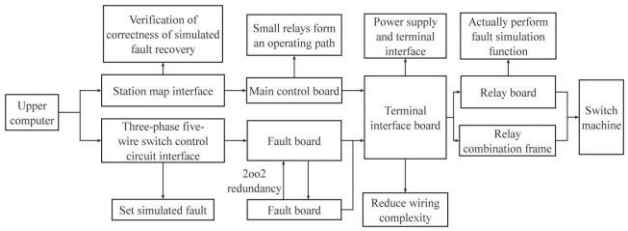
21: 2024/03658. 22: 2024/05/13. 43: 2024/12/06
51: B01L
71: BaiCheng Normal University
72: CUI Changqing, WANG Tianmin, YANG Chunyan, ZHAO Peng, YI Bingqian, LI Guobin, HUANG Xinrui
54: TEST PLATFORM STRUCTURE FOR ENGINEERING MACHINERY DESIGN
00: -
The invention belongs to the technical field of engineering machinery design, in particular to a test platform structure for engineering machinery design, which comprises a specimen mounting frame, wherein the corner of the top surface of the specimen mounting frame is provided with a specimen fixing arm structure, the specimen is detachably connected with four specimen fixing arm structures, the top surface of the specimen mounting frame is fixedly connected with a universal adjusting device mounting frame through a supporting plate, the inner side of the universal adjusting device mounting frame is provided with a universal adjusting structure, The axis of the thread height adjusting cylinder is vertically arranged, the top end of the thread height adjusting cylinder is detachably connected with a control structure, and the bottom end of the control structure is detachably connected with an impact ball, and the impact ball is located inside the thread height adjusting cylinder. By using these structures, the device realizes a test platform structure of engineering machinery design with simple structure, convenient and adjustable position, high precision and flexibility, which can carry out impact tests on most products and judge the reliability more accurately.



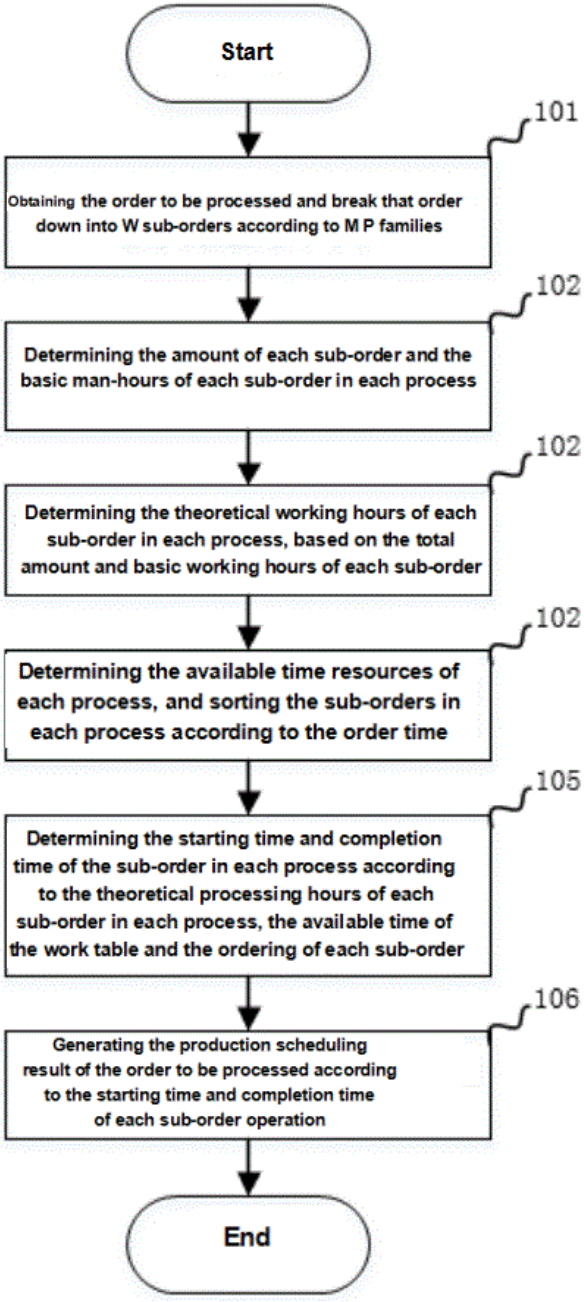
21: 2024/03659. 22: 2024/05/13. 43: 2024/12/06
51: A61K
71: Changchun University of Chinese Medicine
72: GAO, Yang, XU, Duoduo, ZHENG, Wei, ZHANG, Yanqiu, LI, Yinqing, LV, Guangfu
54: IMMUNOPOTENTIATOR AND APPLICATION THEREOF
00: -
The present invention relates to an immunopotentiator and application thereof. The immunopotentiator includes tremella polysaccharide for injection and astragalus polysaccharide for injection. The immunopotentiator of the present invention has good immunopotentiation activity, can be used as an adjuvant, obviously improves immunogenicity of a plurality of vaccines, and is applied to preparation of the plurality of vaccines.

21: 2024/03660. 22: 2024/05/13. 43: 2024/12/06

51: G05B
71: Tangshan University
72: JIN Wenxiang, WANG Jianlong, WANG Jianyu, YAN Tianlong, DOU Xinyu, CAO Yali, WU Jiang, QI Yuxia, SUN Baobin
54: FAULT SIMULATION DEVICE FOR THREE-PHASE FIVE-WIRE SWITCH MACHINE
00: -
The invention relates to a fault simulation device for a three-phase five-wire switch machine, which comprises an upper computer, which is used for setting the fault point of the three-phase five-wire switch machine and sending out a simulated fault instruction; wherein, the upper computer comprises a three-phase five-wire switch control circuit interface for acquiring a three-phase five-wire switch control circuit diagram, setting a fault point in the three-phase five-wire switch control circuit diagram, and sending out a simulated fault instruction or a recovery fault instruction; a low computer is used for receiving a simulated fault instruction and simulating the disconnection fault at the fault point; the low computer includes: a fault board, which is set with a redundancy mode of two-out-of-two, receives a simulated fault instruction or a recovery fault instruction, sends out a control instruction, and simulates the fault through the onboard computer when the upper computer is offline; the relay board is used for receiving control instructions, controlling the small relay to access the fault point and disconnect the circuit where the fault point is located, or controlling the small relay to disconnect the accessed fault point and open the circuit where the fault point is located.



21: 2024/03661. 22: 2024/05/13. 43: 2024/12/06
51: G06Q
71: Shanghai Ocean University
72: CHEN Leilei, LI Jun, JIANG Bo
33: CN 31: 2024100225850 32: 2024-01-08
54: PRODUCTION SCHEDULING METHOD FOR COMPLEX CUSTOMIZATION INDUSTRY
00: -
The invention provides a production scheduling method for a complex customization industry, which includes the following steps: acquiring an order to be processed, and disassembling the order into W sub-orders according to M P families; determining the amount of each sub-order and the basic working hours of each sub-order in each process; determining the theoretical working hours of each sub-order in each process according to the amount and basic working hours of each sub-order; determining the available time resources of each process, and sorting the sub-orders in the task pool of each process according to the order placing time; the invention has the following beneficial effects: through the combined application of zero composition family and order dismantling, the two problems of multiple product varieties and complex order composition in complex customization industry are solved at the same time, and the working hours are converted according to the process of zero composition family and the amount of sub-orders dismantled, and the working hours coefficient is introduced, so that the flexibility and flexibility of working hours calculation are good, and the task pool of each working procedure section is determined in the order of overall process sequence, and the scheduling is based on the earliest starting time.

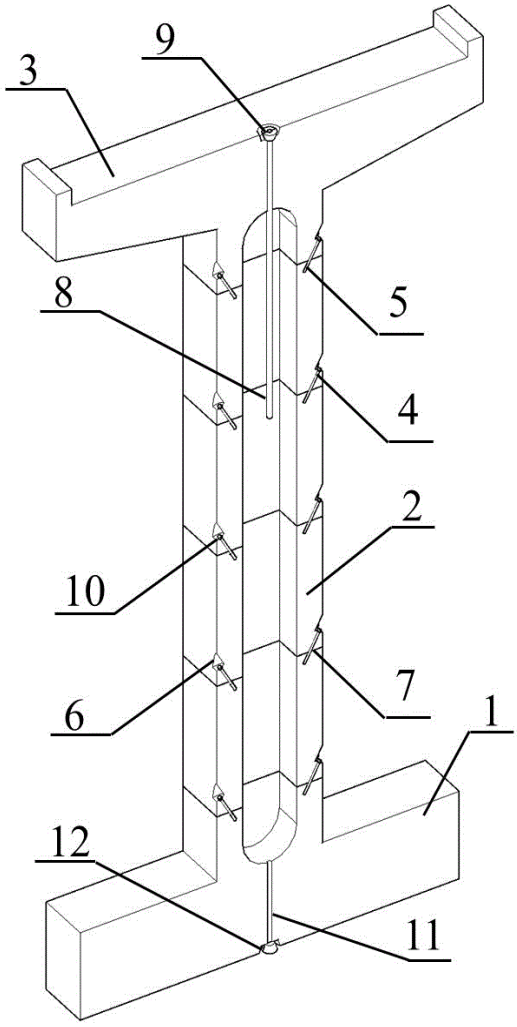


21: 2024/03662. 22: 2024/05/13. 43: 2024/12/06
51: E01D
71: Henan University of Urban Construction
72: HU Guoping, RUAN Xiaoxue, LI Hui, WANG Yuhua, ZHANG Huiyuan, LIU Jiawei, XIA Yingzhi, FAN Zhezhe, LI Changzhe, GUAN Jiayu

54: SEGMENTAL PRECAST CONCRETE HOLLOW PIER OBLIQUE BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF

00: -

The invention relates to the technical field of building bridge engineering, in particular to a segmental precast concrete hollow pier oblique bolt connection structure and a construction method thereof, comprising precast concrete bearing platforms, precast concrete segments, high-strength oblique bolts and obliquely embedded high-strength nuts; the precast concrete bearing platform comprises a pier, and PVC oblique bolt holes and handholes are reserved at the top; PVC oblique bolt holes and handholes are reserved at the upper part and the lower part of the precast concrete segment; the lower part of the precast concrete capping beam comprises a pier, and PVC oblique bolt holes and handholes are reserved at the bottom; between precast concrete caps and precast concrete segments, between precast concrete segments and between precast concrete segments and precast concrete caps, high-strength oblique bolts inserted into PVC oblique bolt holes are connected with obliquely embedded high-strength nuts. The invention can enhance the integrity of segmental precast concrete hollow piers, with few slots, strong shear resistance, rapid construction, low carbon and environmental protection.

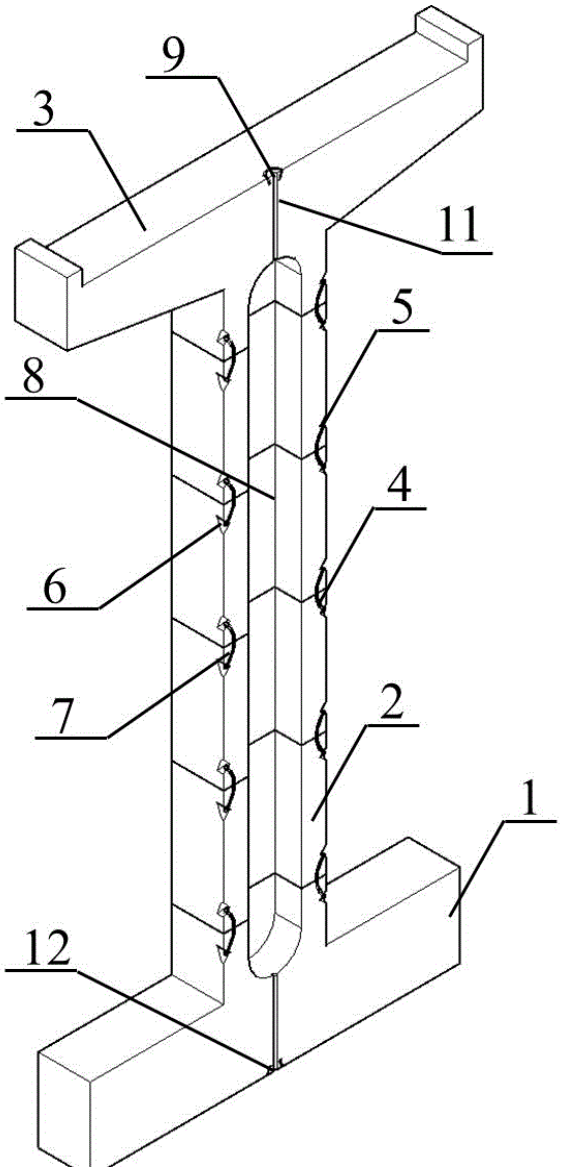


21: 2024/03663. 22: 2024/05/13. 43: 2024/12/06
51: E01D
71: Henan University of Urban Construction
72: HU Guoping, RUAN Xiaoxue, LI Hui, WANG Yuhua, ZHANG Huiyuan, LIU Jiawei, XIA Yingzhi, FAN Zhezhe, LI Changzhe, GUAN Jiayu

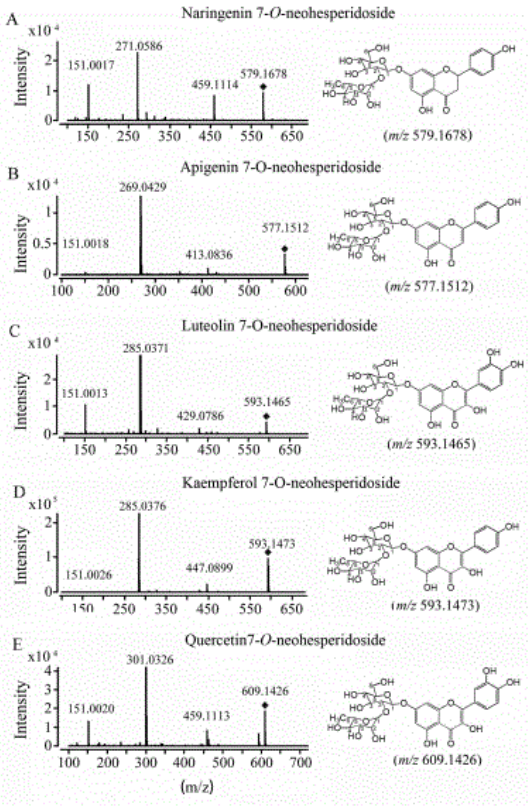
54: SEGMENTAL PRECAST CONCRETE HOLLOW PIER BENT BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF

00: -

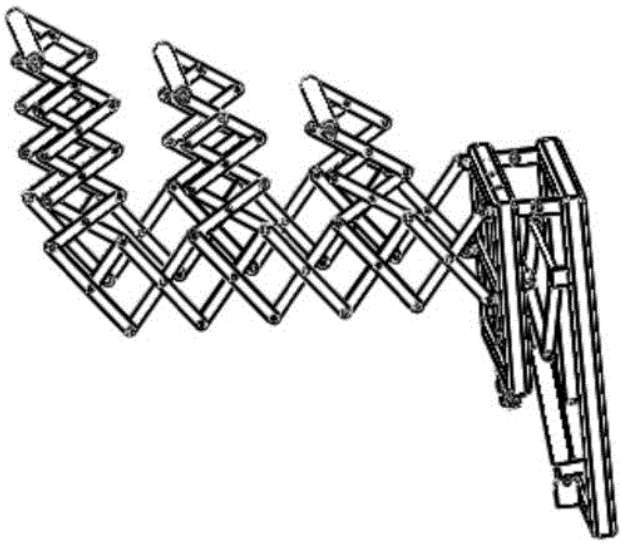
The invention relates to the technical field of building bridge engineering, in particular to a segmental precast concrete hollow pier bent bolt connection structure and a construction method thereof, which comprise precast concrete pile caps, precast concrete segments, high-strength bending bolts, precast concrete capping beams and prestressing tendons; the precast concrete pile cap comprises a pier, and PVC bending bolt holes and hand holes are reserved at the top; PVC bending bolt holes and hand holes are reserved at the upper part and the lower part of the precast concrete segment; the lower part of the precast concrete capping beam comprises a pier, and PVC bending bolt holes and hand holes are reserved at the bottom; the precast concrete pile caps and precast concrete segments, precast concrete segments and precast concrete pile caps are all connected by high-strength bending bolts inserted into PVC bending bolt holes. The invention can effectively enhance the integrity of segmental precast concrete hollow pier, and has strong shear resistance, rapid construction, low carbon and environmental protection.



21: 2024/03666. 22: 2024/05/13. 43: 2024/12/06
51: C12N
71: Guizhou University
72: DAI, Xinlong, ZHOU, Xingrong, MA, Jie, YANG, Changli, TIAN, Fengyun, CHEN, Mei, XIE, Youshudi, YANG, Yanfen, CHEN, Dingli, HUANG, Qiyu
54: METHOD FOR SYNTHESIZING FLAVONOID 7-O-NEOHESPERIDIN
00: -
The present invention belongs to the technical field of bioengineering, and particularly relates to a method for synthesizing flavonoid 7-O-neohesperidin using flavonoid 7-O-glucose-1,2-rhamnosyl transferase as a catalyst to catalyze the reaction of naringenin 7-O-glucoside, apigenin 7-O-glucoside, luteolin 7-O-glucoside, kaempferol 7-O-glucoside, or quercetin 7-O-glucoside and UDP-rhamnose, and under suitable enzymatic conditions, the substrate can be efficiently converted into corresponding flavonoid 7-O-neohesperidin. As demonstrated by the examples, the present invention achieves efficient biosynthesis of flavonoid 7-O-neohesperidin through optimization of enzymatic reaction conditions.



21: 2024/03668. 22: 2024/05/13. 43: 2024/12/06
51: D06F
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: REVERSIBLE DISTANCE-ADJUSTABLE CLOTHES HANGER
00: -
The invention discloses a reversible distance-adjustable clothes hanger, which comprises a main frame, a support frame, a first expansion support rod, a second expansion support rod, a slider driving mechanism, a first scissor support rod, a second scissor support rod, a connecting shaft and a push rod. According to the invention, through the special connection structure design between the main frame and the support frame, the main frame can drive the clothes drying main body to turn over integrally, and the linkage structure design of the main frame and the two scissor support rods enables the height of the outdoor clothes drying rod to rise and fall in linkage. When the outward-extending scissor rod groups expand, the three laterally-extending scissor rod groups are in a retracted state; when the scissor rod group extending outward retracts, three groups of laterally extending rod groups expand, and the clothes drying rods are raised from the inside to the outside. At this time, the electric linear push rod of the overturning device can also be extended to overturn the main frame by 90 degrees, so that the clothes drying rods are indoors and clothes can be hung more easily.



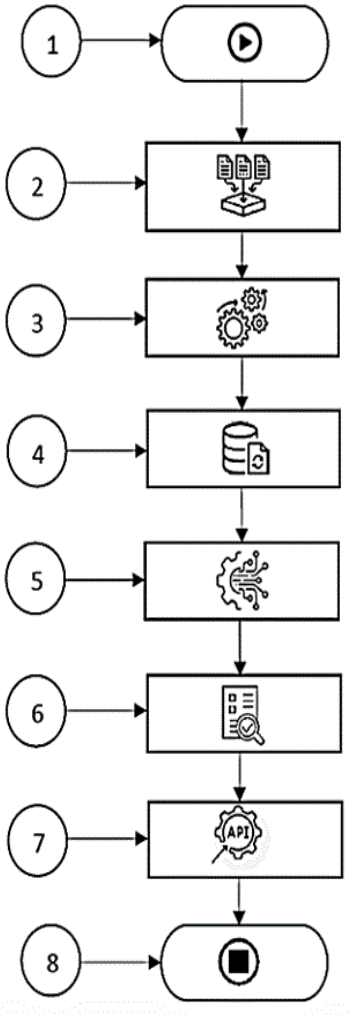
21: 2024/03672. 22: 2024/05/13. 43: 2024/11/22
51: G06N

71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: KHADE, Omkar Rajkumar, KADAM, Yash Ravindra, SHEVATRE, Sandhya P., KSHIRSAGAR, Ketki P., MAHALLE, Parikshit Narendra, AMBHORE, Vishal, PATIL, Suraj Raghunath

54: A MACHINE LEARNING BASED MENTAL DISORDER PREVALENCE FORECASTING SYSTEM

00: -

The present invention is related to a machine learning-based mental disorder prevalence forecasting system specifically focusing on country-wise predictions. Utilizing a comprehensive dataset encompassing mental disorder prevalence rates across various countries from 1990 to 2016, the system incorporates a data pre-processing module to aggregate and prepare the data for subsequent model training. A Model Training Module employs regression models such as random forest, decision tree, and linear regression, while a model evaluation module assesses and selects the most effective model based on metrics like R-squared score and root mean squared error (RMSE). The integrated model is deployed in a Streamlit web application, offering a user-friendly interface that allows individuals, including researchers, policymakers, and healthcare professionals, to input specific countries and years and receive real-time predictions on mental disorder prevalence. Overall, the invention contributes to informed decision-making in mental health research, resource allocation, and policy planning.



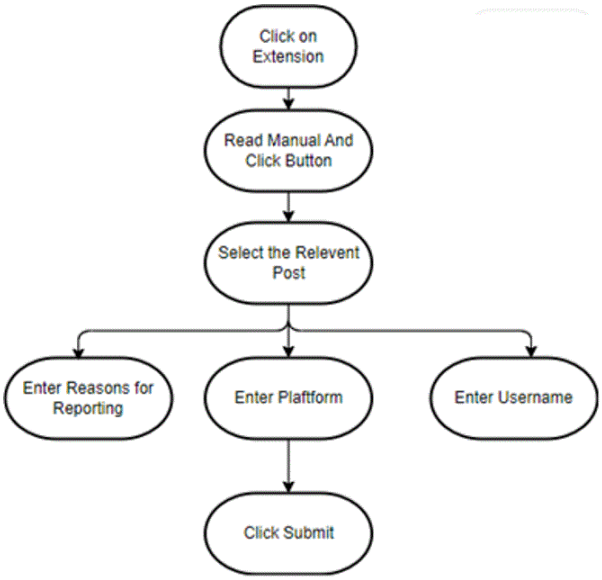
21: 2024/03673. 22: 2024/05/13. 43: 2024/11/22
51: G06T
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: SHELKE, Priya Makarand, CHOPADE, Yash Sandeep, GOBADE, Sahil Sudhir, DESHPANDE, Prathmesh Abhayrao, BHALDAR, Zaid Zulfikar, SHEWALE, Chaitali, MAHAJAN, Rupali

54: AN INAPPROPRIATE IMAGE IDENTIFIER AND REPORTER SYSTEM

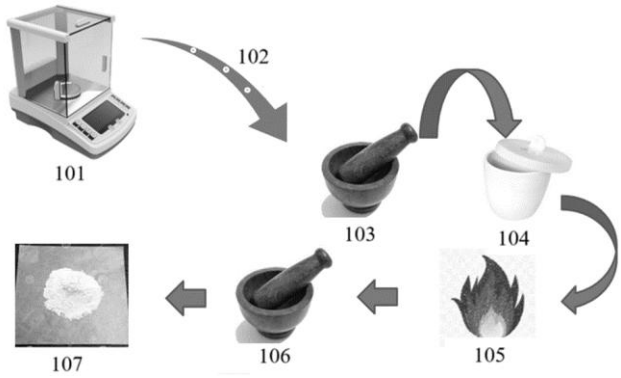
00: -

The present invention relates to an inappropriate image identifier and reporter system. The system is a novel web extension that empowers users to anonymously report inappropriate content across the web. It utilizes two machine learning models to verify the reported content, ensuring accuracy and reducing false positives. The proposed system goes beyond existing technology by offering guaranteed anonymity, user-driven model improvement, and a

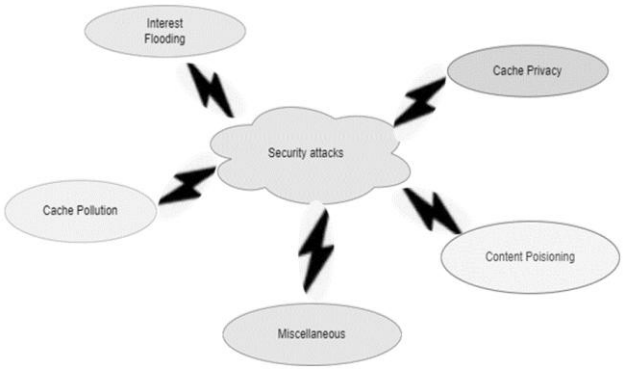
one-stop solution for reporting content across various platforms. The proposed system creates a safer online environment and empowers users to take an active role in shaping a cleaner and more positive digital landscape.



21: 2024/03674. 22: 2024/05/13. 43: 2024/11/22
51: C09K
71: ANSARI, Esarat, PATLE, Shruti K., UGEMUGE, Nilesh S., SHARMA, Ravi, DHOBLE, Sanjay J.
72: ANSARI, Esarat, PATLE, Shruti K., UGEMUGE, Nilesh S., SHARMA, Ravi, DHOBLE, Sanjay J.
54: A PROCESS FOR SYNTHESIS OF K3GD(PO4)2: SM3+, EU3+, DY3+ PHOSPHOR FOR WHITE LIGHT EMITTING DIODES
00: -
The present invention is related to a process for synthesis of K3Gd(PO4)2: Sm3+, Eu3+, Dy3+ phosphor for white light emitting diodes. The process involves a solid-state reaction route using high-purity materials, followed by X-ray powder diffraction to confirm crystal structure. Photoluminescence analysis reveals emission peaks corresponding to various ions crucial for white light generation. The synthesized phosphor demonstrates promising characteristics, including close proximity to standard white light coordinates and enhanced color rendering index (CRI) values. steps such as material weighing (101), crushing and mixing (103), furnace processing (105), and obtaining the final product (107). This innovative synthesis approach offers stability and superior performance, potentially advancing LED technology for improved lighting efficiency and quality.

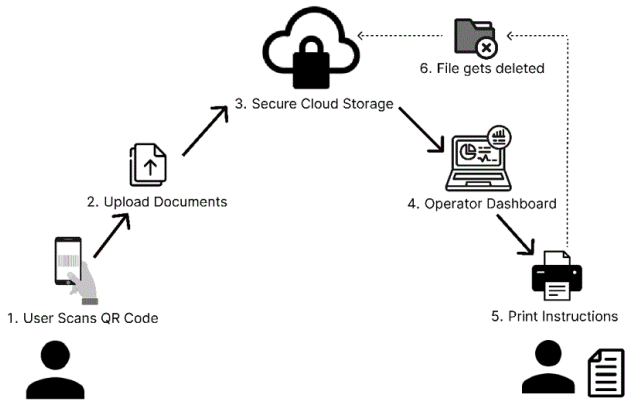


21: 2024/03677. 22: 2024/05/13. 43: 2024/11/22
51: H04L
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: MIRAJKAR, Riddhi R., SHINDE, Gitanjali R., MAHALLE, Parikshit N., SABLE, Nilesh P.
54: AN ATTACK RESISTANT SECURITY SYSTEM IN NAMED DATA NETWORKING
00: -
The present invention relates to an attack resistant security system in named data networking. Further, the proposed system related to Named Data Networking (NDN) gains prominence as a content-centric communication paradigm, the need for robust security measures to safeguard data in transit becomes increasingly crucial. The proposed system meticulously crafted for NDN to mitigate security vulnerabilities and shield data from potential threats. The system encompasses encryption, digital signatures, access control, trust management, secure name resolution, anomaly detection, and key management mechanisms. Through the synergy of these components, the system aims to fortify NDN against unauthorized access, data tampering, and other security breaches, ensuring the confidentiality, integrity, and authenticity of data as it traverses the NDN environment. This comprehensive approach not only addresses existing security challenges in NDN but also lays the foundation for a resilient and secure content-centric communication infrastructure.



21: 2024/03678. 22: 2024/05/13. 43: 2024/11/22
51: G06Q
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: WAWAGE, Pawan S., RAMTIRTHKAR, Chandrashekhar R., DESHPANDE, Abhijeet R., ANERAO, Prashant, SOMATKAR, Avinash, KURULEKAR, Mahesh, MUNDADA, Kapil, BHISE, Suhas
54: A SYSTEM FOR ENGINEERING COLLEGE RECOMMENDATION BASED ON MHT-CET AND JEE SCORES
00: -
Presently, all candidates applying for engineering programs must comply with the centralized admission process (CAP) established by the MH-CET cell. As part of CAP requirements, engineering applicants must register on the admissions portal and upload essential documents for verification. In each phase of the admission process, candidates are obliged to submit a preference list of institutions. Maharashtra hosts over 767 engineering institutions offering more than 5000 courses, providing extensive educational opportunities in engineering. However, selecting top engineering colleges based on merit scores or percentiles poses a challenge for aspiring students. They encounter difficulty in narrowing down choices based on their preferences and examination scores. Accessing comprehensive information in a single source becomes a daunting task for students. A system for engineering college recommendation based on MHT-CET and JEE scores is proposed to help students choose the best college based on their academic standing, interests, and personal preferences. The system creates tailored recommendations for students based on their exam results, interests, rank, and caste category.

21: 2024/03679. 22: 2024/05/13. 43: 2024/11/22
51: G06F
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: SAKHARE, Nitin, DESHMUKH, Vishwesh, BHOSALE, Anushka Anant, CHOPADE, Animish Balkrishna, KULKARNI, Vrushabh Sudarshan
54: A SYSTEM FOR CONVENIENT AND SECURE DOCUMENT TRANSFER TO LOCAL PHOTOCOPY CENTERS
00: -
The present invention relates to a system for convenient and secure document transfer to local photocopy centers. Further, the present invention discloses a cloud-based web system that not only simplifies file sharing but also enhances security. The proposed system features a user-friendly interface and a streamlined authentication mechanism to ensure a secure file-sharing process. Implementing modern technology, it utilizes react for the frontend, express and node for the backend, and MongoDB for the database. Temporary file storage is handled by Amazon Web Services S3 Service. The proposed invention provides a solution for secure document sharing in the digital age. It outlines the systems' architecture and implementation, offering a solution to security and convenience challenges associated with traditional practices.



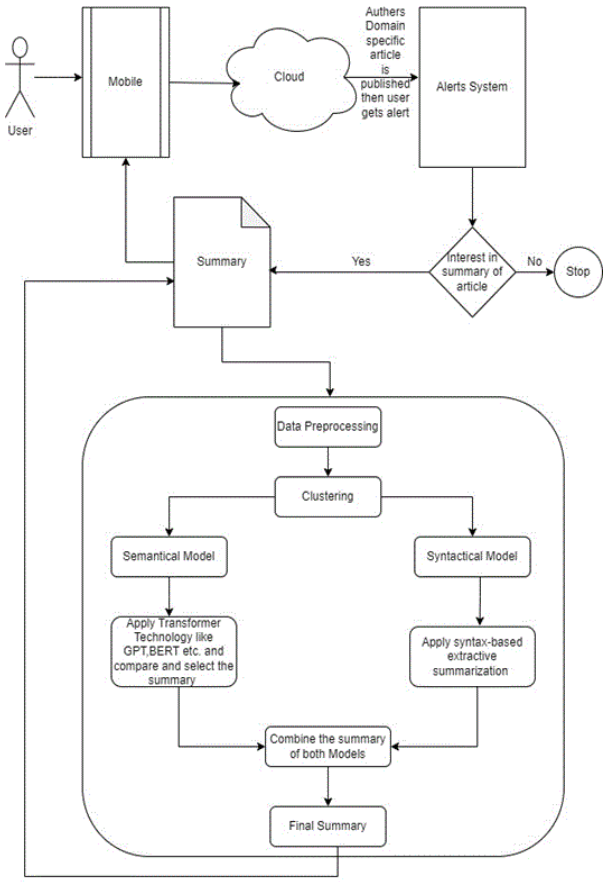
21: 2024/03680. 22: 2024/05/13. 43: 2024/11/22
51: G06Q
71: SONAR, Nandkishor Balaji, PRADHAN, Vijaya Sitaram
72: SONAR, Nandkishor Balaji, PRADHAN, Vijaya Sitaram
54: A TOTAL WEIGHTAGE SCORE SYSTEM FOR REAL ESTATE PROPERTY VALUATION

00: -
The present invention related to a total weightage score (TWS) system for real estate property valuation. real estate property valuation is usually done in a report format by visiting the concerned site, recording observations, making enquiries about prevailing rates, quoting a suitable rate by judgement and finalizing the value of that property. This stated value is calculated manually and is purely based on the valuer's judgement. Present invention attempts to develop a computerized framework which will guide through the Real estate property valuation process. Here, a questionnaire survey regarding the factors affecting value will be done to shortlist the most prominent indicators of value. This will guide in preparing a standard Weightage Criteria Table, which will further assist in calculating the Total Weightage Score (TWS) of each property. The hedonic regression method will then be used to determine the value of property based on the calculated Total Weightage Score.

21: 2024/03681. 22: 2024/05/13. 43: 2024/11/22
51: G01R
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: MORE, Mayur Rajendra, SARODE, Jayesh Nitin, PANCHBHAYYE, Amey Vishwas, SHARMA, Govind Rajesh, BHAGWAT, Smita Hanmant, CHAVAN, Rohini Abhijeet
54: A SYSTEM AND METHOD FOR CALCULATION OF STATE OF HEALTH OF LI-ION BATTERY
00: -
The present invention relates to a method for calculation of state of health of Li-ion battery. Further, the proposed invention discloses an innovative methodology for State of Health (SoH) assessment in battery diagnostics, transcending traditional temporal constraints. By meticulously analyzing raw datasets, the proposed method employs a record time splitting technique, accurately calculates charge cycles, and computes energy stored with precision. Leveraging a sophisticated windowing algorithm, the proposed method selects specific charge cycle intervals for granular analysis. The Cumulative Window Units parameter facilitates a thorough examination of cumulative energy consumption patterns. The proposed method SoH formula, drawing on cumulative units from the dataset and a best performance dataset, offers an objective, adaptable, and precise approach to battery health assessment. The proposed method pioneers a time-independent, data-driven paradigm in battery diagnostics, presenting a breakthrough in SoH evaluation.



21: 2024/03682. 22: 2024/05/13. 43: 2024/11/22
51: G06F
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: SHINDE, Gitanjali R., DABADE, Manisha Sachin, MAHALLE, Parikshit N., SABLE, Nilesh P., KHARATE, Namrata
54: A CLOUD-BASED SYSTEM FOR IMPROVED AUTOMATIC TEXT SUMMARIZATION VIA SEMANTIC AND SYNTACTICAL APPROACHES
00: -
The present invention relates to a cloud-based system for improved automatic text summarization via semantic and syntactical approaches. Further, the proposed invention discloses a unique system that enhances automatic text summarization by integrating syntactic and semantic approaches inside a cloud environment. The system improves the relevance and accuracy of generated summaries by combining these two methods. The technology guarantees effective processing and storage for extensive summarizing jobs by utilizing cloud resources. The study describes an enhanced automatic text summarization system that combines syntactical and semantic approaches in a cloud-based architecture.

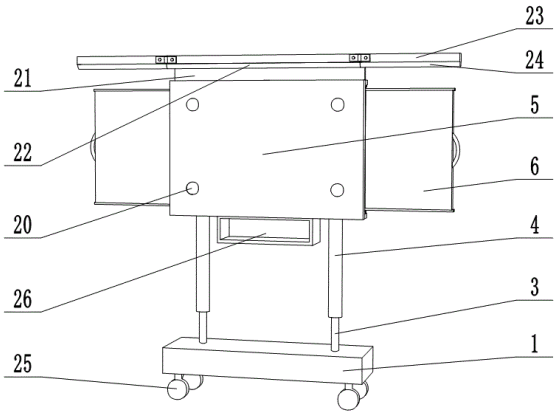


21: 2024/03683. 22: 2024/05/13. 43: 2024/11/22
51: G06N
71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
72: WAYKOS, Prajwal Pravinkumar, SHAH, Vedanshi, AHERKAR, Sakshi Rajesh, JADHAV, Varsha, MAHALLE, Parikshit Narendra, INGLE, Yashwant Sudhakar
54: A MACHINE LEARNING BASED SYSTEM TO ESTIMATES NUMBER OF COUNTERS PROBLEM
00: -
The present invention relates to a machine learning based system to estimates number of counters problem. The thriving retail industry depends on efficient operations and a seamless consumer experience. Accurately forecasting client flow and figuring out how many counters are necessary might be the difference between happy and disgruntled customers in this dynamic environment. A tactical solution that not only overcomes this difficulty but also gives structure to the complexity of multi-tiered retail systems is hierarchical forecasting. The fundamental understanding of hierarchical forecasting is that different degrees of aggregation are a part of retail operations. Each layer contributes to the complex web of the retail ecosystem, from small outlets to citywide branches and overall regional performance. In recognition of these interdependencies, hierarchical forecasting offers a methodical approach to forecast billing counter requirements at each level.

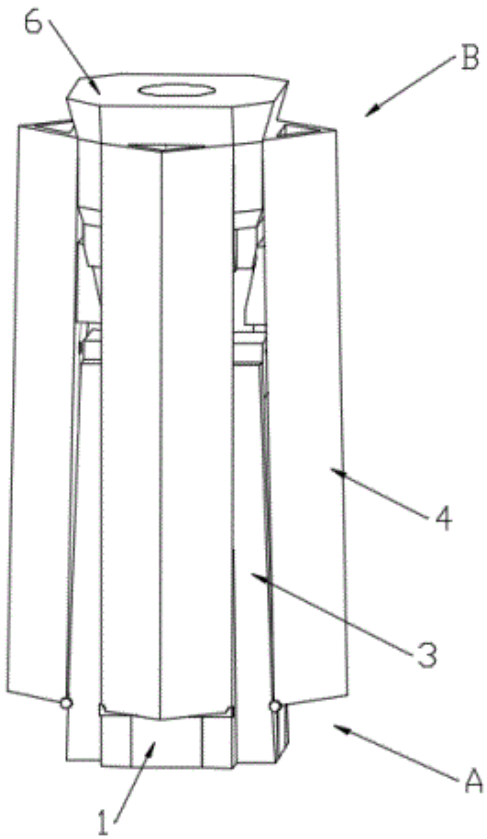
21: 2024/03689. 22: 2024/05/13. 43: 2024/12/06
51: G06Q
71: CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, CHECC DATA CO., LTD., BEIJING GUODAOTONG HIGHWAY DESIGN AND RESEARCH INSTITUTE CO., LTD, TONGJI UNIVERSITY
72: HOU, Yun, CUI, Yuping, LIU, Chun, ZHANG, Yunling, DONG, Yuanshuai, YU, Haichen, WU, Hangbin, HE, Naiwu, DENG, Xiaolong, SONG, Hongxia, CUI, Li, ZHANG, Peng
33: CN 31: 202210481059.1 32: 2022-05-05
54: DISASTER CLASSIFICATION METHOD FOR LANDSLIDES AND COLLAPSE, AND ELECTRONIC DEVICE
00: -
The present invention belongs to the field of geological disaster classification. Disclosed are a disaster classification method for landslides and collapse, and an electronic device. The method comprises: step one, acquiring the topographical distribution of a surface mountain and the hillside elevation data of same, calculating a hillside slope and performing statistical analysis; step two, defining, regarding landslides and collapse, a critical value k; and step three, when k is greater than a threshold value, determining a mountain disaster to be a landslide, otherwise, determining same to be collapse. By means of the present invention, accurate collapse and landslide classification can be realized by means of acquiring a digital elevation model (DEM) for geological disasters, without the need of performing manual field survey, thereby saving on a large amount of manpower and time, and improving safety guarantees.

21: 2024/03708. 22: 2024/05/14. 43: 2024/12/06
51: G09B
71: Shantou Polytechnic
72: HE Guanwei
54: DISPLAY DEVICE FOR MANAGEMENT TEACHING

00: -
The invention discloses a display device for management teaching, belonging to the technical field of teaching equipment, which comprises a base, a bidirectional motor is fixedly connected in the base, two output ends of the bidirectional motor are respectively connected with a screw in a transmission way, the two screws are symmetrically arranged, and the screws are perpendicular to the base; the top end of the screw extends out of the top surface of the base and is rotatably connected with the top surface of the base, the screw is externally threaded with a sleeve, the top of the two sleeves are fixedly connected with a center plate, and the back surface of the center plate slides symmetrically and slidably connected with two side plates. The invention can adjust the height to adapt to users with different heights, and can also draw out the side plates to make up for the space shortage of the center plate.

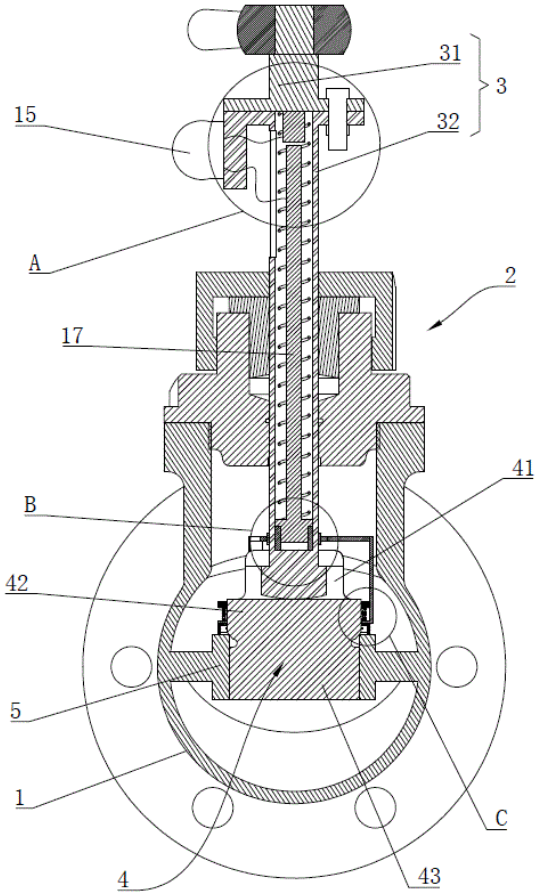


21: 2024/03714. 22: 2024/05/14. 43: 2024/12/06
51: B31B
71: Wen Jiang
72: Wen Jiang
33: CN 31: 2023117440597 32: 2023-12-19
54: INNER MOLD USED IN PACKING BOX MOLDING MACHINE AND BUBBLE PRESSING MACHINE
00: -
The invention discloses an inner mold used in packing box molding machine and bubble pressing machine, comprising spaced and coaxially arranged cross-shaped lower base, cross-shaped upper base, wherein the length and width of cross-shaped upper base is smaller than that of the cross-shaped lower base, cross-shaped lower base and cross-shaped upper base are connected by four diagonal bracing bars, at the same time, there are four triangular spreading modules set outside the cross-shaped lower base, the bottom of the lower section of the triangular spreading modules is hinged with the cross-shaped lower base, the middle of the upper section is attached to the outer wall of the cross-shaped upper base through the tensioning structure. The initial state of the whole mold of the invention is conical, when the box enters the mold, the mold shrinkage end is smaller and will not crash the box; after the box enters the mold, mechanical expansion movement is realized through the spreading drive mechanism driving the four triangular spreading modules, since the expansion mold is angular, the box after bubble pressing machine or molding is square without air bubbles, and has excellent effect.



21: 2024/03715. 22: 2024/05/14. 43: 2024/12/06
51: F16K
71: Wenzhou Polytechnic
72: PAN Shuwei
54: AN EMERGENCY LEAK PROOF VALVE
00: -

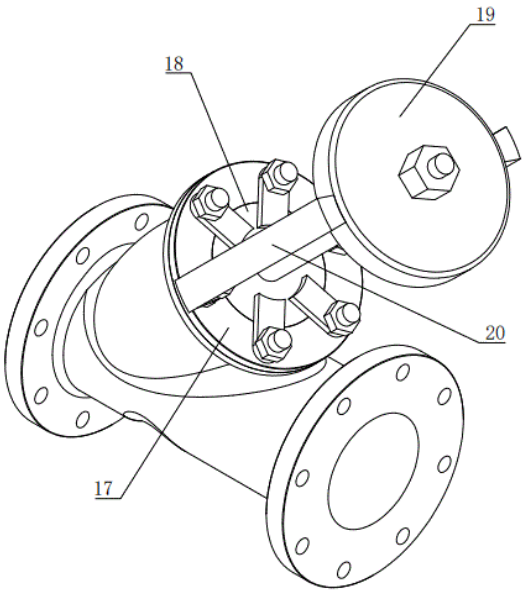
The present invention discloses an emergency leak proof valve, comprising a valve body and a top opening; The valve cover is sealed and connected to the top opening of the valve body; Valve disc, connected to the bottom of the valve stem and located inside the valve body; It also includes a leak proof component, which is set on the valve disc. The valve disc is composed of a first connecting part, a cylindrical part, and a cross plate part. The leak proof component includes a sealing ring, a limiting ring, a sealing ring, and a blocking ring. The limiting ring and blocking ring are fixed on the cylindrical part, and the sealing ring sliding sleeve is set on the cylindrical part. The blocking ring sliding sleeve is set on the side of the sealing ring away from the limiting ring, and the sealing ring sliding sleeve is set on the cylindrical part. The sealing ring is located between the sealing ring and the limiting ring, and a first spring is set between the sealing ring and the limiting ring. The first spring is set on the cylindrical part, and the sealing ring is composed of a horizontal ring and a vertical ring. The horizontal ring is equipped with a Through hole. Solved the problem of not being able to visually determine whether the valve is leaking and emergency leak prevention in existing technology.



21: 2024/03716. 22: 2024/05/14. 43: 2024/12/06
51: F16L
71: Wenzhou Polytechnic
72: PAN Shuwei
54: A PRE FILTRATION VALVE
00: -

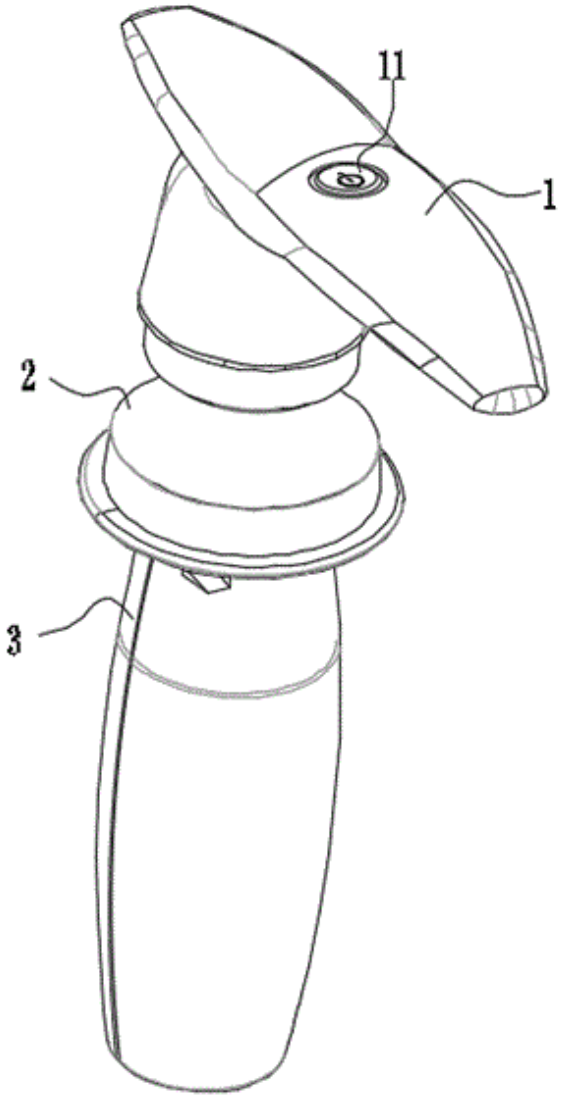
The present invention discloses a pre filtration valve, comprising a valve body, wherein the valve body comprises an inlet pipe, an outlet pipe, and an installation pipe. The inlet pipe and the outlet pipe are coaxially arranged, and the angle between the axis of the installation pipe and the axis of the outlet pipe is acute. The installation pipe is connected to the inlet pipe, and the outlet pipe is connected to the installation pipe through the side wall of the installation pipe. The installation pipe is equipped with a sealing structure and a filtering structure, and the liquid enters the installation pipe through the inlet pipe and then enters the outlet pipe through filtering. The sealing structure is used to seal the connection between the inlet pipe and the installation pipe. Solved the problem of complex pipeline installation

structure caused by the independence of valves and filters in existing technologies.



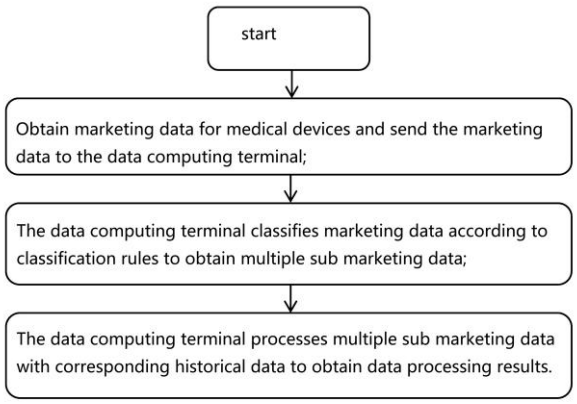
21: 2024/03737. 22: 2024/05/15. 43: 2024/12/06
51: A61K
71: Songbai Zhong
72: Songbai Zhong
33: CN 31: 2023113245152 32: 2023-10-13
54: FORMULA FOR TREATING TUMORS
00: -
The invention discloses a formula for treating tumors, comprising the following raw materials in parts by weight: 5 grams to 50 grams of Fritillaria cirrhosa, 5 grams to 50 grams of Pinellia ternata, 5 grams to 50 grams of Wild Zizania, 5 grams to 50 grams of Frankincense, 5 grams to 50 grams of Bletilla, 5 grams to 50 grams of Anemarrhena, 5 grams to 50 grams of Pollen, 5 grams to 50 grams of Chinese Honeylocust Spine and 5 grams to 50 grams of Honeysuckle. By adopting a combination of the Fritillaria cirrhosa, Pinellia ternata, Wild Zizania, Frankincense, Bletilla, Anemarrhena, Pollen, Chinese Honeylocust Spine, Honeysuckle mentioned hereinabove, the invention provides a formula that can effectively treat tumors. The tumor formula mentioned hereinabove adopts pure components of traditional Chinese medicine with no toxic or side effects, which can avoid the pain caused by Western medicine to patients during the treatment process. Moreover, the formula mentioned hereinabove can play a preventive role before the formation of tumors, and can play a role in defusing, clearing and excreting during the formation of tumors, it can be taken together with decoction when tumor lesions occur.

21: 2024/03738. 22: 2024/05/15. 43: 2024/12/06
51: A63B
71: Changzhou Maternal and Child Health Care Hospital
72: Xuexia YU, Xiao WANG, Na QIN
54: POSTPARTUM PELVIC FLOOR MUSCLE RECOVERY TRAINING DEVICE
00: -
The present invention discloses a postpartum pelvic floor muscle recovery training device. The postpartum pelvic floor muscle recovery training device includes: a bent holding part of which the cross section is of a T-shaped structure, a connecting end which is arranged below a T head of the bent holding part, a muscle expansion trainer which is mounted below the connecting end and is placed at a preset position of the female vagina pelvic floor muscle part during use, a touch unit which is arranged on the surface of the bent holding part and is electrically connected with the muscle expansion trainer and used for controlling the start and stop of the muscle expansion trainer, a pressure sensing module which is mounted at an expansion part of the muscle expansion trainer and is used for monitoring and acquiring the contact pressure between the expansion part of the muscle expansion trainer and the pelvic floor muscle, a control system which is arranged in the bent holding part and is internally provided with a calibration module, a storage unit which is connected to the control system, and a training module which is arranged in the control system.



21: 2024/03773. 22: 2024/05/16. 43: 2024/12/06
51: C08L
71: XIONG, Guangping
72: XIONG, Guangping
54: ENVIRONMENT-FRIENDLY COLORED SHOE MATERIAL PARTICLES AND MANUFACTURING METHOD THEREFOR, AND ENVIRONMENT-FRIENDLY COLORED SOLE AND MANUFACTURING METHOD THEREFOR
00: -
The present invention provides an environment-friendly colored shoe material particles and a manufacturing method therefor, and an environment-friendly colored sole and a manufacturing method therefor. The environment-friendly colored shoe material particles provided by the present invention have different colors, and the colors are owned by the environment-friendly colored shoe material particles, such that the shedding phenomenon does not occur. The environment-friendly colored shoe material particles manufactured by the manufacturing method provided by the present invention are used as raw materials, and a surface of the manufactured environment-friendly colored sole has multi-color dots with different colors, showing a colorful effect. Moreover, polyolyaltha olfin elastomer (POE) and ethylene-vinyl acetate copolymer (EVA) are added into the environmentally-friendly colored shoe material particles provided by the present invention are simultaneously, such that wear resistance, tensile strength and elongation at break of the environmentally-friendly colored shoe material particles are improved.

21: 2024/03779. 22: 2024/05/16. 43: 2024/12/06
51: G06Q
71: Henan Kangduo Pharmaceutical Technology Co., Ltd
72: Wu Zhanrong, Ouyang Yongmei, Zhong Haibin
54: A PROCESSING METHOD FOR MEDICAL DEVICE MARKETING DATA
00: -
The present invention discloses a processing method for marketing data of medical devices, effectively solving the problem of decreased accuracy in judging sales prospects due to significant randomness in human experience. The marketing data provided by the present invention for obtaining medical devices is sent to a data computing terminal, which classifies the marketing data according to classification rules to obtain multiple sub marketing data; The classification rules are preset on the data computing terminal, which processes multiple sub marketing data and corresponding historical data separately to obtain data processing results, ensuring the accuracy of the obtained data processing results.

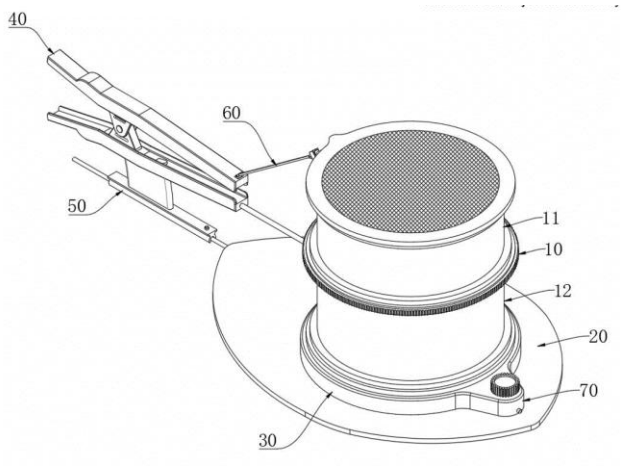


21: 2024/03780. 22: 2024/05/16. 43: 2024/12/06
51: A01K
71: Liaoning Academy of Agricultural Sciences
72: Xu Lei, Zhao Tong Hua, Xu Guo Qing, Zhong Tao
33: CN 31: 2023108503120 32: 2023-07-12

54: A LEAF-CLAMPING INSECT CAGE FOR FIELD BIOLOGICAL DETERMINATION

00: -

This invention relates to the field of insect observation technology, specifically disclosing a leaf-clamping insect cage for field biological determination, comprising an insect cage body and a clamp. The insect cage body includes a first cage body and a second cage body, with the two ends of the clamp connected to the first cage body and the second cage body respectively. It also includes a suction cup mechanism and a control seat. By setting up a suction cup mechanism and a control seat at the bottom of the insect cage body, the invention increases the vacuum degree between the bottom of the insect cage body and the leaf by setting up a suction cup mechanism and a control seat at the bottom of the insect cage body. The suction cup mechanism includes a base and a rotating ring, with several air holes opened at the bottom of the base, and the rotating ring connected to the base through a locking structure. Additionally, a driving mechanism is set up on the control seat to extract the internal air of the air hole and close the locking structure. This action stabilizes the placement of the insect cage body on the leaf.

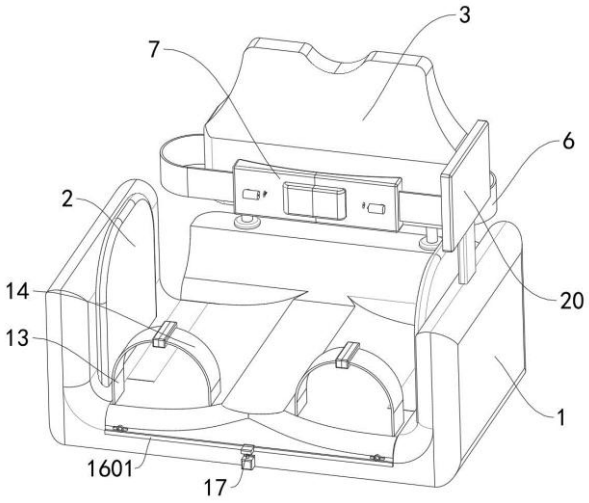


21: 2024/03784. 22: 2024/05/16. 43: 2024/12/09
51: A61H
71: Taizhou Municipal Hospital
72: Yan Xu, Zhihong Chai, Yanfei Tao, Changjun Zheng

54: AUXILIARY TRAINING DEVICE FOR PELVIC FLOOR MUSCLE RECOVERY AND USE METHOD THEREOF

00: -

The invention belongs to the technical field of pelvic floor muscle recovery, and discloses an auxiliary training device for pelvic floor muscle recovery and a using method thereof. The clamping air cushion is arranged at the inner sides of both ends of the pelvic floor muscle recovery cushion; the cushion backrest is fixedly installed at the back end of the top of the pelvic floor muscle recovery cushion; the first driving spring. According to the technical scheme, by arranging the detecting airbag and the pneumatic piston rod, when a user attaches the abdominal detection pads on the inner sides of the two first electrode strips and wears them in front of the abdomen, the abdomen will become hard when applying force, thereby squeezing the abdominal detection pads and the detecting airbag, so that the gas in the detecting airbag is introduced into the inner side of the pneumatic piston cylinder, so as to push the two pneumatic piston rods to move towards each other until they hit the vibration prompting iron plate, generating sound to remind the user that abdominal muscles are training, and finally, the abdomen can be relaxed in time to avoid the "fake" effect of abdominal muscles.

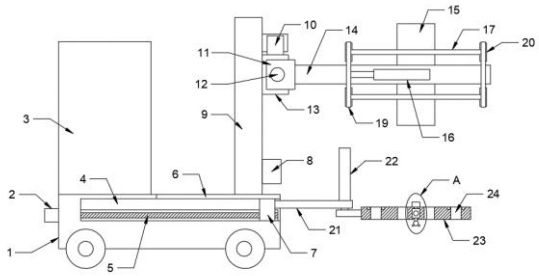


21: 2024/03983. 22: 2024/05/22. 43: 2024/12/09
51: B66C
71: CCCC WATER TRANSPORTATION CONSULTANS CO., LTD., ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY
72: Yi HAN, Lei ZHANG, Juan CHEN, Yuanbing, ZHANG, Xingliang, JIANG, Jian ME, Yue SUN, Xin ZHANG
33: CN 31: 202410293420.7 32: 2024-03-14

54: MEASURING APPARATUS AND MEASURING METHOD FOR HOISTING OF ASSEMBLY TYPE BUILDING

00: -

The disclosure provides a measuring apparatus and measuring method for hoisting of an assembly type building, includes a vehicle body, a control room is disposed at the top of the vehicle body, a telescopic support is installed at the front side of the vehicle body, a measuring plate capable of horizontally lifting is installed at the tail end of the support, a plurality of aligning holes corresponding to ground joint bars are formed in the measuring plate, annular spot lamps are installed at the peripheries of one pair of aligning holes at two ends and in the middle. The apparatus not only may detect ground joint bars, but also may assist alignment in the form that the annular spot lamps eject the lamp posts, remote observation may be carried out through the camera, the measuring is convenient and rapid, and meanwhile.

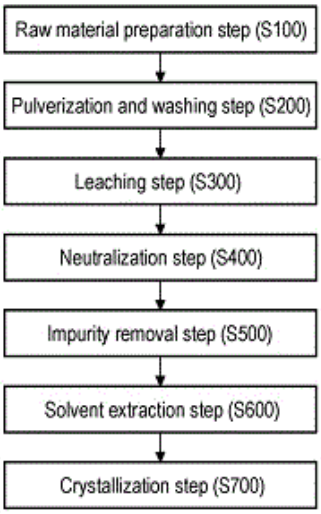


21: 2024/06386. 22: 2024/08/20. 43: 2024/10/02
51: C01G; B01D; H01M
71: KOREA ZINC CO., LTD.
72: KIM, MIN JI, PARK, SANG CHIL
33: KR 31: 10-2022-0111576 32: 2022-09-02
33: KR 31: 10-2022-0155259 32: 2022-11-18

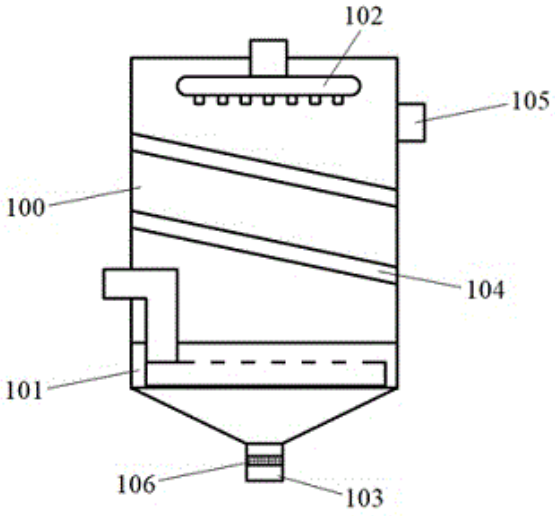
54: METHOD FOR PRODUCING MANGANESE(II) SULFATE MONOHYDRATE FROM BY-PRODUCT OF ZINC REFINING PROCESS

00: -

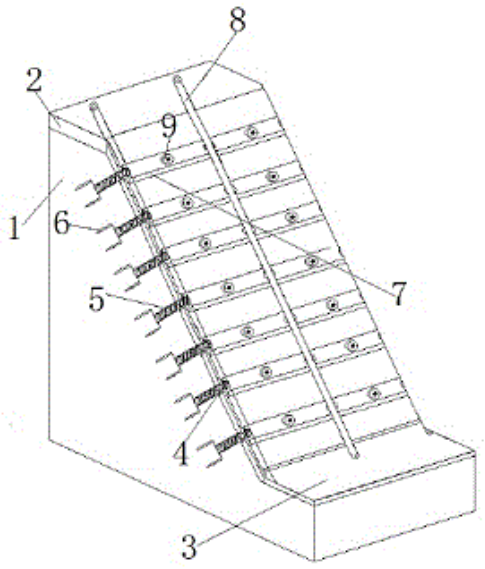
A method for producing manganese(II) sulfate monohydrate, according to one embodiment of the present invention, comprises: a pulverization and cleaning process for pulverizing and cleaning a manganese-containing by-product produced in a hydrometallurgical zinc refining process; a leaching process for leaching the pulverized manganese-containing by-product after the pulverization and cleaning process; a neutralization process for neutralizing a leach solution produced as a result of the leaching process; an impurity removal process for removing impurities from the leach solution which has been neutralized by means of the neutralization process; a solvent extraction process for, by using a solvent extraction method, recovering manganese, in the form of an aqueous solution of manganese(II) sulfate, from the process solution which has gone through the impurity removal process; and a crystallization process for producing manganese(II) sulfate monohydrate by evaporating and concentrating the aqueous solution of manganese(II) sulfate produced in the solvent extraction process.



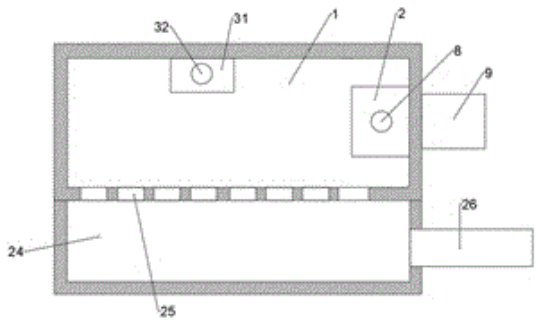
21: 2024/06758. 22: 2024/09/02. 43: 2024/10/02
51: B01D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: YANG, JIAYAN
33: CN 31: 202311671981.8 32: 2023-12-07
54: WASTE INCINERATION ACID GAS PURIFICATION TREATMENT METHOD
00: -
The present invention discloses a waste incineration acid gas purification treatment method, comprising: mounting a deacidification and dedusting device; introducing flue gas generated after waste incineration into a deacidification pool, allowing gas escaping after preliminary neutralization in deacidification pool to rise under a spraying effect of an alkali liquor, and allowing sprayed alkali liquor to fall into deacidification pool for recycling; and allowing gas to pass through multiple layers of acid gas adsorption films layer by layer during spraying with alkali liquor, and finally discharging gas from a gas outlet of the deacidification and dedusting device to complete an acid gas purification treatment. The invention adoptes wet-type deacidification and dedusting combining with multiple layers of acid gas adsorption films to absorb and purify acid gas in flue gas, has good purification effect, and the emission of the acid gas is reduced, thus preventing acid gas from polluting the atmosphere.



21: 2024/06759. 22: 2024/09/02. 43: 2024/10/02
51: E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: AN, XIN
33: CN 31: 202410622414.1 32: 2024-05-20
54: PROTECTIVE STRUCTURE FOR DEEPLY EXCAVATED CUTTING SLOPE AND CONSTRUCTION METHOD THEREOF
00: -
The present invention discloses a protective structure for a deeply excavated cutting slope, comprising: a protective plate assembly comprising an inner protective plate covering a slope body which is provided with vertical sleeves; and an outer protective plate provided with circular grooves for vertical sleeves to penetrate through; a fixing assembly comprising multiple anchor rods, which comprises a threaded section matched with an internal thread and a smooth section; and an adjusting assembly comprising multiple columns of first telescopic springs, an adjusting rod connected with any column of first telescopic springs, an upright post arranged at a slop top and connected to one end of the adjusting rod and extending into soil, and a slide rail post arranged at a slope toe and connected to the other end of the adjusting rod. The present invention can improve stability of slope and adjust protective structure according to deformation of slope soil.



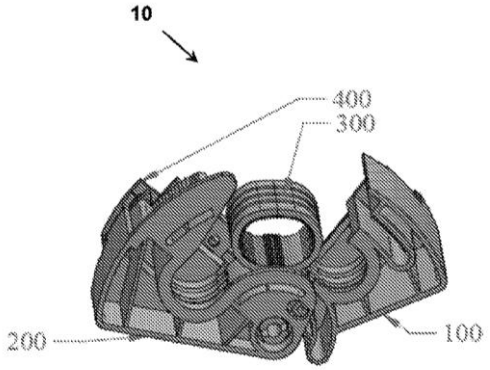
21: 2024/07262. 22: 2024/09/23. 43: 2024/10/03
51: F23G
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: HE, JUNBIAO
33: CN 31: 202311789121.4 32: 2023-12-25
54: HOUSEHOLD GARBAGE STORAGE DEVICE
00: -
The present invention discloses a household garbage storage device, comprising a storage tank, multiple feeding doors arranged on an upper portion of storage tank, a garbage incineration platform arranged in storage tank and provided with a charging opening leading to a garbage incinerator, a rail arranged on an inner wall of storage tank and slidably provided with a bridge-type hoisting device whose lifting hook end is connected with a grab bucket; a maintenance room, an operation room arranged on an outer wall of storage tank and provided with an operation cabin, an operation platform, one end of operation cabin extending into maintenance room, a side wall of operation cabin being transparent or having an observation window, and provided with an operation glove; a grab bucket cleaning tank and a collecting tank arranged on operation platform. The grab bucket of the invention can be cleaned before maintenance to improve maintenance environment.



21: 2024/07349. 22: 2024/09/26. 43: 2024/10/10
51: C07D; A61K; A61P
71: HANGZHOU BIO-SINCERITY PHARMA-TECH CO., LTD.
72: FENG, ENGUANG, QIN, JINJING, JIN, LIFENG, JIN, ZEWU, LI, YUANYUAN, XIONG, XIAOHONG, LEI, SHAOWEI, SHEN, XIMING, LOU, JINFANG
33: CN 31: 202210200094.1 32: 2022-03-02
54: HISTAMINE H3 RECEPTOR ANTAGONISTS AND THEIR PHARMACEUTICAL USES
00: -
The present invention discloses a series of structurally novel histamine H3 receptor antagonists, specifically relating to the compounds as free base, or isomer, or solvate, or pharmaceutically acceptable salt forms; methods of preparing medicaments; compounds composition, and therapeutic uses thereof. The present invention has developed a series of structurally novel compounds based on histamine H3 receptor ligands, and a series of relevant biological tests have been performed on the compounds. The results of the tests all indicate that the compounds have significant H3 receptor antagonistic activity, and can be used as lead compounds for the prevention or treatment H3 receptor-related diseases.

21: 2024/08960. 22: 2024/11/25. 43: 2024/12/05
51: B65B
71: HEGDE, Shreepad
72: HEGDE, Shreepad
33: IN 31: 202241025439 32: 2022-04-30
54: A CRIMPING DEVICE FOR SAFELY DISPOSING A CONTINUOUS LINER BAG CONTAINING TOXIC MATERIAL
00: -
Embodiments of the present invention provides a crimping device (10) for safely disposing a continuous liner bag (603) containing toxic material. The crimping device (10) comprises a female lobe

(100); a male lobe (200); two sleeves (300), one connectable with a semi-circular opening (217) of male lobe (200) and other connectable with a semi-circular opening (117) of the female lobe (100); and a cap (400) movably connected with the male lobe (200) and the female lobe (100). Further, each of the sleeves (300) is provided with matching ribs (304) and serration (303) in an interior. Also, the female lobe (100) and the male lobe (200) are connected by engaging a hinge (102) with twin hinges (202). Moreover, an underside of the cap body (402) is stepped in construction to accommodate a blade (115) when assembled.

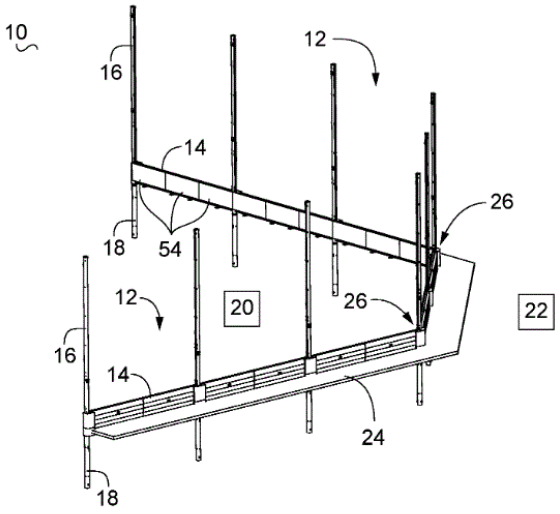


21: 2024/08991. 22: 2024/11/26. 43: 2024/12/05
51: A63B; A63C
71: MUSCO CORPORATION
72: DROST, Matthew D., TAYLOR, Jacob W., BOYLE, Timothy J., SCHEIDEL, Casey T., JOHNSON, Kevin R., BOGATZKE, Logan J., DEJONG, Mark A.
33: US 31: 63/336,566 32: 2022-04-29

54: COMBINATION BACKSTOP AND NETTING APPARATUS AND RELATED SYSTEMS AND METHODS

00: -

Various backstop and netting system embodiments have at least one wall section, at least two poles, and at least two coupling sleeves that couple the wall section (and any adjoining wall sections) and the poles. Further, certain systems include a netting that extends between and is coupled to two adjacent poles and moves between a deployed position and a retracted position within a cavity of the wall section. Many exemplary implementations of these systems include a plurality of wall sections, poles, and coupling sleeves that can be easily installed in a modular fashion to create a backstop for a playing field, such as, for example, a softball or baseball field.



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 2024/11/25 -

F2024/01205 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA

A2024/01196 - Philip John de Villiers Class 24. STORAGE CASSETTE HOUSING FOR DENTAL BUR PROFILES

A2024/01202 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA HOUSING

F2024/01204 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA

F2024/01201 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA

F2024/01200 - DEGENHARDT, Christian Class 13. CONNECTION BOX

F2024/01203 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA ASSEMBLY

F2024/01206 - POYNTING ANTENNAS (PTY) LTD Class 14. ANTENNA

F2024/01207 - Philip John de Villiers Class 24. INSERT LAYOUT FOR HOLDING DENTAL BUR PROFILES

F2024/01199 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. MATTRESSES

A2024/01194 - HIGRO SYSTEMS (RF) (PTY) LTD, LONG RUN CAPITAL (PTY) LTD Class 09. PLANT PROPAGATION APPARATUS

F2024/01197 - Philip John de Villiers Class 24. STORAGE CASSETTE HOUSING FOR DENTAL BUR PROFILES

A2024/01198 - Philip John de Villiers Class 24. INSERT LAYOUT FOR HOLDING DENTAL BUR PROFILES

F2024/01195 - HIGRO SYSTEMS (RF) (PTY) LTD, LONG RUN CAPITAL (PTY) LTD Class 09. PLANT PROPAGATION APPARATUS

. - APPLIED ON 2024/11/26 -

A2024/01208 - MYCRO KERATIN ISRAEL LTD. Class 09. BOTTLE

F2024/01209 - MPACT LIMITED Class 9. BOX CONNECTOR

F2024/01211 - MPACT LIMITED Class 9. BOX CONNECTOR BLANK

A2024/01210 - MPACT LIMITED Class 9. BOX CONNECTOR

. - APPLIED ON 2024/11/27 -

A2024/01213 - LVMH Swiss Manufactures SA Class 10. WATCHES

A2024/01217 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2024/01216 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2024/01215 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2024/01214 - LVMH Swiss Manufactures SA Class 10. DIALS

A2024/01218 - NAUDE, Ruahan Class 20. DISPLAY UNIT

F2024/01212 - Securomesh Security Solutions (Pty) Ltd. Class 25. SET OF ARTICLES FORMING A FENCE / GATE SUPPORT

F2024/01219 - NAUDE, Ruahan Class 20. DISPLAY UNIT

. - APPLIED ON 2024/11/28 -

F2024/01228 - MPACT LIMITED Class 9. PUNNET BLANK

F2024/01222 - NIMB, George Frederick Class 8. A TOOL FOR ASSEMBLING AN ARTICLE OF PACKAGING

F2024/01224 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. SPRING WAIST RINGS

A2024/01220 - UNIQUE VENTILATION & SUPPORT SYSTEMS (PTY) LTD Class 8. A JOINT ASSEMBLY FOR CONNECTING SPLIT PIPES

F2024/01221 - UNIQUE VENTILATION & SUPPORT SYSTEMS (PTY) LTD Class 8. A JOINT ASSEMBLY FOR CONNECTING SPLIT PIPES

F2024/01227 - MPACT LIMITED Class 9. PUNNET

A2024/01226 - MPACT LIMITED Class 9. PUNNET

F2024/01225 - WELFIT ODDY (PROPRIETARY) LIMITED Class 12. A TANK FOR A ROAD TRUCK

A2024/01292 - MELBRO WHOLESALE (PTY) LTD. Class 20. SALES KIOSK

F2024/01223 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. MATTRESSES

. - APPLIED ON 2024/11/29 -

A2024/01236 - Zhejiang Leapmotor Technology Co., Ltd Class 12. VEHICLE

A2024/01231 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/01230 - Turlen Holding SA Class 10. WATCH CASES

F2024/01237 - VERMAAK, Tommy Gerhardus Class 12. A TRAILER FOR A ROAD VEHICLE

A2024/01229 - Turlen Holding SA Class 10. WATCHES

A2024/01233 - Zhejiang Leapmotor Technology Co., Ltd Class 12. HEADLIGHT FOR VEHICLE

A2024/01235 - Zhejiang Leapmotor Technology Co., Ltd Class 12. TAILLIGHT FOR VEHICLE

A2024/01234 - Zhejiang Leapmotor Technology Co., Ltd Class 1. INSTRUMENT PANEL FOR VEHICLE

A2024/01232 - Zhejiang Leapmotor Technology Co., Ltd Class 12. HEADLIGHT FOR VEHICLE

. - APPLIED ON 2024/12/02 -

A2024/01241 - TATE ACCESS FLOORS, INC. Class 25. CEILING GRID STRUCTURAL MEMBER

A2024/01240 - TATE ACCESS FLOORS, INC. Class 25. ELONGATED CEILING GRID MEMBER

A2024/01239 - TATE ACCESS FLOORS, INC. Class 25. ELONGATED CEILING GRID MEMBER

F2024/01238 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. MAIN BODY OF MATTRESS CUSHION LAYER

. - APPLIED ON 2024/12/03 -

A2024/01243 - YETI COOLERS, LLC Class 7. A SET OF COOKWARE

F2024/01248 - POLYOAK PACKAGING (PTY) LTD Class 09. A BOTTLE

A2024/01247 - POLYOAK PACKAGING (PTY) LTD Class 09. A BOTTLE

A2024/01245 - YETI COOLERS, LLC Class 7. JUG

F2024/01246 - ORB SPORTS AND LEISURE CC Class 21. TACKLE TRAINING DEVICE

A2024/01244 - YETI COOLERS, LLC Class 7. JUG

A2024/01242 - DLA Proprietary Limited Class 25. APARTMENT COMPLEX

. - APPLIED ON 2024/12/04 -

A2024/01257 - YETI COOLERS, LLC Class 9. CONTAINER

A2024/01256 - YETI COOLERS, LLC Class 9. CONTAINER

A2024/01253 - YETI COOLERS, LLC Class 7. JUG

A2024/01264 - YETI COOLERS, LLC Class 7. COOKWARE

A2024/01263 - YETI COOLERS, LLC Class 7. COOKWARE

A2024/01252 - YETI COOLERS, LLC Class 7. JUG

A2024/01250 - YETI COOLERS, LLC Class 9. CONTAINER

A2024/01255 - YETI COOLERS, LLC Class 9. LID FOR A CONTAINER

A2024/01254 - YETI COOLERS, LLC Class 7. JUG

A2024/01261 - YETI COOLERS, LLC Class 7. COOKWARE

A2024/01260 - YETI COOLERS, LLC Class 8. CONNECTOR

A2024/01251 - YETI COOLERS, LLC Class 7. JUG

A2024/01249 - YETI COOLERS, LLC Class 9. CONTAINER

A2024/01262 - YETI COOLERS, LLC Class 7. COOKWARE

. - APPLIED ON 2024/12/05 -

F2024/01267 - ARDGARD IP HOLDINGS CO PTY LTD Class 25. A FRAME MEMBER FOR A WINDOW ASSEMBLY

F2024/01268 - Nyiko Ntimbane Class 14. FUNCTIONAL DESIGN FOR ARTISAN PLATFORM TOOL-SHARING SYSTEM.

A2024/01269 - FÉDÉRATION INTERNATIONALE DE FOOTBALL ASSOCIATION (FIFA) Class 11. TROPHY

A2024/01270 - OMEGA SA (OMEGA AG) (OMEGA LTD.) Class 3. WATCH BOX

F2024/01266 - ARDGARD IP HOLDINGS CO PTY LTD Class 25. A FRAME MEMBER FOR A WINDOW ASSEMBLY

. - APPLIED ON 2024/12/09 -

F2024/01277 - LAMONT, Dian Class 23. PIPING AND/OR DUCTING

A2024/01271 - Garapamed (Pty) Ltd Class 24. ACCESSORY FOR AN INTRAVENOUS INFUSION SET

A2024/01274 - LAMONT, Dian Class 5. SHEET MATERIAL

A2024/01276 - LAMONT, Dian Class 23. PIPING AND/OR DUCTING

F2024/01273 - CLASSIC INJECTION MOULDINGS (PTY) LTD Class 09. AEROSOL ACTUATOR

F2024/01275 - LAMONT, Dian Class 5. SHEET MATERIAL

F2024/01272 - Garapamed (Pty) Ltd Class 24. AN ACCESSORY FOR AN INTRAVENOUS INFUSION SET

A2024/01278 - CLASSIC INJECTION MOULDINGS (PTY) LTD Class 09. AEROSOL ACTUATOR

. - APPLIED ON 2024/12/10 -

A2024/01280 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01284 - TANGLE TEEZER LIMITED Class 4. HAIR BRUSH

A2024/01283 - TANGLE TEEZER LIMITED Class 4. HAIR BRUSH

A2024/01279 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01282 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01290 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01286 - OPTEX CO., LTD. Class 10. HUMAN BODY DETECTOR

A2024/01287 - OPTEX CO., LTD. Class 10. HUMAN BODY DETECTOR

A2024/01288 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01281 - KETER HOME AND GARDEN PRODUCTS LTD Class 06. GARDEN FURNITURE

A2024/01285 - TANGLE TEEZER LIMITED Class 4. HAIR BRUSH

A2024/01289 - CONTRACT CATERING HOLDINGS SA (PTY) LTD Class 07. A TRAY

F2024/01291 - CONTRACT CATERING HOLDINGS SA (PTY) LTD Class 07. A TRAY

. - APPLIED ON 2024/12/11 -

A2024/01298 - KRUGER, Jaco Class 21. RIDE-ON VEHICLE

F2024/01303 - Gary Flax Class 31. A MULTI-STAGE, NON-ELECTRIC FILTRATION SYSTEM FOR USE WITH BOREHOLES AND WATER TANKS, INCLUDING COMPONENTS DESIGNED TO FILTER AND PURIFY WATER FOR HOME AND DOMESTIC APPLICATIONS.

A2024/01299 - MADMAN DEVELOPMENTS (PTY) LTD Class 15. A MANIFOLD ASSEMBLY

F2024/01301 - CRAMER, Brent Class 08. LOCKING DEVICE SEAL

A2024/01297 - Euroatlas GmbH Class 12. UNDERWATER DRONES

A2024/01295 - SAVERGLASS Class 09. BOTTLE

A2024/01296 - Euroatlas GmbH Class 12. UNDERWATER DRONES

A2024/01294 - SAVERGLASS Class 09. BOTTLE

F2024/01300 - MADMAN DEVELOPMENTS (PTY) LTD Class 15. A MANIFOLD ASSEMBLY

A2024/01293 - SAV-A-SOK LIMITED Class 07. LAUNDRY ACCESSORY

F2024/01302 - CRAMER, Brent Class 08. LOCKING DEVICE

. - APPLIED ON 2024/12/12 -

A2024/01305 - INTERIOR CONCEPTS CC Class 07. COVER CAP FOR BLINDS

A2024/01304 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. ELECTRONIC DEVICE

A2024/01309 - INTERIOR CONCEPTS CC Class 07. WHEEL RUNNER FOR BLINDS

F2024/01308 - INTERIOR CONCEPTS CC Class 07. WHEEL RUNNER FOR BLINDS

F2024/01307 - INTERIOR CONCEPTS CC Class 07. MASTER CARRIER FOR CURTAINS

A2024/01306 - INTERIOR CONCEPTS CC Class 07. MASTER CARRIER FOR CURTAINS

A2024/01310 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

Notice is hereby given that **Magdalena Henrietta Elizabetha Pieters 145 Loskop Street, Newlands, Pretoria East, 0031, South Africa** has made application for the restoration of the design registered to the said **Magdalena Henrietta Elizabetha Pieters** for the Design **EDUCATIONAL AIDS (CURRICULUM 3D)**

application number: **F2018/01277** date **17/08/2018** which become void on **17/08/2021** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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Notice is hereby given that **Magdalena Henrietta Elizabetha Pieters 145 Loskop Street, Newlands, Pretoria East, 0031, South Africa** has made application for the restoration of the design registered to the said **Magdalena Henrietta Elizabetha Pieters** for the Design **PUZZLES IN PERSPEX** application number: **A2019/00649** date **13/05/2019** which become void on **13/05/2022** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

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APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 26, 27/REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION.THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED

PART II

Design No: A2023/01083

Applicant: Spectris Canada Inc.
Class: 08

Article to which the Design is to be Applied: SAMPLE HOLDER

Date of Lodgment: 05/10/2023

Registrar of Designs

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 lodgment. **(23)** release date (if applicable). **(43)** 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 (43) is either Date of lodgment (22) or Date of convention of application (32) whichever

Registrar of Designs

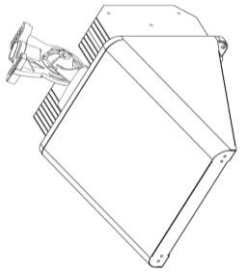
21: A2023/00747 22: 2023-07-07 23:
43: 2024-10-08
52: Class 23 24: Part A
71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
33: WO 31: WIPO130563 32: 2023-03-22
54: ELECTRIC VALVE FOR WATER
57: The design relates to a valve for water. The features of the design are those of shape and/or configuration as shown and described.



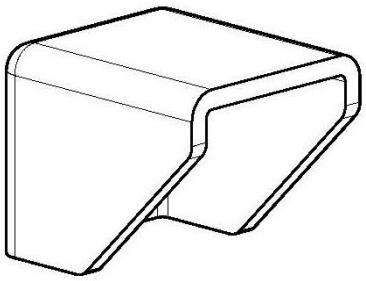
Figure 1

Perspective view
15.99 x 8.99 cm

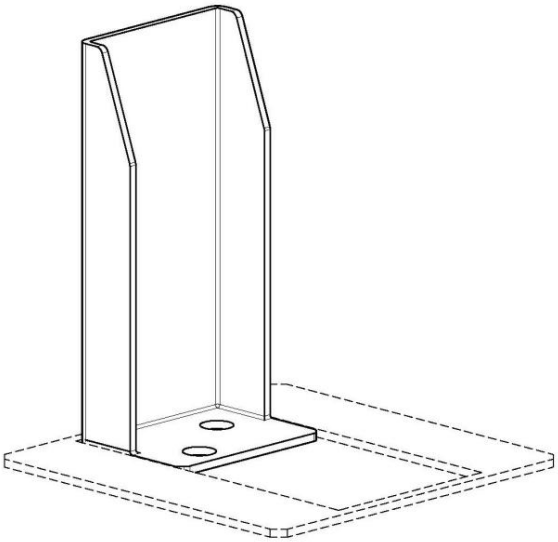
21: A2023/00836 22: 2023-07-21 23:
43: 2024-10-08
52: Class 26 24: Part A
71: MUSCO CORPORATION
33: US 31: 29/883,042 32: 2023-01-23
54: ADJUSTABLE LIGHTING FIXTURE
57: The representation shows a top perspective view of an adjustable lighting fixture showing the overall appearance thereof.



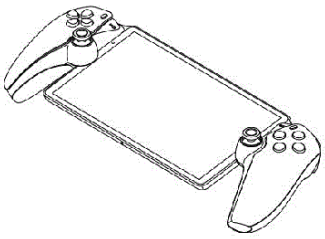
21: A2023/01111 22: 2023-10-13 23:
43: 2024-09-05
52: Class 08 24: Part A
71: EVA-LAST DISTRIBUTORS (PTY) LTD
54: CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a CLIP substantially as illustrated in the accompanying representations. The clip has one pilot hole to mount the clip to a first member with a cavity in a second member being attached to the clip by means of a self-tapping screw



21: A2023/01113 22: 2023-10-13 23:
43: 2024-09-05
52: Class 08 24: Part A
71: EVA-LAST DISTRIBUTORS (PTY) LTD
54: POST MOUNT
57: The features of the design for which protection is claimed include the shape and/or configuration of the POST MOUNT substantially as illustrated in the accompanying representations The base plate shown in broken lines does not form part of the protection claimed. The base plate receives a number of post mounts therein. Outer sides of the base plate form a spacer between a substrate to which the post mount is attached and an end of a post attached over the post mount.

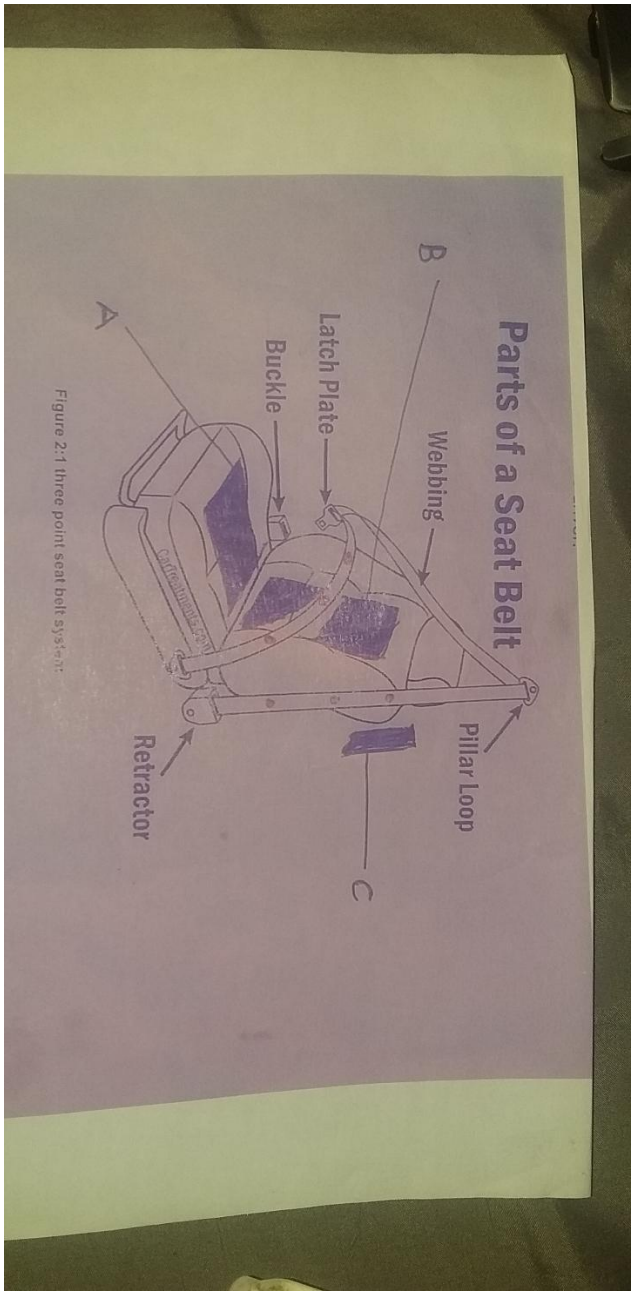


21: A2023/01132 22: 2023-10-23 23:
43: 2024-10-08
52: Class 14 24: Part A
71: SONY INTERACTIVE ENTERTAINMENT INC.
33: JP 31: 2023-008983 32: 2023-04-28
54: PORTABLE INFORMATION TERMINAL
57: The design is applied to a portable information terminal and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2024/00156 22: 2024-02-05 23: 2024-02-05
43: 2024-09-05
52: Class 12 24: Part A
71: Manelisi Shabalala
33: ZA 31: xx4761 32: 2024-02-04
54: SEAT BELT DETECTOR SYSTEM
57: we make use of the RFID tags receiver communications via micro controller to identify seat belt misuses. we have identified commonly used methods of cheating and placed tags and readers at

these position inside the seat and have also placed RFID tags at strategic positions on the seat belt



21: A2024/00233 22: 2024-02-29 23:
43: 2024-11-08
52: Class 09 24: Part A
71: GUERLAIN
33: EU 31: 015033276-0001 32: 2023-09-06
54: FLASK
57: The design is applied to a flask. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the flask, substantially as illustrated in the accompanying representation.



21: A2024/00240 22: 2024-03-01 23:
43: 2023-09-04
52: Class 20 24: Part A
71: Société des Produits Nestlé S.A.
33: WO 31: 2023-00459 32: 2023-09-04
54: COUNTERS
57: The design is for a counter. The counter has two bottom substantially rectangular cabinets and a central rectangular portion disposed between them. Sidewalls extend between the sides of cabinets and a rectangular rear wall that is spaced from and substantially twice the height of the cabinets. A front face that is taller than the rear wall protrudes from and covers a front portion thereof. A major rectangular panel protrudes from the front face and occupies a major portion thereof. A double-bordered rectangular screen and a substantially smaller rectangular panel defining vertically arranged rectangular openings are provided side-by-side on the major rectangular panel. A series of horizontally arranged circular openings and a vertically arranged rectangular opening are provided below the series of openings and smaller rectangular panel, respectively. A vertically arranged rectangular screen is provided on a minor portion of the front face. A downwardly slanting portion that has a series of horizontally arranged openings provided with semi-circular caps protrudes below the vertically arranged screen.

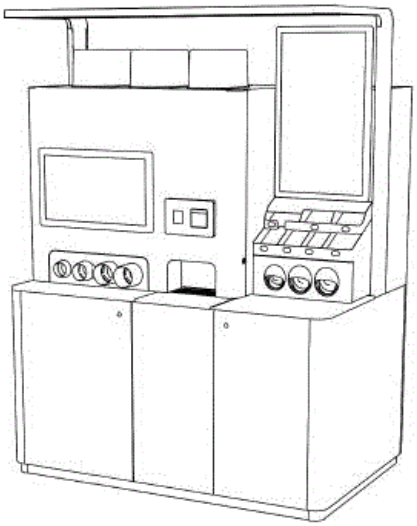
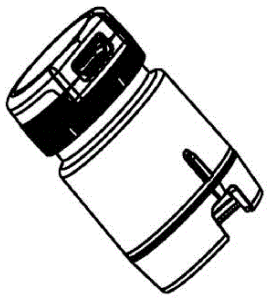


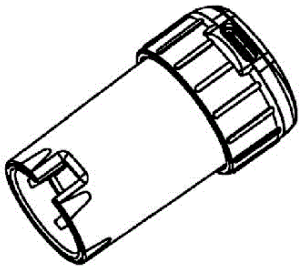
Figure 1

Three-dimensional view

21: A2024/00242 22: 2024-03-04 23:
43: 2024-10-11
52: Class 24 24: Part A
71: BIOCORP PRODUCTION S.A., à Conseil d'Administration
33: WO 31: DM/233687 32: 2023-11-28
54: AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN
57: The drawing shows a perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.



21: A2024/00243 22: 2024-03-04 23:
43: 2024-10-11
52: Class 24 24: Part A
71: BIOCORP PRODUCTION S.A., à Conseil d'Administration
33: WO 31: DM/233692 32: 2023-11-28
54: AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN
57: The drawing shows a perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.



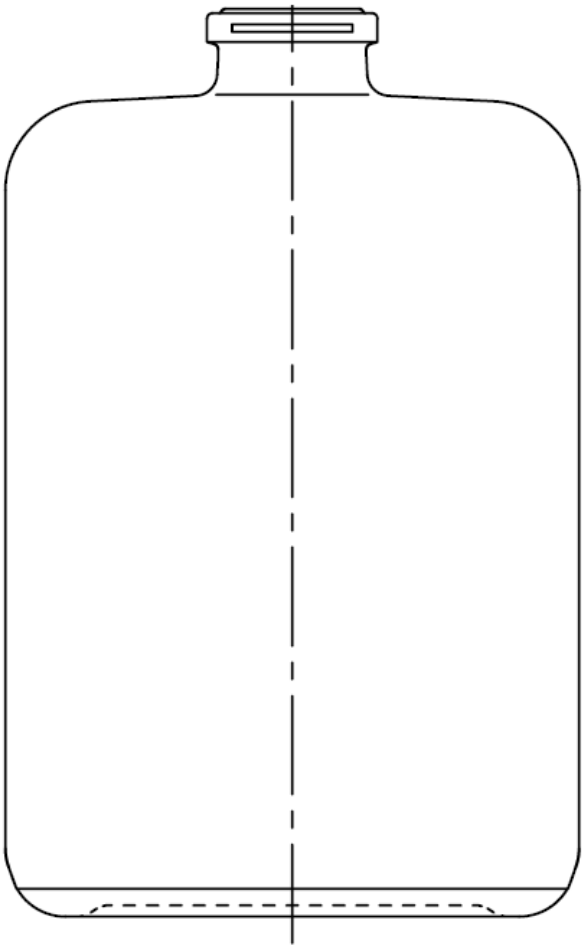
21: A2024/00259 22: 2024-03-12 23:
43: 2024-10-11
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/912,032 32: 2023-09-12
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT LEFT SIDE PERSPECTIVE VIEW

21: A2024/00261 22: 2024-03-12 23:
43: 2024-10-11
52: Class 09 24: Part A
71: AF BRANDS (PTY) LTD
54: A BOTTLE
57: The features of the design are those of pattern and/or shape and/or configuration and/or

ornamentation, substantially as shown in the representations.



21: A2024/00264 22: 2024-03-13 23:
43: 2023-09-14
52: Class 10 24: Part A
71: Turlen Holding SA
33: HSIRID(CH) 31: DM/232166 32: 2023-09-14
54: WATCHES
57: The design is for a watch. The watch has a case that has a front convex bezel and rear concave back. Each face has convex side edges extending therebetween. An ornate circular-triangular crown is fitted at a three o'clock position. A grooved ring is fitted around the crown. Mechanical innards of the watch are displayed from a convexly-shaped rear window. A central part of the dial has a butterfly shaped portion that has V-shaped and inverted V-shaped upper and lower edges and laterally extending wing-shaped sides that have a jagged-edge. Hands are located on the central part. A series of stepped columns arranged to substantially form a bell-shaped curve extend outwardly from the space defined by the inverted V-shaped and V-shaped elements. A pair of ornately decorated convex-shaped elements surround the central part. Substantially trapezoidal shape ornate indexes are provided at the 3, 6, 9 and 12 o'clock positions on the dial.



Figure 7

A first three-dimensional view

21: A2024/00265 22: 2024-03-13 23:
43: 2023-09-14
52: Class 10 24: Part A
71: Turlen Holding SA
33: HSIRID(CH) 31: DM/232269 32: 2023-09-14
54: WATCHES
57: The design is for a watch. The watch has a case that has a front convex bezel and rear concave back. Each face has parallel top and bottom edges and convex side edges extending therebetween. A circular-triangular ornate crown is fitted at a three o'clock position. Mechanical innards of the watch are displayed from a rear window. An oval shaped central part is provided substantially at the centre of the dial. A pattern of spaced apart V-shaped and inverted V-shaped ornately decorated elements is provided at the top and bottom of the oval-shaped central part, respectively. Inwardly pointing V-shaped decorated members are provided on either side of the central part. A pair of convex-shaped elements surround the central part and are decorated with circular ornate members. Substantially V-shaped members decorated with

circular ornate members are provided at the 3, 6, 9 and 12 o'clock positions on the bezel.



Figure 7

Three-dimensional view

21: A2024/00278 22: 2024-03-18 23:
43: 2023-09-15
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/912,231 32: 2023-09-15
54: BOXES
57: The design is for a box. The box is in the form of a rectangular prism that has upper and lower major rectangular faces, a pair of front and rear minor rectangular walls, and a pair of opposite minor rectangular side walls. The upper face, front and rear minor rectangular walls, and the opposite minor side walls each have an elongate, horizontally arranged, off-centre rectangular border. Each rectangular border has a closed free end on one of the short-sides thereof and an opened end on an opposite side thereof which interfaces with one of the shorter edges of the box. Each rectangular border accommodates a pentagon-shaped arrow that occupies a major part of the space defined by the rectangular border. Each pentagon-shaped arrow points in the direction of the opened end of the rectangular border and is disposed near the closed end of the rectangular border. The pentagon-shaped arrows and rectangular borders each have a first colour and a second colour, respectively.

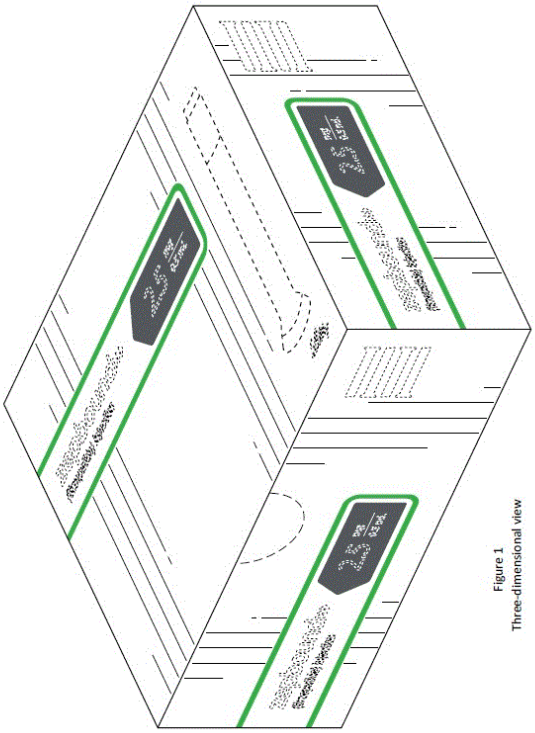


Figure 1
Three-dimensional view

21: A2024/00279 22: 2024-03-18 23:
43: 2023-09-19
52: Class 12 24: Part A
71: Suzuki Motor Corporation
33: JP 31: 2023-019099 32: 2023-09-19
54: AUTOMOBILES
57: The design is for an automobile. The automobile has a short wheelbase and short front and rear overhangs. A substantially octagon-shaped grille having an array of opened and closed hexagonal-shaped members is provided on the front bumper. A substantially hexagon-shaped frame accommodating a lower grille is provided at the bottom of the front bumper. Inwardly pointing pentagon-shaped members are provided on either side of the front bumper above the lower grille. Headlights having pointed corners are provided on either side of the front bumper and extend rearwardly towards a hood. A substantially rectangular-shaped roof is provided and a miniature spoiler extends rearwardly therefrom. A large rectangular taillight which curves partly along the side of the automobile is provided on either side of the rear bumper. An inverted trapezium-shaped trunk cover is provided between the taillights. A hexagonal-shaped recessed portion

is provided centrally at the bottom of the rear bumper.



Figure 1

Three-dimensional view

21: A2024/00280 22: 2024-03-18 23:
43: 2023-09-15
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/912,231 32: 2023-09-15
54: BOXES
57: The design is for a box. The box is in the form of a rectangular prism that has upper and lower major rectangular faces, a pair of front and rear minor rectangular walls, and a pair of opposite minor rectangular side walls. The upper face has an elongate, horizontally arranged, off-centre rectangular border. The rectangular border has a closed free end on one of the short-sides thereof and an opened end on an opposite side thereof which interfaces with a shorter edge of the upper face. The rectangular border accommodates a pentagon-shaped arrow that occupies a major part of the space defined by the rectangular border. The pentagon-shaped arrow points in the direction of the opened end of the rectangular border and is disposed near the closed end of the rectangular border. The pentagon-shaped arrow and rectangular border each have a first colour and a second colour, respectively.

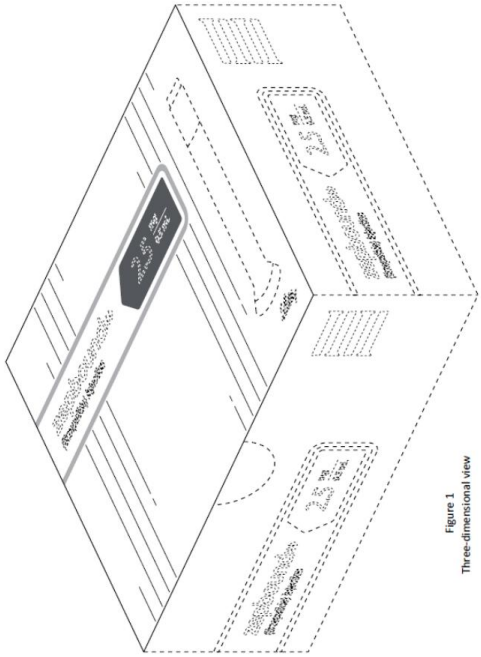


Figure 1
Three-dimensional view

21: A2024/00281 22: 2024-03-18 23:
43: 2023-09-15
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/912,231 32: 2023-09-15
54: BOXES
57: The design is for a box. The box is in the form of a rectangular prism that has upper and lower major rectangular faces, a pair of front and rear minor rectangular walls, and a pair of opposite minor rectangular side walls. The upper face has an elongate, horizontally arranged, off-centre rectangular border. The rectangular border has a closed free end on one of the short-sides thereof and an opened end on an opposite side thereof which interfaces with a short edge of the upper rectangular face. A row of aligned, horizontally arranged miniature triangles is disposed near the centre of the rectangular border and all of the miniature triangles point in the direction of the closed end of the rectangular border. The miniature triangles and the rectangular border have a first colour and a second colour, respectively.

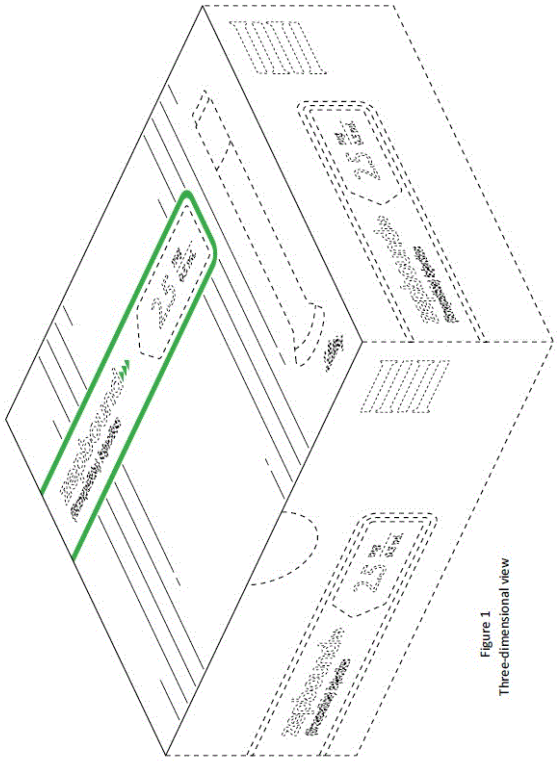


Figure 1
Three-dimensional view

21: A2024/00282 22: 2024-03-18 23:
43: 2024-10-11
52: Class 12. 24: Part A
71: HONDA MOTOR CO., LTD.
33: JP 31: 2023-019365 32: 2023-09-21
54: Motorcycle
57: The design relates to a motorcycle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT AND LEFT SIDE PERSPECTIVE VIEW

21: A2024/00288 22: 2024-03-19 23:
43: 2023-09-19
52: Class 9 24: Part A
71: Genuine Gold Holding LLC
33: US 31: 29/902,982 32: 2023-09-19
54: BOTTLES
57: The novelty of the design resides in the shape and/or configuration of a bottle substantially as shown in the accompanying representations.

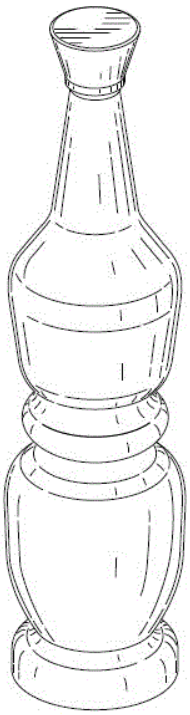


Figure 1
Three-dimensional view

21: A2024/00289 22: 2024-03-19 23:
43: 2023-09-19
52: Class 9 24: Part A
71: Genuine Gold Holding LLC
33: US 31: 29/902,982 32: 2023-09-19
54: BOTTLES
57: The novelty of the design resides in the shape and/or configuration of a bottle substantially as shown in the accompanying representations.

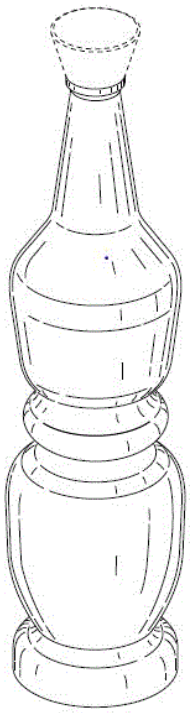


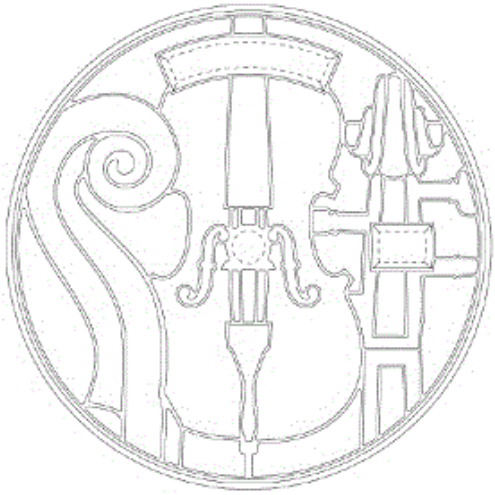
Figure 1
Three-dimensional view

21: A2024/00290 22: 2024-03-19 23:
43: 2024-10-11
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/903,114 32: 2023-09-20
54: Wine Chiller
57: The design relates to a wine chiller. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP FRONT PERSPECTIVE VIEW

21: A2024/00294 22: 2024-03-22 23:
43: 2024-10-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00544 32: 2023-10-23
54: Watch Dial
57: The design relates to a watch dial. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2024/00295 22: 2024-03-22 23:
43: 2024-10-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00544 32: 2023-10-23
54: Watch Dial
57: The design relates to a watch dial. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2024/00297 22: 2024-03-26 23:
43: 2024-10-11
52: Class 21. 24: Part A
71: DECATHLON
33: EM 31: 015036081-0001 32: 2023-10-05
54: Tent
57: The design relates to a tent. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2024/00301 22: 2024-03-27 23:
43: 2023-11-09
52: Class 1 24: Part A
71: McCain Foods Limited
33: US 31: 29/916,210 32: 2023-11-09
54: FOOD PRODUCTS
57: The design is for a food product. The food product has a body that is generally cuboid in shape having four generally rectangular side faces between a top face and a bottom face. The top and bottom faces are generally planar. The four side faces each have wavy surfaces with an alternating pattern of ridges and furrows.

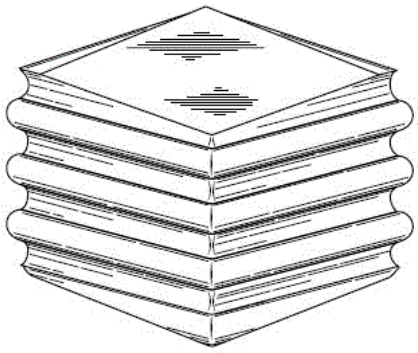


Figure 1
Three-dimensional view

21: A2024/00302 22: 2024-03-27 23:
43: 2023-11-09
52: Class 1 24: Part A
71: McCain Foods Limited
33: US 31: 29/916,210 32: 2023-11-09
54: FOOD PRODUCTS
57: The design is for a food product. The food product has a body that is generally cuboid in shape having four generally rectangular side faces between a top face and a bottom face. The top and bottom faces are generally planar. The four side faces each have wavy surfaces with an alternating pattern of ridges and furrows.

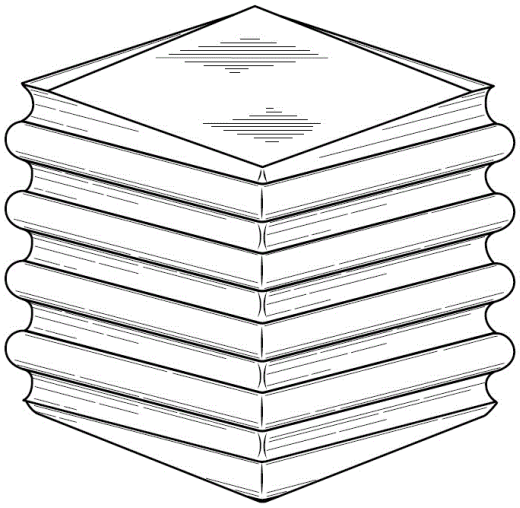


Figure 1
Three-dimensional view

21: A2024/00303 22: 2024-03-27 23:
43: 2023-11-09
52: Class 1 24: Part A
71: McCain Foods Limited
33: US 31: 29/916,210 32: 2023-11-09
54: FOOD PRODUCTS
57: The design is for a food product. The food product has a body that is generally cuboid in shape having four generally rectangular side faces between a top face and a bottom face. The top and bottom faces are generally planar. The four side faces each have wavy surfaces with an alternating pattern of ridges and furrows.

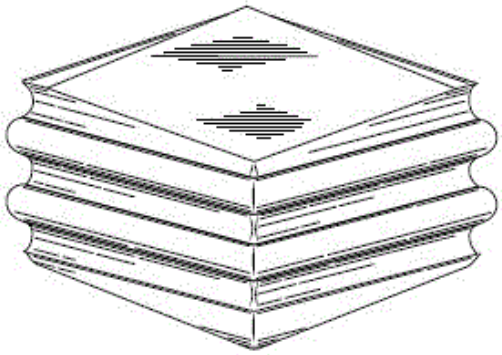


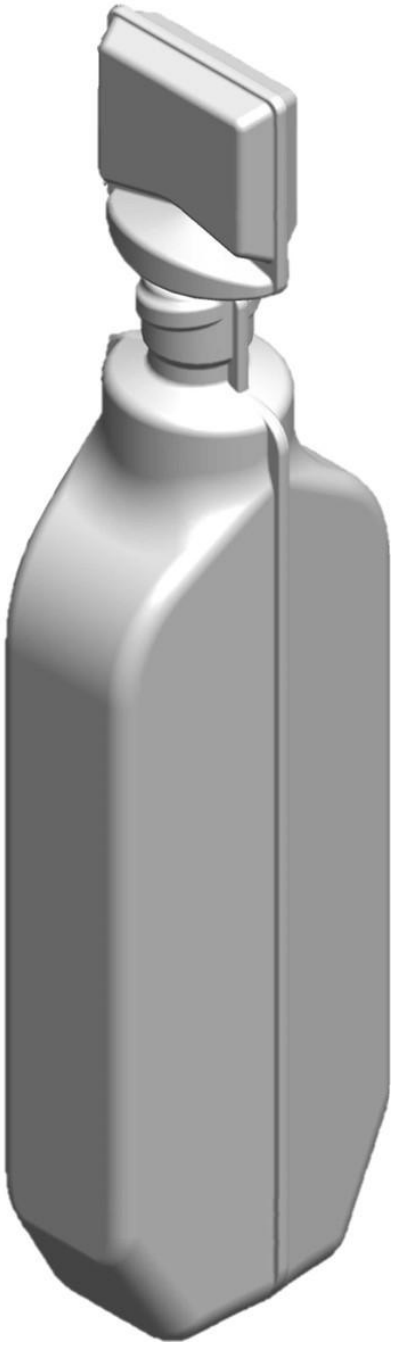
Figure 1
Three-dimensional view

21: A2024/00333 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0002 32: 2023-10-05
54: BOTTLE
57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. Features shown as lightened and/or blurred do not form part of the design and are disclaimed.



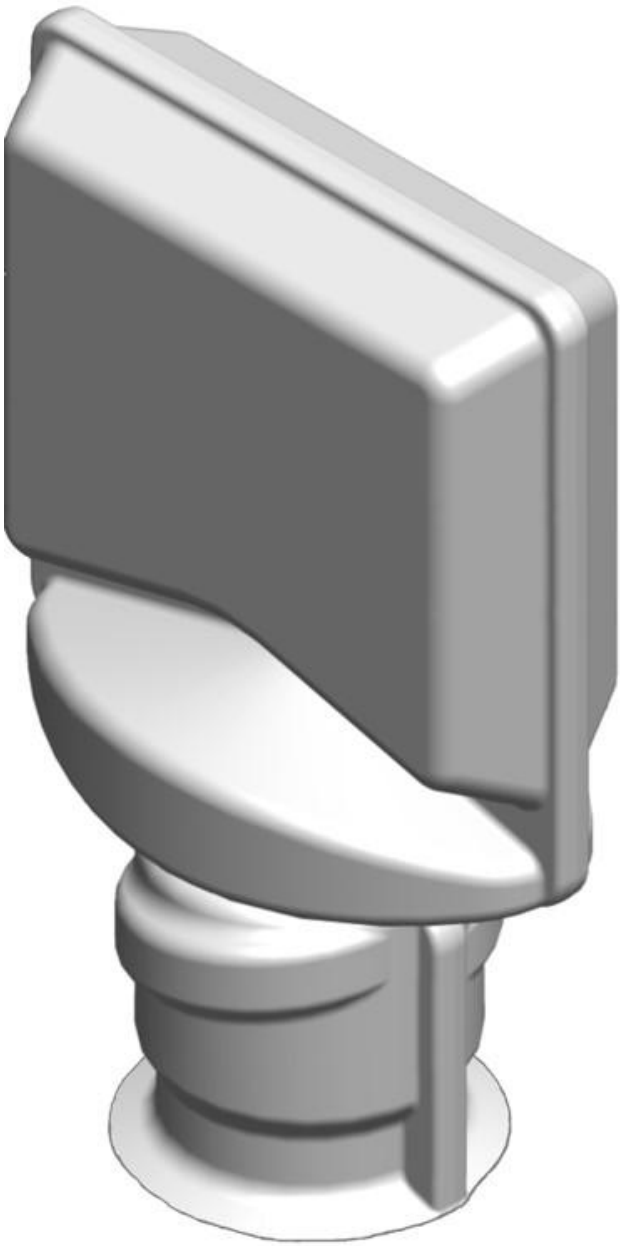
21: A2024/00334 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0001 32: 2023-10-05
54: BOTTLE
57: The design is applied to a bottle. The features of the design for which protection is claimed are those

of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation.



21: A2024/00335 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0005 32: 2023-10-05
54: BOTTLE

57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. The freehand line at the bottom of the bottle neck indicates a break-off from a bottle body not shown, which is not part of the design and is disclaimed.



21: A2024/00336 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0003 32: 2023-10-05

54: BOTTLE
57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. Features shown as lightened and/or blurred do not form part of the design and are disclaimed.



21: A2024/00337 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0006 32: 2023-10-05

54: BOTTLE
57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. The freehand line at the bottom of the bottle neck indicates a break-off from a bottle body not shown, which is not part of the design and is disclaimed.

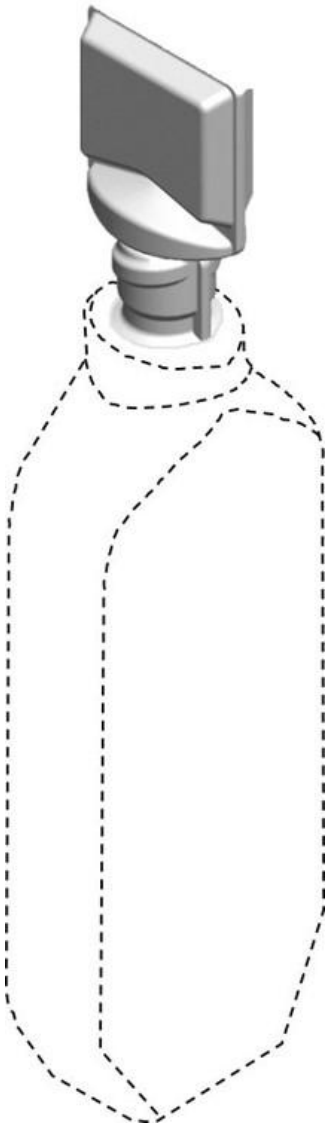


21: A2024/00338 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0004 32: 2023-10-05

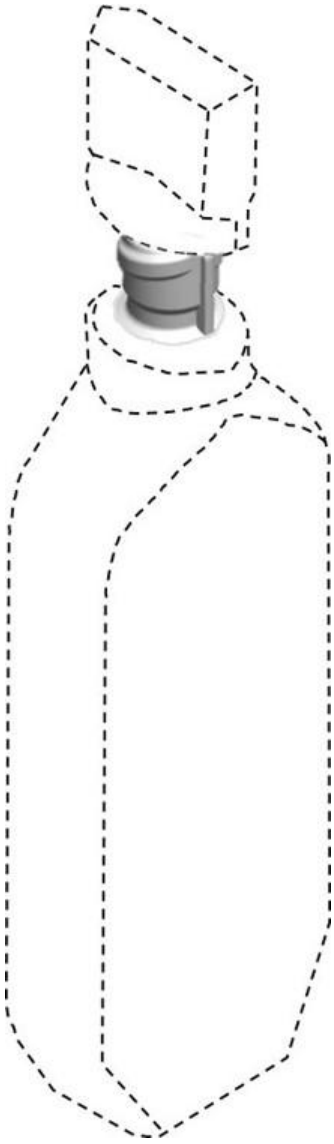
54: BOTTLE
57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation. Features shown as lightened and/or blurred do not form part of the design and are disclaimed.



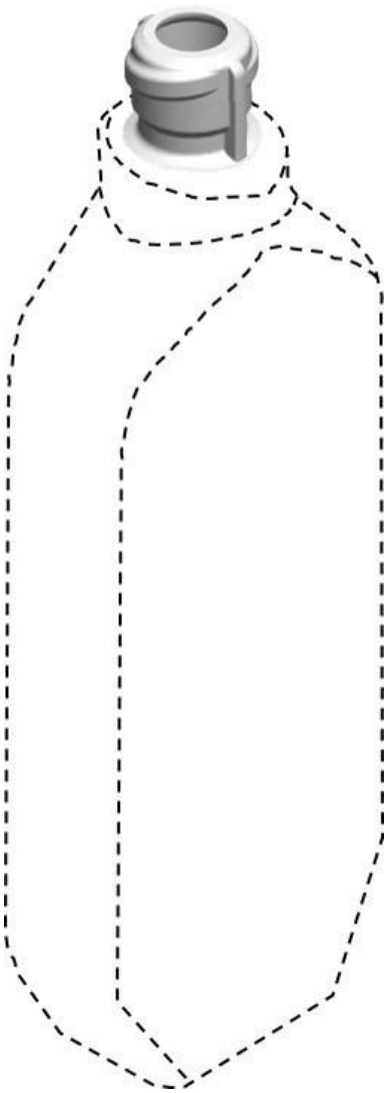
21: A2024/00339 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0007 32: 2023-10-05
54: BOTTLE
57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2024/00340 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0008 32: 2023-10-05
54: BOTTLE
57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2024/00341 22: 2024-04-05 23:
43: 2024-11-08
52: Class 09 24: Part A
71: B. BRAUN MELSUNGEN AG
33: EU 31: 015036109-0009 32: 2023-10-05
54: BOTTLE
57: The design is applied to a bottle. 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 bottle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2024/00367 22: 2024-04-16 23:
43: 2024-11-08
52: Class 24 24: Part A
71: ORKLA HEALTH AS
33: KR 31: 30-2023-0040301-M001 32: 2023-10-16
54: TEETHING RING
57: The design is applied to a teething ring. 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 teething ring, substantially as illustrated in the accompanying representation.



21: A2024/00369 22: 2024-04-16 23:
43: 2024-11-08
52: Class 24 24: Part A
71: ORKLA HEALTH AS
33: KR 31: 30-2023-0040301-M002 32: 2023-10-16
54: TEETHING RING
57: The design is applied to a teething ring. 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 teething ring, substantially as illustrated in the accompanying representation.



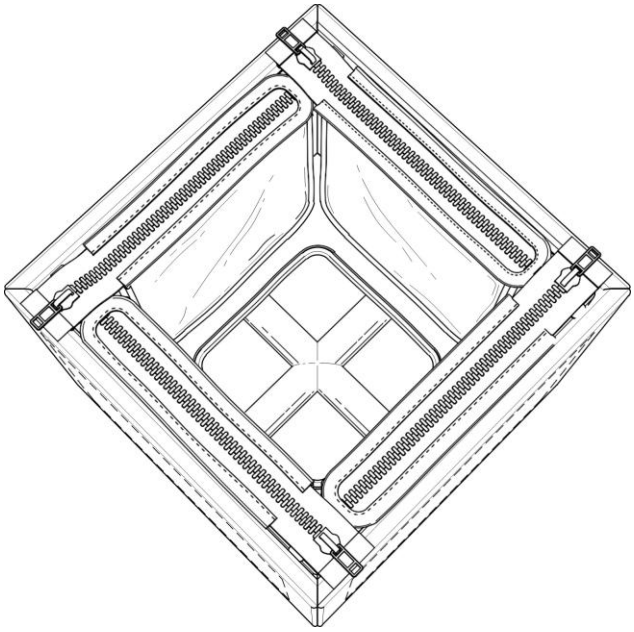
21: A2024/00370 22: 2024-04-16 23:
43: 2024-11-08
52: Class 24 24: Part A
71: ORKLA HEALTH AS
33: KR 31: 30-2023-0040301-M003 32: 2023-10-16
54: TEETHING RING
57: The design is applied to a teething ring. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the teething ring, substantially as illustrated in the accompanying representation.



21: A2024/00372 22: 2024-04-16 23:
43: 2024-11-08
52: Class 24 24: Part A
71: ORKLA HEALTH AS
33: KR 31: 30-2023-0040301-M004 32: 2023-10-16
54: TEETHING RING
57: The design is applied to a teething ring. 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 teething ring, substantially as illustrated in the accompanying representation.



21: A2024/00406 22: 2024-04-30 23:
43: 2024-11-12
52: Class 03 24: Part A
71: HLUMELO NYALUZA
54: A HANDBAG
57: The design relates to A HANDBAG. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of the Handbag substantially as illustrated in the accompanying representations.



21: A2024/00412 22: 2024-04-30 23:
43: 2024-11-08
52: Class 24 24: Part A
71: M and L Medical Suppliers CC t/a VIVA Medical
54: TUBE CONNECTOR
57: The design is applied to a TUBE CONNECTOR. 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 TUBE CONNECTOR, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

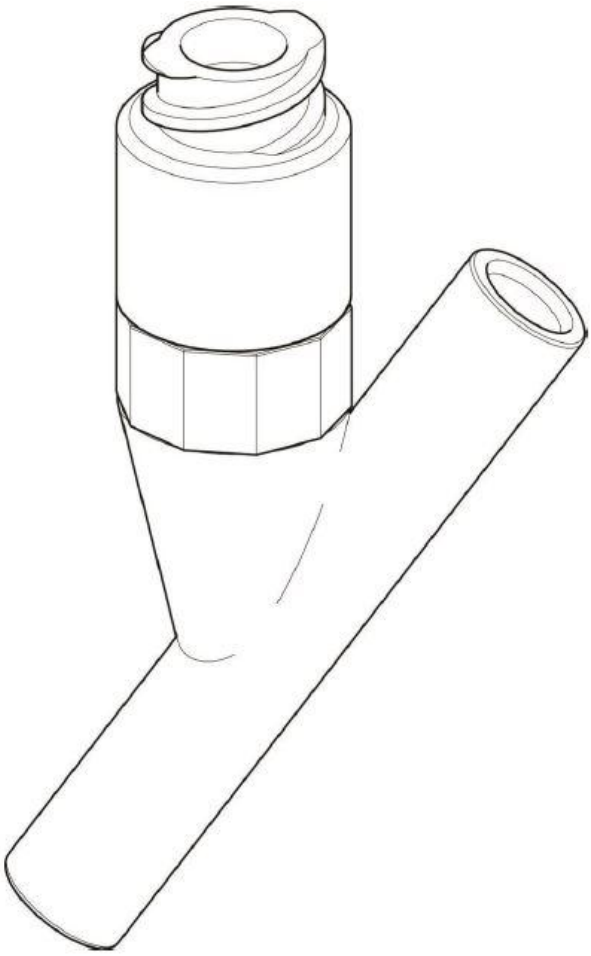


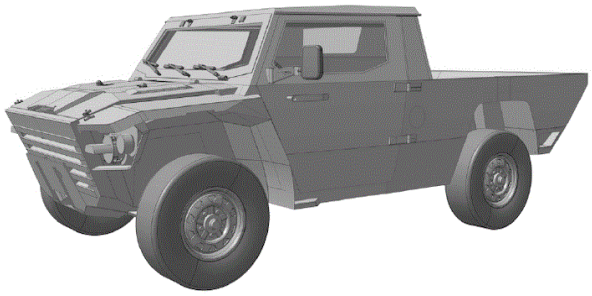
FIGURE 1: THREE-DIMENSIONAL VIEW

21: A2024/00935 22: 2024-09-25 23:
43: 2024-11-20
52: Class 28 24: Part A
71: CIXI XUBANG ELECTRIC APPLIANCE CO., LTD.
54: HAIR DRYER

57: The features of the design for which protection is claimed are those of the pattern and/or shape and/or configuration and/or ornamentation of a HAIR DRYER, substantially as illustrated in the accompanying representations.



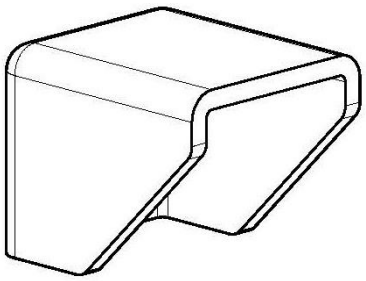
21: A2024/01030 22: 2024-10-09 23:
43: 2024-11-12
52: Class 12 24: Part A
71: LEYRIKH Anatoliy Andreevich
33: RU 31: 2024503042 32: 2024-05-28
54: VEHICLE
57: The design relates to a VEHICLE. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



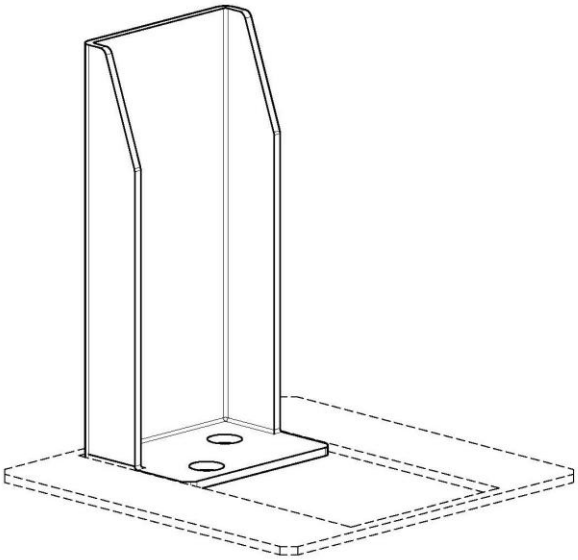
21: A2024/01052 22: 2024-10-14 23:
43: 2024-12-04
52: Class 19 24: Part A
71: Lou Chunxian
54: NOTEBOOKS
57: The design relates to a Notebooks. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



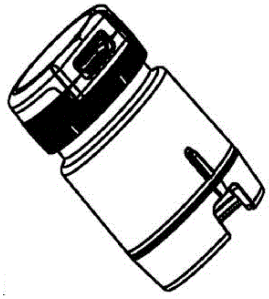
21: F2023/01112 22: 2023-10-13 23:
43: 2024-09-05
52: Class 08 24: Part F
71: EVA-LAST DISTRIBUTORS (PTY) LTD
54: CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a CLIP substantially as illustrated in the accompanying representations. The clip has one pilot hole to mount the clip to a first member with a cavity in a second member being attached to the clip by means of a self-tapping screw



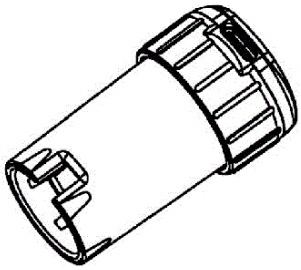
21: F2023/01114 22: 2023-10-13 23:
43: 2024-09-05
52: Class 08 24: Part F
71: EVA-LAST DISTRIBUTORS (PTY) LTD
54: POST MOUNT
57: The features of the design for which protection is claimed include the shape and/or configuration of the POST MOUNT substantially as illustrated in the accompanying representations The base plate shown in broken lines does not form part of the protection claimed. The base plate receives a number of post mounts therein. Outer sides of the base plate form a spacer between a substrate to which the post mount is attached and an end of a post attached over the post mount.



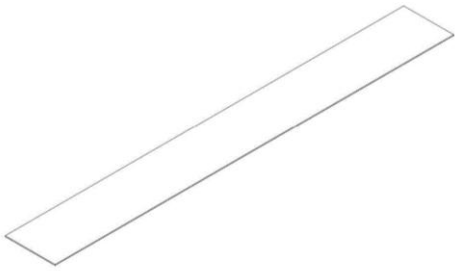
21: F2024/00241 22: 2024-03-04 23:
43: 2024-10-11
52: Class 24 24: Part F
71: BIOCORP PRODUCTION S.A., à Conseil d'Administration
33: WO 31: DM/233687 32: 2023-11-28
54: AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN
57: The drawing shows a perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.



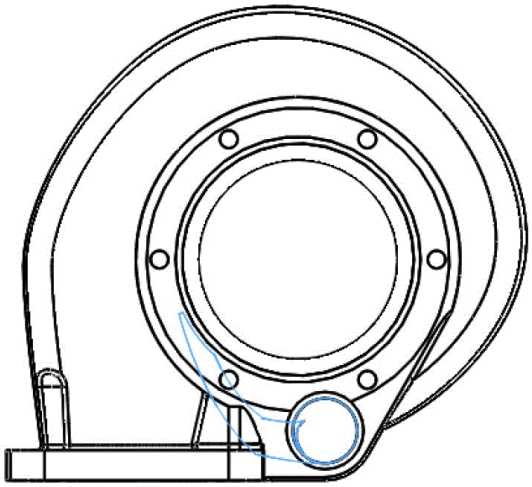
21: F2024/00244 22: 2024-03-04 23:
43: 2024-10-11
52: Class 24 24: Part F
71: BIOCORP PRODUCTION S.A., à Conseil d'Administration
33: WO 31: DM/233692 32: 2023-11-28
54: AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN
57: The drawing shows a perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.



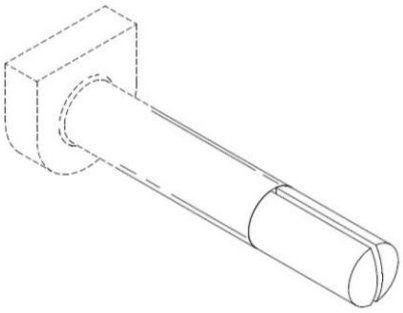
21: F2024/00245 22: 2024-03-04 23:
43: 2024-03-04
52: Class 25 24: Part F
71: FLOORFLEX (PTY) LTD.
54: A FLOOR TILE
57: The design is for a floor tile which is planar and rectangular. It is made of homogeneous vinyl and therefore has aesthetic characteristics (e.g., texture, look, feel) associated with this vinyl as well as other technical characteristics (e.g., wear rate, resilience, manufacturing process). It is made in a size which is non-standard for vinyl tiles, the size being 1,200 mm x 150 mm (L x W).



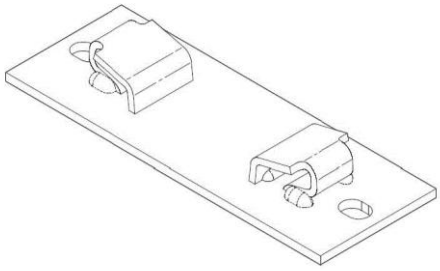
21: F2024/00248 22: 2024-03-06 23:
43: 2024-03-06
52: Class 15 24: Part F
71: University of the Witwatersrand, Johannesburg, BOOST MECHANICS (PTY) LTD.
54: A TURBOMACHINE DEFINING A BYPASS PATH
57: The design is a turbomachine which defines a bypass path. The turbomachine includes a turbine and turbine housing. The path extends and tapers from an inlet at a side of the turbine housing to an outlet at an interior of the housing. More specifically, the path extends transversely inwardly from the inlet and curves arcuately to extend rearwardly, while tapering. The path then extends rearwardly and upwardly, while tapering further, and the outlet has an elongate opening provided on a circumference of the interior.



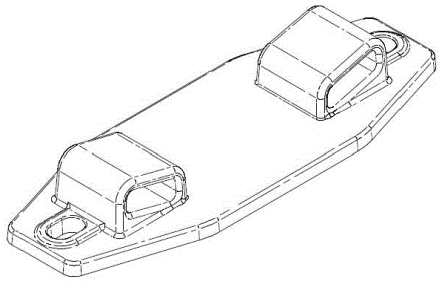
21: F2024/00250 22: 2024-03-07 23:
43: 2024-03-07
52: Class 12 24: Part F
71: PANDROL SA (PROPRIETARY) LIMITED
54: FISH PLATE BOLT
57: The design is for a fish plate (or connector plate or rail clamp) bolt for use in a railway, to connect two sections of rail. The fish plate bolt has a head and a shank. The shank is divided into a base portion which is solid and an end portion which has a slit. The slit is planar and extends diametrically and axially along the end portion, effectively dividing the end portion into two opposed halves.



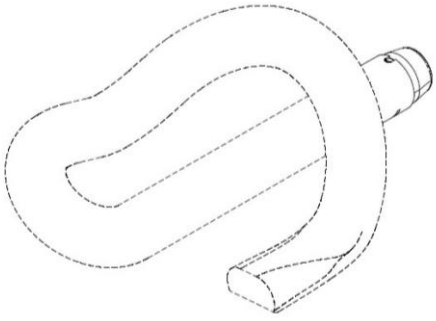
21: F2024/00251 22: 2024-03-07 23:
43: 2024-03-07
52: Class 12 24: Part F
71: PANDROL SA (PROPRIETARY) LIMITED
54: Base Plate Assembly
57: The design is for a base plate assembly for use in a railway. The base plate assembly comprises a rectangular base member and two opposed shoulders welded to the base member at opposite ends. The shoulders may be specific for 5-ton and 10-ton Pandrol SA clips.



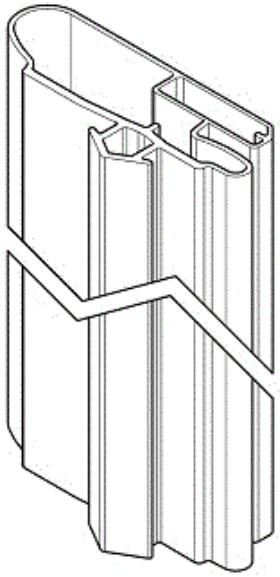
21: F2024/00253 22: 2024-03-07 23:
43: 2024-03-07
52: Class 12 24: Part F
71: PANDROL SA (PROPRIETARY) LIMITED
54: Base Plate
57: The design is for a base plate for use in a railway. The base plate is cast as a monolithic component and comprises a base member and two opposed shoulders integral therewith. The base member has an elongate, octagonal footprint with the shoulders being provided at opposite ends of the base member. The shoulders may be specific for 5-ton and 10-ton Pandrol SA clips.



21: F2024/00254 22: 2024-03-07 23:
43: 2024-03-07
52: Class 12 24: Part F
71: PANDROL SA (PROPRIETARY) LIMITED
54: RAIL CLIP
57: The design is for a rail clip for use in a railway. The rail clip includes a curved portion and a straight portion. The straight portion includes a tapered end with an enlarged or flared head at a tip of the tapered end.

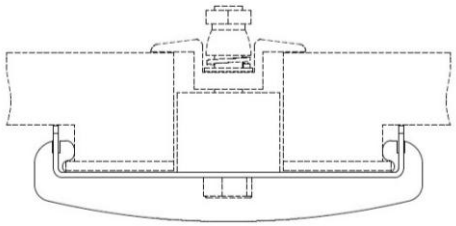


21: F2024/00256 22: 2024-03-08 23:
43: 2024-10-11
52: Class 15. 24: Part F
71: SEAL COOL INDUSTRIES (PTY) LTD
54: A Gasket for a Refrigeration Door
57: The design relates to a Gasket for a Refrigeration Door. The features of the design are those of shape and/or configuration.

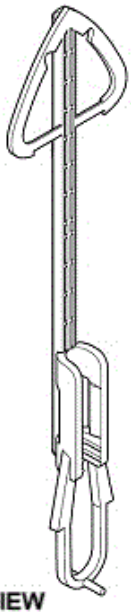


PERSPECTIVE VIEW

21: F2024/00260 22: 2024-03-12 23: 2023-09-27
43: 2023-09-27
52: Class 13 24: Part F
71: CRAIG, Shaun Neil
54: BRACKETS
57: The design relates to a bracket for locking adjacent solar panels together. The bracket includes a substantially U-shaped base which defines a central opening for receiving an upwardly protruding bolt. The bracket may also have a rectangular spacer, configured to receive the bolt through a central opening, on top of the base and a stepped top bracket which receives the bolt, on top of the spacer. A shear nut may be secured to a distal end of the bolt to retain the base, spacer and top bracket together. The base comprises a broad U-shaped planar part and a reinforcing rib which abuts a lower surface of the planar part and is orthogonally disposed relative thereto. Inwardly protruding gripping or hooking formations on ends of the rib protrude through corresponding openings in sides of the planar part. The rib has a central cut-out for accommodating a head of the bolt.

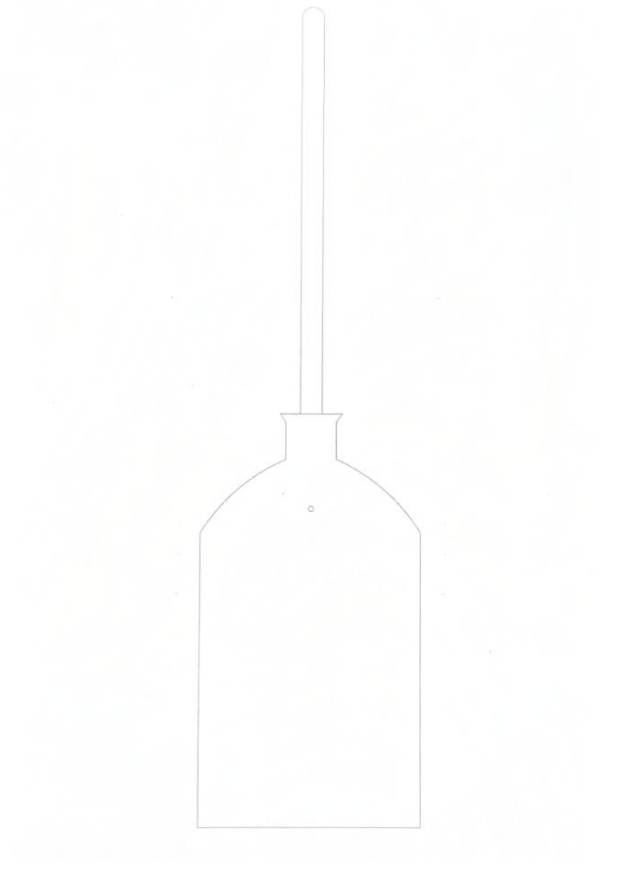


21: F2024/00283 22: 2024-03-18 23:
43: 2024-10-11
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Detonator Holder
57: The design relates to a detonator holder. The features of the design are those of shape and/or configuration.

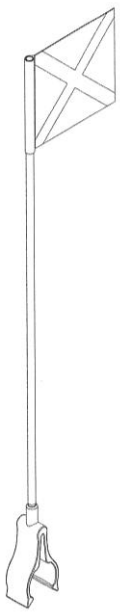


PERSPECTIVE VIEW

21: F2024/00327 22: 2024-04-03 23:
43: 2024-11-12
52: Class 08 24: Part F
71: YOGANATHAN GOVENDER
54: PLUNGER
57: The design relates to a plunger, the features of the design are those of shape and/or configuration and/or pattern



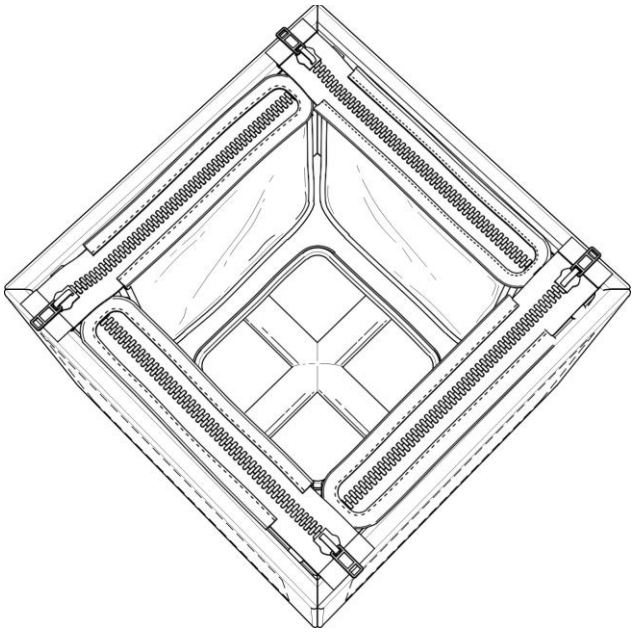
21: F2024/00332 22: 2024-04-05 23:
43: 2024-11-12
52: Class 13 24: Part F
71: AQUIRIAN TECHNOLOGY PTY LTD
33: AU 31: 202316726 32: 2023-10-06
54: CABLE MARKER
57: The design is for the shape or configuration of a cable marker for attachment to a power transmission cable for assisting in identifying the location of the cable on a mine site. The cable marker includes a connection means for connection to a power cable, a signal portion spaced apart from the connection means and an elongated member connecting the signal portion to the connection means. The symbol X on the signal portion does not form a part of the design.



21: F2024/00380 22: 2024-04-19 23: 2019-05-02
43: 2024-11-12
52: Class 20 24: Part F
71: Katlego Masibi
54: TAXI DRINK BOX
57: The TaxiDrinkBox's interior has 5 separate compartments—the 1st two compartments for beverages. The box can hold up to 28 cans and 6 bottles, the following compartment consists of the cooler. The last two compartments will house the wifi router/modem and mini storage. The exterior of the box contains an LED/LCD screen for displaying advertisements and dispatch doors.



21: F2024/00405 22: 2024-04-30 23:
43: 2024-11-12
52: Class 03 24: Part F
71: HLUMELO NYALUZA
54: A HANDBAG
57: The design relates to A HANDBAG. The features of the design for which protection is claimed include the shape and/or configuration of the Handbag substantially as illustrated in the accompanying representations.



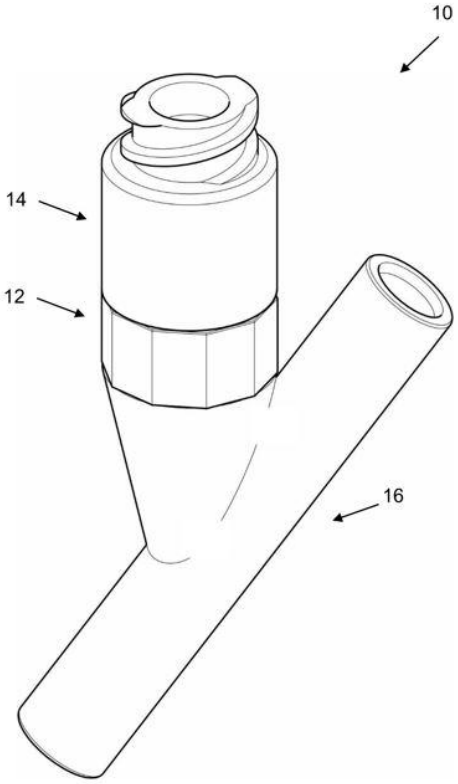


FIGURE 1: THREE-DIMENSIONAL VIEW

21: F2024/00413 22: 2024-04-30 23:
43: 2024-11-08
52: Class 24 24: Part F
71: M and L Medical Suppliers CC t/a VIVA Medical
54: TUBE CONNECTOR
57: The design is applied to a TUBE CONNECTOR. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the TUBE CONNECTOR, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

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 PRACTICE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

The trademark under application number **2020/17424** was advertised in the September 2024 journal with **"CAPITAL LETTERS"** which is incorrect, and it should have appeared as the one below, but the publication date will remain the **25/09/2024**.

2020/17424 in Class 38: Apparatus and instruments for recording, transmitting, reproducing or processing sound, images or data; magnetic data carriers, recorded and downloadable media, computer software, blank digital or analogue recording and storage media; data processing equipment; data carriers, transmitters, networks and cards; mobile phones; computers; application software and computer software for mobile phones; software; computers and computer peripheral devices and all goods ancillary or related to the aforesaid goods in class 09. in the name of CHANNEL TECHNOLOGIES FZE, a company incorporated under the laws of Dubai, Jebel Ali Free Zone, Office number FZJOA1813, Dubai, United Arab Emirates. Address for service: VON SEIDELS, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

Xtra Pack

Associated with: 2020/17423
Registration of this trade mark shall give no right to the exclusive use of the word "PACK", separately and apart from the mark. Applicant admits that registration of this trade mark shall not debar other persons from the bona fide descriptive use in the ordinary course of trade of the word "EXTRA" in its ordinary signification and apart from the mark. FILED: 2020-07-17

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for December 2024

Number of Advertised Patents: 458

Application Number	Patent Title	Filing Date
2012/03864	MOUNTING MAT	2012/05/25
2014/05320	INDUCED PLURIPOTENT STEM CELLS PREPARED FROM HUMAN KIDNEY-DERIVED CELLS	2014/07/18
2014/05612	SYSTEM FOR STORAGE AND TRANSPORTATION OF SPENT NUCLEAR FUEL	2014/07/29
2015/06887	PRODUCTION OF POLYPEPTIDES RELEVANT TO HUMAN AND ANIMAL HEALTH USING YARROWIA LIPOLYTICA	2015/09/16
2015/09102	DEVICE AND METHOD FOR FITTING AN ARTIFICIAL KNEE JOINT USING UNIVERSAL ELECTRONIC TEMPLATES WHICH CAN BE ADAPTED TO ALL ARTIFICIAL JOINTS	2015/12/14
2015/09301	ELECTRICAL SYSTEM, APPARATUS AND METHOD	2015/12/22
2015/09305	CONNECTION SYSTEM AND METHOD FOR ELECTRICAL OUTLETS	2015/12/22
2017/05749	SUBSTITUTED PYRAZOLE COMPOUNDS AS SERINE PROTEASE INHIBITORS	2017/08/23
2017/05874	NK-3 RECEPTOR ANTAGONISTS FOR THERAPEUTIC OR COSMETIC TREATMENT OF EXCESS BODY FAT	2017/08/29
2017/08005	METHOD AND APPARATUS FOR SHAPING GLASS SHEETS	2017/11/24
2017/08560	ELECTRONIC AEROSOL PROVISION SYSTEMS	2017/12/15
2017/08739	TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET	2017/12/21
2018/02403	LIQUID DETERGENT CONCENTRATE	2018/04/12
2018/03014	SYSTEM AND METHOD FOR AUTOMATED ADDRESS VERIFICATION	2018/05/08
2018/03076	IMPROVEMENTS IN OR RELATING TO ENERGETIC MATERIALS	2018/05/10
2018/03743	METHODS FOR PROCESSING NICKEL-BASE ALLOYS	2018/06/06

Application Number	Patent Title	Filing Date
2018/05919	ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF	2018/09/04
2018/06677	AN ASSEMBLY COMPRISING AT LEAST TWO ELEMENTS IN A MOVABLE ARRANGEMENT RELATIVE TO EACH OTHER AND AN ANTI-FOULING SYSTEM	2018/10/08
2018/07504	HIGHLY EFFECTIVE AND MULTIFUNCTIONAL MICROBIAL COMPOSITIONS AND USES	2018/11/08
2019/02140	ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF	2019/04/05
2019/02683	CERTIFIABLE DETERMINISTIC SYSTEM SOFTWARE FRAMEWORK FOR HARD REAL-TIME SAFETY-CRITICAL APPLICATIONS IN AVIONICS SYSTEMS FEATURING MULTI-CORE PROCESSORS	2019/04/29
2019/02687	METHOD AND APPARATUS FOR VERIFYING DOCUMENTS AND IDENTITY	2019/04/29
2019/03425	INSULIN CONTAINING PHARMACEUTICAL COMPOSITIONS	2019/05/29
2019/03667	CONJUGATION LINKERS, CELL BINDING MOLECULE-DRUG CONJUGATES CONTAINING THE LIKERS, METHODS OF MAKING AND USES SUCH CONJUGATES WITH THE LINKERS	2019/06/07
2019/04499	CAM GROOVING MACHINE WITH CAM STOP SURFACES	2019/07/09
2019/05070	TUMOR SELECTIVE TATA-BOX AND CAAT-BOX MUTANTS	2019/07/31
2019/05415	RESISTANCE WELDING OF UNWELDABLE METALS WITH THERMAL SPRAYED INTERLAYERS	2019/08/15
2019/05470	METHOD FOR GENERATING T CELLS PROGENITORS	2019/08/19
2019/05521	A METHOD AND SYSTEM FOR VALIDATING LOGGING DATA FOR A MINERAL SAMPLE	2019/08/21
2019/05525	ANTIBODIES BINDING TO VISTA AT ACIDIC PH	2019/08/21
2019/06039	RECOMBINANT YEAST HOST CELLS EXPRESSING CELL-ASSOCIATED HETEROLOGOUS PROTEINS	2019/09/12
2019/06547	METHOD FOR GENERATING A MITRAL REPAIR RING, AND MITRAL REPAIR RING	2019/10/04
2020/00332	MODIFIED MEMBRANE TYPE	2020/01/17

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	SERINE PROTEASE 1 (MTSP-1) POLYPEPTIDES AND METHODS OF USE	
2020/01413	A COMPOSITION FOR TREATING AND/OR PREVENTING HEPATITIS B VIRUS INFECTION AND THE USE THEREOF	2020/03/05
2020/02251	ROCK BOLT WITH MESHING ADAPTER	2020/05/04
2020/03240	NATIVE VALVE REPAIR DEVICES AND PROCEDURES	2020/05/29
2020/04073	TOUGH AND CORROSION RESISTANT WHITE CAST IRONS	2020/07/03
2020/04539	CROP TYPE CLASSIFICATION IN IMAGES	2020/07/22
2020/04594	USE OF TRADIPITANT IN MOTION SICKNESS	2020/07/24
2020/04824	SKIN BARRIER PREPARATION AND METHOD THEREFOR	2020/08/04
2020/04898	NAPHTHALENE ISOXAZOLINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS	2020/08/07
2020/05077	OPHTHALMIC COMPOSITIONS COMPRISING BILASTINE, A BETA-CYCLODEXTRIN AND AT LEAST ONE GELLING AGENT	2020/08/17
2020/05151	STEROID DERIVATIVE REGULATORS, METHOD FOR PREPARING THE SAME, AND USES THEREOF	2020/08/19
2020/05260	ACTIVATABLE ANTIBODIES AND METHODS OF MAKING AND USING THEREOF	2020/08/24
2020/05261	EPSILON TOXIN FROM CLOSTRIDIUM PERFRINGENS AS A VACCINE	2020/08/24
2020/05797	PHARMACEUTICAL COMPOSITION FOR VIRAL INFECTIONS	2020/09/18
2020/06007	PORTABLE COMBUSTION SYSTEM WITH FIRST AND SECOND AIR SOURCES	2020/09/29
2020/06210	PLANT EXPRESSION ENHANCER	2020/10/07
2020/06739	ANTIMICROBIAL AND ANTICANCER CATIONIC PHTHALOCYANINE COMPOUNDS	2020/10/28
2020/06942	PHARMACEUTICAL COMPOSITION FOR CONTROLLED RELEASE OF TREPROSTINIL	2020/11/06
2021/02051	LIP FOR EXCAVATING BUCKET	2021/03/26
2021/02619	2,3,5-TRIMETHYL-6-NONYLCYCLOHEXA-2,5-DIENE-1,4-DIONE FOR SUPPRESSING AND	2021/04/20

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	TREATING ALPHA-SYNUCLEINOPATHIES, TAUOPATHIES, AND OTHER DISORDERS	
2021/02709	ACTIVE SYSTEM FOR MONITORING AND FILTERING THE WATER FOR AN ESPRESSO COFFEE MACHINE AND ASSOCIATED ESPRESSO COFFEE MACHINE	2021/04/22
2021/02755	METHOD OF TREATING A PLATINUM-ALLOY CATALYST, A TREATED PLATINUM-ALLOY CATALYST, AND DEVICE FOR CARRYING OUT THE METHOD OF TREATING A PLATINUM-ALLOY CATALYST	2021/04/23
2021/02759	ROCK DRILL BIT FOR PERCUSSIVE DRILLING	2021/04/23
2021/03045	ANTIMICROBIAL DEVICE COMPRISING A CAP WITH RING AND INSERT	2021/05/05
2021/03100	BOOM MOUNTED SPRAY NOZZLE ASSEMBLY WITH MULTI CHECK VALVE COMPACT DESIGN	2021/05/07
2021/03126	METHOD AND APPARATUS FOR IMAGE CODING AND DECODING THROUGH INTER PREDICTION	2021/05/10
2021/03214	A SECOND GENERATION CURRENT CONVEYOR (CCII) HAVING A TUNABLE FEEDBACK NETWORK	2021/05/12
2021/03470	SYSTEMS AND METHODS FOR DETECTING AND MEASURING OXIDIZING COMPOUNDS IN TEST FLUIDS	2021/05/21
2021/03522	SYNERGISTIC HERBICIDE COMPOSITION OF BROAD-SPECTRUM FOR THE CONTROL OF WEEDS IN AGRICULTURAL CULTURES, USE OF SUCH COMPOSITION FOR PREPARATION OF PRODUCT, PRODUCT AND METHOD OF APPLICATION	2021/05/24
2021/03529	FLOW DIVIDER FOR SPINNER SPREADER	2021/05/24
2021/03543	ORAL CARE COMPOSITIONS COMPRISING A POLYVINYL CAPRALACTAM-POLYVINYL ACETATE-POLYETHYLENE GLYCOL GRAFT COPOLYMER, AND METHODS FOR THE SAME	2021/05/25
2021/03560	MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE	2021/05/25

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2021/03689	A SEMI-RIGID SACHET FOR BEVERAGE PREPARATION	2021/05/28
2021/03734	METHOD FOR CONTROLLING INTEGRATED RENEWABLE ELECTRIC GENERATION RESOURCE AND CHARGE STORAGE SYSTEM PROVIDING DESIRED CAPACITY FACTOR	2021/05/31
2021/03989	PHASE-CONJUGATING RETRODIRECTIVE CROSS-EYE RADAR JAMMING	2021/06/10
2021/04047	SHIELDING FACILITY AND METHOD OF MAKING THEREOF	2021/06/11
2021/04201	WIRE ROPE SAFETY BARRIER	2021/06/18
2021/04313	VASOPRESSIN RECEPTOR ANTAGONISTS AND PRODUCTS AND METHODS RELATED THERETO	2021/06/23
2021/04329	METHODS OF STARTING AN INVERTER SYSTEM, AND INVERTER SYSTEMS	2021/06/23
2021/04350	ARRANGEMENT, CIRCUIT BREAKER AND PRECHARGING DEVICE FOR A DC POWER NETWORK	2021/06/24
2021/04367	A BEVERAGE POD	2021/06/24
2021/04515	GENE THERAPY CONSTRUCTS FOR TREATING WILSON DISEASE	2021/06/29
2021/04563	ANTHELMINTIC LABORATORY ANIMAL MODEL FOR HEARTWORM	2021/06/30
2021/04565	INSERT FOR A JOURNAL LEG AND / OR A CONE CUTTER OF A ROTARY DRILL TOOL	2021/06/30
2021/04569	APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR DESIGNING BLASTING ORDER	2021/06/30
2021/04619	CAPSULE FOR FOOD OR BEVERAGE PREPARATION HAVING A DISPLACEABLE MEMBRANE FOR ENGAGEMENT WITH OPENING MEANS	2021/07/02
2021/04621	DEVICE AND METHOD FOR WIRELESS POWER TRANSFER	2021/07/02
2021/04663	AUTONOMOUS AERIAL VEHICLE FOR INTERVENTION ON ANIMALS	2021/07/05
2021/04713	HERBICIDAL COMPOSITIONS	2021/07/06
2021/04714	HERBICIDE COMPOSITIONS	2021/07/06
2021/04717	INTRAVENOUS THERAPY SYSTEM FOR BLOOD VESSEL DETECTION	2021/07/06
2021/04823	MAPPING SOIL PROPERTIES WITH SATELLITE DATA USING MACHINE LEARNING APPROACHES	2021/07/09
2021/04826	MANUFACTURING PROCESS FOR	2021/07/09

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	PRODUCING HERMETIC SINGLE-USE FOOD CONTAINERS SUCH AS COFFEE PODS, INCLUDING A CREASING STEP	
2021/04868	BIODEGRADABLE CONTAINER AND PLATE MATERIAL AND METHOD FOR THE MANUFACTURE THEREOF	2021/07/12
2021/04918	SUBSTRATE PROVIDED WITH A STACK HAVING THERMAL PROPERTIES AND AN ABSORBENT LAYER	2021/07/13
2021/04952	FORMULATION	2021/07/14
2021/05581	THREE-DIMENSIONAL PRINTING ON GLASS CONTAINERS	2021/08/06
2021/05646	QUICK-CHANGE SPLIT SHAFT	2021/08/10
2021/05779	BIODEGRADABLE PLASTIC	2021/08/13
2021/05780	BIODEGRADABLE PLASTIC	2021/08/13
2021/05887	SELECTIVE INHIBITOR OF PROTEIN ARGININE METHYLTRANSFERASE 5 (PRMT5)	2021/08/17
2021/05975	VARIANT AAV CAPSIDS FOR INTRAVITREAL DELIVERY	2021/08/19
2021/06067	TRICYCLIC DEGRADERS OF IKAROS AND AIOLOS	2021/08/23
2021/06097	N-HETEROCYCLIC FIVE-MEMBERED RING-CONTAINING CAPSID PROTEIN ASSEMBLY INHIBITOR, PHARMACEUTICAL COMPOSITION AND USES THEREOF	2021/08/24
2021/06159	ENTROPY CODING FOR VIDEO ENCODING AND DECODING	2021/08/25
2021/06308	DELIVERY OF BIOMOLECULES TO PBMCS TO MODIFY AN IMMUNE RESPONSE	2021/08/30
2021/06538	TOLL-LIKE RECEPTOR MODULATING 4,6-DIAMINO-PYRIDO[3,2-D]PYRIMIDINE COMPOUNDS	2021/08/24
2021/06551	ANTI-BAG2 ANTIBODY AND METHODS OF TREATING CANCER	2021/09/07
2021/07581	ENDOGENOUS PLANT EXPRESSION ENHANCER	2021/10/08
2021/07880	AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION AND METHOD FOR SPRAYING SAME	2021/10/15
2021/08091	CELLULOSE MATERIAL PLASTICIZATION AND VISCOSITY CONTROLLED CELLULOSIC MATERIAL	2021/10/21
2021/09133	SELF-ASSEMBLING PEPTIDES IN	2021/11/16

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	THE PREVENTION AND TREATMENT OF CAVITATED CARIOUS LESIONS	
2021/09457	RAILWAY TRUCK ASSEMBLY HAVING I-BEAM COMPONENTS	2021/11/24
2021/10119	DNA-CUTTING AGENT BASED ON CAS9 PROTEIN FROM THE BACTERIUM PASTEURELLA PNEUMOTROPICA	2021/12/07
2021/10556	BLAST HOLE TAMPING PLUG	2021/12/17
2022/02539	METHOD FOR THE MANUFACTURE OF PRODUCTS MADE FROM FIBROUS MATERIAL AND DISPOSABLE PRODUCTS MANUFACTURED ACCORDING TO THE METHOD	2022/03/01
2022/04824	ROCK DRILLING UNIT AND METHOD FOR CHARGING DRILLED HOLES	2022/04/29
2022/05007	PERSONAL CARE COMPOSITIONS FOR TREATING ODOR CAUSING BACTERIA AND METHODS FOR THE SAME	2022/05/06
2022/05286	PLACENTA-DERIVED ALLOGENEIC CAR-T CELLS AND USES THEREOF	2022/05/12
2022/05437	A WORKING ELECTRODE FOR A PHOTOVOLTAIC DEVICE, AND A PHOTOVOLTAIC DEVICE INCLUDING THE WORKING ELECTRODE	2022/05/17
2022/05737	SALTS AND POLYMORPHS OF CETHROMYCIN FOR THE TREATMENT OF DISEASE SALTS AND POLYMORPHS OF CETHROMYCIN	2022/05/24
2022/05757	AN APPARATUS FOR THE MEASUREMENT OF ORE IN MINE ORE BENCHES	2022/05/16
2022/05934	MAGNETIC ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES	2022/05/27
2022/06194	AIR VALVE	2022/06/03
2022/06441	PERSONAL CARE COMPOSITIONS AND METHODS FOR THE SAME	2022/06/09
2022/07054	OPEN CHANNEL FLOW MONITORING APPARATUS	2022/06/24
2022/07211	PEPTIDE DOCKING VEHICLE FOR TARGETED NUCLEIC ACID DELIVERY	2022/06/29

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2022/07476	PIF1-LIKE HELICASE AND APPLICATION THEREOF	2022/07/06
2022/07480	HIGH VISCOSITY POLYACRYLATE BASE FLUIDS	2022/07/06
2022/07484	ANODIZED BIOCIDAL METALLIC MATERIAL, PROCESS FOR MAKING THE MATERIAL AND METHOD FOR REACTIVATING THE MATERIAL	2022/07/06
2022/07541	SUBSTITUTED TRIAZINONES AS THYROID HORMONE RECEPTOR AGONISTS	2022/07/07
2022/07812	DEVICE AND METHOD FOR MILLING INPUT MATERIAL	2022/07/13
2022/08421	COMPOUNDS AND USES THEREOF	2022/07/27
2022/08598	ISOFORM-SELECTIVE ANTI-TGF-BETA ANTIBODIES AND METHODS OF USE	2022/08/01
2022/08677	TAIL GAS OF GAS FERMENTATION TO DRY GASIFICATION FEEDSTOCK	2022/08/03
2022/08856	PROCESS FOR PREPARING S-BEFLUBUTAMID BY RESOLVING 2-BROMOBUTANOIC ACID	2022/08/08
2022/08944	STABILIZED UREA CONTAINING FERTILIZER BLENDS	2022/08/10
2022/08945	A MULTI-LAYER SLEEPING COMPARTMENT	2022/08/10
2022/09104	INTRADIALYTIC USE OF SODIUM THIOSULFATE	2022/08/15
2022/09568	A PHENOTYPING DEVICE, METHOD AND SYSTEM FOR MEASURING PHENOTYPIC TRAITS OF ONE OR MORE PLANTS IN A TARGET CANOPY	2022/08/26
2022/09569	DEVICE AND METHOD FOR KNOTTING A THREAD END	2022/08/26
2022/09699	NOVEL ANTIBODIES	2022/08/30
2022/09965	RECYCLABLE PAPER PACKAGING WITH HIGH BARRIER TO WATER VAPOR AND OXYGEN	2022/09/07
2022/10200	A PEDESTAL LINER	2022/09/14
2022/10482	METHOD AND DEVICE FOR THE PRODUCTION OF CEMENT CLINKER	2022/09/21
2022/10727	A CENTRE PIVOT LINER	2022/09/28
2022/10910	HOT AND COLD SECTION DRONE DOCKING STATION TEMPERATURE CONTROLLED DEVICE	2022/10/04
2022/10939	SAFETY DEVICE FOR WORK ON ELECTRICAL SYSTEMS	2022/10/05
2022/11257	COMPOSITION	2022/10/13
2022/11415	METHANOL-TO-OLEFIN	2022/10/18

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	CONVERSION METHOD	
2022/12950	HEATSINK	2022/11/29
2023/00390	FLAT NOZZLE DEVICE	2023/01/09
2023/00440	FACIAL RECOGNITION METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2023/01/10
2023/00449	METHOD AND APPARATUS FOR DETERMINING A STATE OF A CAPACITIVE VOLTAGE TRANSFORMER	2023/01/10
2023/00525	AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR SUBPICTURE SIGNALLING IN SEQUENCE PARAMETER SET	2023/01/12
2023/00771	METHACRYLIC RESIN COMPOSITION AND MOLDED ARTICLE	2023/01/17
2023/01039	CHAIN MONITORING SYSTEMS AND METHODS	2023/01/24
2023/01543	METHODS AND SYSTEMS FOR ALIGNING A COMMISSURE OF A PROSTHETIC HEART VALVE WITH A COMMISSURE OF A NATIVE VALVE	2023/02/07
2023/02526	ARCHITECTURAL TOY CONSTRUCTION KIT	2023/02/24
2023/03422	A PROCESS FOR THE CONVERSION OF FURFURYL ALCOHOL INTO A LEVULINATE ESTER	2023/03/08
2023/03446	TRANSMISSION METHOD AND APPARATUS FOR MIMO SYSTEM	2023/03/09
2023/04149	METHOD FOR MONITORING A RAILWAY TRACK AND MONITORING UNIT FOR MONITORING A RAILWAY TRACK	2023/04/04
2023/04150	PREPARATION OF OXINDOLE DERIVATIVES AS NOVEL DIACYLGLYCERIDE O-ACYLTRANSFERASE 2 INHIBITORS	2023/04/04
2023/04437	PORTABLE POWER SYSTEM	2023/04/14
2023/04777	DECODER SIDE INTRA MODE DERIVATION FOR MOST PROBABLE MODE LIST CONSTRUCTION IN VIDEO CODING	2023/04/25
2023/04811	DEVICE AND METHOD FOR CONTROLLABLY CARRYING OUT A CHEMICAL REACTION	2023/04/26
2023/04851	BUILDING MANAGEMENT SYSTEM AND METHOD	2023/04/28
2023/04929	SYSTEM AND METHOD FOR REPEATABLE ALIGNMENT OF	2023/05/03

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	BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT	
2023/04937	DEVICE FOR REPRODUCABLE ALIGNMENT OF BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT	2023/05/03
2023/05052	PEDICLE SCREW	2023/05/08
2023/05054	AMORPHOUS SOLID SUCCINYLATED 3-(FATTY ACID AMIDO)-2-HYDROXY-1-(PROTECTED HYDROXY)-PROPANE SALTS AND METHODS OF MAKING THE SAME	2023/05/08
2023/05651	FLUIDIZED BED HEAT EXCHANGER AND METHOD	2023/05/25
2023/05698	STABLE CORONAVIRUS PROTEINS AND VACCINE COMPOSITIONS THEREOF	2023/05/26
2023/05813	CONJUGATED ZEARALENONE TO PROTECT AGAINST MYCOTOXICOSIS	2023/05/30
2023/06142	CLOSURE FOR A CONTAINER	2023/06/09
2023/06258	SYSTEMS AND METHODS FOR MIXING SYRINGE VALVE ASSEMBLIES	2023/06/14
2023/06430	MULTI-LINK MEASUREMENT REPORTING	2023/06/21
2023/06666	GLOBAL MOTION ESTIMATION USING ROAD AND GROUND OBJECT LABELS FOR GEOMETRY-BASED POINT CLOUD COMPRESSION	2023/06/28
2023/06751	PLANT-BASED SYNTHESIS PRODUCTS	2023/06/30
2023/06816	METHOD OF INDUSTRIAL PROCESSING OF A BULK MATERIAL	2023/07/04
2023/06818	FLUSHING ELEMENT, ROCK DRILLING MACHINE AND METHOD	2023/07/04
2023/06915	METHOD OF PRODUCING CELLULOSE CARBAMATE	2023/07/07
2023/07191	HEEL SHROUD FOR MATERIAL MOVING IMPLEMENT AND ASSOCIATED METHODS	2023/07/18
2023/07293	METHODS OF TREATMENT WITH S1P RECEPTOR MODULATORS	2023/07/21
2023/07406	METHOD FOR CONTROLLING HARMFUL ARTHROPODS OR HARMFUL NEMATODES USING ZOANTHAMINE	2023/07/25
2023/07643	PREPHENATE DEHYDRATASE	2023/08/02

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	VARIANT AND METHOD FOR PRODUCING BRANCHED-CHAIN AMINO ACID USING SAME	
2023/07649	SEAWEED EXTRACT	2023/08/02
2023/07650	SEAWEED EXTRACT	2023/08/02
2023/07681	ELECTRONIC DEVICE INCLUDING FLEXIBLE PRINTED CIRCUIT BOARD	2023/08/03
2023/07682	FLEXIBLE CIRCUIT BOARD AND FOLDABLE ELECTRONIC DEVICE COMPRISING SAME	2023/08/03
2023/07703	STRUCTURE PROTECTION SHEET, CONCRETE BLOCK, AND METHOD FOR MANUFACTURING REINFORCED STRUCTURE	2023/08/04
2023/07717	ELECTRONIC DEVICE COMPRISING WATERPROOF STRUCTURE	2023/08/04
2023/07718	DISPLAY MODULE CAPABLE OF RECOGNIZING PEN INPUT DEVICE, AND ELECTRONIC DEVICE COMPRISING DISPLAY MODULE	2023/08/04
2023/07721	SHAPED TOILET CLEANER BLOCK	2023/08/04
2023/07750	HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE	2023/08/07
2023/07751	HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE	2023/08/07
2023/07752	GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD	2023/08/07
2023/07757	INTERLOCKING REVERSE HIP PROSTHESIS WITH REMOVABLE TAPERED CENTRAL POST	2023/08/07
2023/07791	QUINAZOLINE COMPOUND FOR INDUCING DEGRADATION OF G12D MUTANT KRAS PROTEIN	2023/08/08
2023/07856	APPARATUS AND METHOD FOR EXFOLIATING GRAPHITE	2023/08/11
2023/07858	RETAINER AND CORRESPONDING WEAR MEMBER	2023/08/11
2023/07859	LATCHING SYSTEM FOR DIPPER	2023/08/11
2023/07918	SMALL MOLECULE ACTIVATORS OF YAP TRANSCRIPTIONAL ACTIVITY FOR REGENERATIVE ORGAN REPAIR	2023/08/15
2023/07919	HAIR TREATMENT COMPOSITION	2023/08/15
2023/07986	METHOD FOR PRODUCING PROTEIN MATERIAL	2023/08/17
2023/08022	APOLIPOPROTEIN C3 (APOC3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF	2023/08/18

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2023/08038	METHODS, APPARATUSES, DEVICES, AND STORAGE MEDIA FOR ENCODING OR DECODING	2023/08/18
2023/08041	REMOVABLE LOCKING DEVICE	2023/08/18
2023/08074	METHODS OF TRANSPORTING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS AND REDUCING CARBON DIOXIDE EMISSIONS	2023/08/21
2023/08077	SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT	2023/08/21
2023/08078	METHODS OF PREPARING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT	2023/08/21
2023/08079	RECEIVERS FOR SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT	2023/08/21
2023/08080	TOPICAL FORMULATION CONTAINING DISPERSED PREGABALIN	2023/08/21
2023/08081	TOPICAL FORMULATION CONTAINING MODIFIED PHOSPHOLIPID COMPOUNDS	2023/08/21
2023/08082	METHODS AND SYSTEMS OF TREATING WATER	2023/08/21
2023/08083	ANGULAR ANNEALING PROCESS	2023/08/21
2023/08120	MULTISPECIFIC ANTI-TCR DELTA VARIABLE 1 ANTIBODIES	2023/08/22
2023/08121	MULTIFACTOR AUTHENTICATION THROUGH CRYPTOGRAPHY-ENABLED SMART CARDS	2023/08/22
2023/08150	SNUBBER SYSTEM FOR RETARDING SWINGING MOVEMENT OF DOORS OF DIPPERS	2023/08/23
2023/08193	FUNCTIONALIZED LONG-CHAIN CARBOXYLIC ACIDS, AND THEIR USE FOR TREATMENT OF DISEASE	2023/08/24
2023/08195	AN EFFICIENT BOILING CHLORINATION METHOD FOR CARBONIZED SLAG	2023/08/24
2023/08216	ELECTRONIC DEVICE COMPRISING BREAKAGE PREVENTION STRUCTURE	2023/08/25
2023/08219	SYSTEM AND METHOD FOR	2023/08/25

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	AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL	
2023/08220	FLAP VALVE FOR DIAPHRAGM PUMP	2023/08/25
2023/08258	COMPOSITIONS COMPRISING NATURALLY DERIVED PRESERVATIVES	2023/08/28
2023/08263	ELECTRONIC DEVICE COMPRISING FLEXIBLE DISPLAY, AND METHOD FOR CONTROLLING SAME	2023/08/28
2023/08264	ELECTRONIC DEVICE COMPRISING SPEAKER MODULE	2023/08/28
2023/08265	FEEDER	2023/08/28
2023/08270	COUPLER AND VEHICLE WITH COUPLER	2023/08/28
2023/08271	GAS DISTRIBUTION DEVICE AND CHLORINATION FURNACE	2023/08/28
2023/08272	A ROTARY CONTINUOUS LEACHING DEVICE FOR VANADIUM SLAG CALCIFICATION ROASTING CLINKER	2023/08/28
2023/08273	FEEDER	2023/08/28
2023/08331	MYCOBACTERIUM TUBERCULOSIS COMPOSITIONS AND METHODS	2023/08/29
2023/08332	DEVICE AND METHOD FOR STAGED ABSORPTION AMMONIA-BASED DECARBONIZATION	2023/08/29
2023/08334	METHOD AND DEVICE FOR PRODUCING AMMONIUM BICARBONATE IN AMMONIA-BASED DECARBONIZATION SYSTEM	2023/08/29
2023/08387	MULTI-STAGE AMMONIA-PROCESS DECARBONIZATION METHOD	2023/08/30
2023/08391	PRODUCT FOR MACHINE DISHWASHING IN THE FORM OF A CAPSULE WITH MULTIPLE COMPARTMENTS	2023/08/30
2023/08393	DISPENSER OF PARASITICIDAL SUBSTANCES	2023/08/30
2023/08394	COOLING APPARATUS AND METHOD FOR AMMONIA-BASED DECARBONIZATION	2023/08/30
2023/08395	METHOD AND DEVICE FOR WASTE HEAT RECOVERY IN AMMONIA-BASED DESULFURIZATION AND DECARBONIZATION SYSTEM	2023/08/30
2023/08396	DEVICE AND METHOD FOR CONTROLLING AMMONIA ESCAPE IN AMMONIA-BASED DECARBONIZATION SYSTEM	2023/08/30
2023/08448	EDUCATION BASED RECORD	2023/09/01

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	KEEPING SYSTEM	
2023/08731	FITTED FACE MASK APPARATUS	2023/09/13
2023/08856	APPARATUS FOR STABILIZATION OF AN INSTRUMENTATION PLATFORM	2023/09/19
2023/08865	SUCCINATE DEHYDROGENASE INHIBITORS FOR BREAKING DORMANCY	2023/09/19
2023/08897	NOVEL ELECTROCHEMILUMINESCENCE CO-REACTANT, AND ELECTROCHEMILUMINESCENCE SYSTEM COMPRISING SAME	2023/09/20
2023/08899	ENCODING DEVICE, DECODING DEVICE, ENCODING METHOD, AND DECODING METHOD	2023/09/20
2023/08915	AN ELECTRICAL SURGE SUPPRESSOR	2023/09/20
2023/09093	L-AMINO-ACID-PRODUCING CORYNEBACTERIUM SP. MICROORGANISM, AND METHOD FOR PRODUCING L-AMINO ACIDS BY USING SAME	2023/09/27
2023/09147	METHOD AND SYSTEM FOR STEAMCRACKING	2023/09/28
2023/09148	GAS-COOLED MICRO-REACTOR CORE AND GAS-COOLED MICRO-REACTOR	2023/09/28
2023/09242	HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM	2023/10/03
2023/09243	HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM	2023/10/03
2023/09460	PROCESS AND SYSTEM FOR PRODUCING A PRODUCT HYDROCARBON	2023/10/10
2023/09488	ORAL FORMULATION CONTAINING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID	2023/10/11
2023/09497	ANTENNA MAST STRUCTURE	2023/10/11
2023/09747	CONSTRUCTION METHOD FOR ON-SITE FORMING OF THE CENTRAL DITCH OF HIGHWAY TUNNEL	2023/10/19
2023/09748	CONSTRUCTION METHOD FOR REDUCING REBOUND RATE OF SHOTCRETE	2023/10/19
2023/09774	COMBINATION OF ANTI-GALECTIN-9 ANTIBODIES AND CHEMOTHERAPEUTICS FOR USE IN CANCER THERAPY	2023/10/19
2023/09950	SYSTEM AND METHOD FOR EXECUTING AN ASSEMBLY TASK BY MEANS OF A ROBOT	2023/10/25

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2023/10143	TREATMENT OF AUTONOMIC DISORDERS WITH BOTULINUM TOXIN	2023/10/31
2023/10245	NOBLE METAL EXTRACTION METHOD AND APPARATUS	2023/11/02
2023/10746	METHOD TO CLASSIFY, DESIGN AND MANUFACTURE A METALLIC PART	2023/11/21
2023/10749	HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME	2023/11/21
2023/10753	APERTURED HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME	2023/11/21
2023/10802	CLOSURE CAP	2023/11/22
2023/10806	QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER	2023/11/22
2023/10829	QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER	2023/11/23
2023/10873	TRACKING ARRANGEMENT	2023/11/24
2023/10969	APPARATUS AND METHOD FOR BREEDING INSECTS IN A HIGH-BAY STORE	2023/11/28
2023/10973	GAS ATOMIZER	2023/11/28
2023/11074	ATOMIZER RESERVOIR	2023/11/30
2023/11415	REMOVABLE CARTRIDGE CONVEYOR BELT CLEANER	2023/12/12
2024/00155	USE OF MONOCLONAL ANTIBODIES AGAINST THE EPIDERMAL GROWTH FACTOR RECEPTOR IN THE TREATMENT OF PATIENTS WITH ACUTE HYPOXAEMIC RESPIRATORY FAILURE	2024/01/03
2024/00997	CATALYST SUPPORT STRUCTURES AND METHODS	2024/01/30
2024/01195	PATH STUDY AND ANTENNA LOCATING SYSTEMS AND METHODS	2024/02/07
2024/01490	BODY MILK	2024/02/20
2024/01566	FLUID SHUT-OFF DEVICE	2024/02/22
2024/01924	METHOD OF DETERMINING A SOUND ABSORPTION COEFFICIENT OF A TARGET MATERIAL AND SYSTEM THEREFOR	2024/03/07
2024/01981	CIRCULAR KNITTING MACHINE FOR HOSIERY OR THE LIKE AND METHOD FOR PROVIDING A TUBULAR ITEM	2024/03/08
2024/01989	RADIATION SOURCE HOLDER WITH ORIENTATION-INDEPENDENT	2024/03/08

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	INNER EXPANSION VOLUME	
2024/02045	ANTIBIOTIC PYRAZINOTHIAZINE DERIVATIVES AND PROCESS OF PREPARATION THEREOF	2024/03/12
2024/02083	SMALL MOLECULE COMPOUNDS HAVING NAPHTHYLAMINE STRUCTURE AND APPLICATION THEREOF	2024/03/13
2024/02171	REEF CUTTING MACHINE	2024/03/18
2024/02236	METHOD AND DEVICE FOR INSPECTING EGGS CONTACTLESSLY	2024/03/19
2024/02258	SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT	2024/03/20
2024/02259	SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT	2024/03/20
2024/02260	A COMPOSTING MACHINE	2024/03/20
2024/02282	NON-ROTATING ELLIPTICAL IRIS DIAPHRAGM	2024/03/20
2024/02289	NOVEL SULFONATE COMPOUNDS	2024/03/20
2024/02290	NOVEL AMINE-N-OXIDE COMPOUNDS	2024/03/20
2024/02301	ANTIMICROBIAL PACKAGING	2024/03/20
2024/02322	A DISPENSER	2024/03/22
2024/02370	TWO-PHASE CONNECTOR	2024/03/25
2024/02376	PEDESTAL BEARING AND PRODUCTION PLANT WITH SUCH A PEDESTAL BEARING	2024/03/25
2024/02379	A UV GERMICIDAL TREATMENT SYSTEM FOR OPAQUE LIQUIDS	2024/03/25
2024/02383	IMIDAZO[1,2-A]PYRIDINE DERIVATIVES	2024/03/25
2024/02385	OPERATION RANGE EXTENSION FOR VERSATILE VIDEO CODING	2024/03/25
2024/02396	HYDROPNEUMATIC SYSTEM PROVIDED WITH HYDROPNEUMATIC CYLINDERS FOR SUSPENSIONS OF VEHICLE WHEEL ASSEMBLIES, AND RELATIVE VEHICLE	2024/03/26
2024/02411	HANDS-FREE DEVICES AND METHODS FOR THE PREVENTION AND TREATMENT OF MIGRAINES AND OTHER HEAD AND NECK DISORDERS	2024/03/26
2024/02424	TRANSMISSION ASSEMBLY FOR SWITCHBOX	2024/03/26
2024/02435	NITROGEN-CONTAINING TRICYCLIC COMPOUND AND PHARMACEUTICAL USE THEREOF	2024/03/26

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2024/02474	GLAZED PANEL DEVICE AND ASSOCIATED INSTALLATION METHOD	2024/03/27
2024/02481	CONSTRUCTION SYSTEM FOR ASSEMBLY OF A STRUCTURAL CONSTRUCTION	2024/03/27
2024/02490	METHOD FOR REDUCING CARBON FOOTPRINT IN OPERATING A METALLURGICAL PLANT FOR PRODUCING PIG IRON	2024/03/27
2024/02492	NEW INTERLEUKIN-7 IMMUNOCONJUGATES	2024/03/27
2024/02504	DEVICE FOR COLLECTING LIQUIDS	2024/03/27
2024/02505	CIRCULAR GRIT REMOVER WITH TUBE SETTLERS	2024/03/27
2024/02507	TRICYCLIC POLYPEPTIDE CONJUGATED DRUG AND USE THEREOF	2024/03/27
2024/02511	COMPOSITIONS AND METHODS FOR PRODUCING CIRCULAR POLYRIBONUCLEOTIDES	2024/03/27
2024/02520	A DEVICE AND METHOD FOR HEATING WATER AND COOKING	2024/04/02
2024/02535	EQUIPMENT FOR SEPARATING CAPS FROM THEIR CONDITIONING TRAY	2024/04/02
2024/02544	TELESCOPIC ARM FOR SELF-PROPELLED OPERATING MACHINES	2024/04/02
2024/02554	FUNGICIDAL COMPOSITIONS COMPRISING FLUDIOXONIL	2024/04/02
2024/02628	A ROOT BUSHING, A BUSHING INSERT THEREOF, A WIND TURBINE BLADE COMPRISING SAID ROOT BUSHING AND A MANUFACTURING METHOD THEREOF	2024/04/04
2024/02642	PICTURE FRAME	2024/04/05
2024/02648	NOVEL GREEN LITHIUM IRON PHOSPHATE PRECURSOR, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2024/04/05
2024/02657	PRESS MOLDING METHOD OF A CUP SHAPED FIBER PRODUCT, A FIBER PRESS MOULD AND A CUP SHAPED FIBER PRODUCT	2024/04/05
2024/02658	ACTIVATION OF LATE RESPONSE GENES USING NEUROMODULATION	2024/04/05
2024/02661	BIOMASS GASIFICATION AND WASTE INCINERATION	2024/04/05

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	INTEGRATED FURNACE	
2024/02684	APPARATUS AND METHOD FOR MANUFACTURING SAUSAGES	2024/04/08
2024/02700	CHARGING SEAT FOR HIGH-PRECISION TERMINAL CENTERING AND MOTOR VEHICLE	2024/04/08
2024/02722	A MODULAR MERCHANDISE DISPLAY	2024/04/09
2024/02744	DATA OFFLOADING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2024/04/09
2024/02746	GLOVE STRUCTURE	2024/04/09
2024/02748	DUAL CLUTCH ASSEMBLY, HYBRID POWER SYSTEM, AND VEHICLE	2024/04/09
2024/02765	CONCRETE WALL STRUCTURES	2024/04/10
2024/02778	MEMBRANE FILTER AND METHOD FOR PRODUCING A MEMBRANE FILTER	2024/04/09
2024/02814	VALVE CONNECTOR FOR MEDICAL LINES	2024/04/11
2024/02837	HORTICULTURE TRAY SUPPORT SYSTEM	2024/04/11
2024/02850	SEED DISTRIBUTORS	2024/04/12
2024/02868	TREATMENT METHOD FOR RETINAL DEGENERATION	2024/04/12
2024/02900	TOWER TUBE SECTION, TOWER FRAME, WIND TURBINE GENERATOR SET, MOLD, AND FORMING METHOD	2024/04/15
2024/02949	SAFE HARBOR LOCI	2024/04/17
2024/02979	COSMETIC PREPARATION CONTAINING LIME GLASS BEADS WITH HIGH SPECIFIC WEIGHT	2024/04/17
2024/02983	AGROCHEMICAL FORMULATIONS FOR MITIGATING CRYSTALLIZATION	2024/04/17
2024/03000	PROCESS FOR THE PREPARATION OF OSMIUM SPONGE	2024/04/18
2024/03006	METHOD FOR SEPARATING MIXED SOLUTION CONTAINING HYDROGEN FLUORIDE AND SULFURIC ACID	2024/04/18
2024/03044	A VISUAL DETECTION METHOD FOR INFECTIOUS HEMATOPOIETIC NECROSIS VIRUS AND ITS APPLICATION	2024/04/19
2024/03048	A DECISION-MAKING METHOD FOR EFFICIENT EMERGENCIES RESCUE PORTS FOR ARCTIC MARITIME EMERGENCIES	2024/04/19
2024/03102	SPREADER DEVICE FOR INTEGRAL LIFTING	2024/04/22

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2024/03125	LOGISTICS TRANSPORTATION COLLISION AVOIDANCE METHOD FOR X-RAY INSPECTION	2024/04/23
2024/03126	SYSTEM AND METHOD FOR TRANSLATING ENGLISH TEXT INTO INDIAN SIGN LANGUAGE (ISL) GESTURES	2024/04/23
2024/03127	A HIGH-DIELECTRIC ALUMINUM-DOPED PEROVSKITE STRUCTURE HIGH-ENTROPY MICROWAVE DIELECTRIC CERAMIC AND ITS PREPARATION METHOD	2024/04/23
2024/03128	FREQUENCY RECONFIGURABLE ANTENNA	2024/04/23
2024/03129	BEAM STEERING-SWITCHING ARRAY	2024/04/23
2024/03141	HYBRID POWER SYSTEM FOR BRIDGE ERECTING MACHINE	2024/04/23
2024/03183	ULTRASONIC SCALPEL, ENERGY INSTRUMENT FOR SURGERY, AND POWER ADJUSTMENT METHOD THEREFOR	2024/04/24
2024/03184	SURGICAL ELECTRIC INSTRUMENT AND ULTRASONIC SCALPEL	2024/04/24
2024/03207	PLUMBING FITTINGS BOX AND LEAK DETECTION SYSTEM	2024/04/25
2024/03209	IMPEDANCE ADAPTOR	2024/04/25
2024/03210	FREQUENCY HOPPING	2024/04/25
2024/03224	METHOD FOR PURIFYING IRON-CHROMIUM ELECTROLYTE, AND IRON-CHROMIUM ELECTROLYTE THEREBY OBTAINED	2024/04/25
2024/03230	BICYCLIC AMINE DERIVATIVES AS GABAA ?5 RECEPTOR MODULATORS	2024/04/25
2024/03238	SOIL HEALTH INDEX DETECTION DEVICE	2024/04/26
2024/03292	NONWOVEN MATERIAL COMPRISING CRIMPED MULTICOMPONENT FIBERS	2024/04/26
2024/03300	LIGHT SPOT POSITION MEASURING INSTRUMENT	2024/04/29
2024/03301	METHOD OF USING NET CAGES TO BREED MONOPTERUS ALBUS IN AQUACULTURE POND	2024/04/29
2024/03306	HEALTH MANAGEMENT SYSTEM BASED ON WARD PATIENTS	2024/04/29
2024/03314	DIRECT HEAT EXCHANGE FILL	2024/04/29
2024/03318	LARGE-SCALE ENVIRONMENT-FRIENDLY 3D PRINTER WITH AUTOMATIC FEEDING SYSTEM	2024/04/29
2024/03336	CLOCK CRYSTAL OSCILLATOR	2024/04/29

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	SYNCHRONIZATION METHOD, APPARATUS AND SYSTEM	
2024/03344	TRANSPORT TROLLEY FOR PLATE PROCESSING	2024/04/30
2024/03345	HIGH-STABILITY HYDRAULIC TRUCK	2024/04/30
2024/03355	SINGLE DOMAIN ANTIBODIES BINDING TO TETANUS NEUROTOXIN	2024/04/30
2024/03358	AN ATTENDANCE SYSTEM	2024/04/30
2024/03365	CHEMOLYTIC UPGRADING OF LOW-VALUE MACROMOLECULE FEEDSTOCKS TO HIGHER-VALUE FUELS AND CHEMICALS	2024/04/30
2024/03394	A MACHINE LEARNING BASED GROUP RECOMMENDATION SYSTEM	2024/05/02
2024/03395	A COUPON POOLING SYSTEM	2024/05/02
2024/03396	A FALL GUARDIAN BAND	2024/05/02
2024/03397	AN IOT BASED SENSING AND AUTOMATION IN KABADDI COURTS	2024/05/02
2024/03398	AN INVENTORY MANAGEMENT SYSTEM	2024/05/02
2024/03399	A REAL-TIME HIVE WELLNESS SURVEILLANCE SYSTEM	2024/05/02
2024/03400	TOUCH SPEAK BRAILLE LEARNER	2024/05/02
2024/03401	AN AUTONOMOUS SELF BALANCING ROBOT	2024/05/02
2024/03402	A WASTE PROCESSING MACHINE FOR CONVERTING FOOD WASTE INTO A USABLE	2024/05/02
2024/03403	A MOTORCYCLE SHARING AND TRACKING SYSTEM	2024/05/02
2024/03404	AUTOMATIC LOGIN SYSTEM	2024/05/02
2024/03405	HYBRID MATRIX MULTIPLIER	2024/05/02
2024/03427	A NOVEL BACTERIAL CONSORTIUM FOR PLANT GROWTH IN HEAVY METALS AND SALINITY	2024/05/03
2024/03428	A NOVEL BACTERIAL COMPOSITION FOR PLANT GROWTH	2024/05/03
2024/03430	CLOSED THORACIC DRAINAGE DEVICE	2024/05/03
2024/03450	METHOD FOR IMPROVING QUALITY OF ACER TRUNCATUM SEEDLINGS AND NURSERY STOCKS BY WATER-FERTILIZER COUPLING	2024/05/06
2024/03465	CRYSTAL FORM OF ISOBUTYRATE NUCLEOSIDE COMPOUND, AND PREPARATION METHOD	2024/05/06
2024/03471	METHOD FOR IMPROVING NET PHOTOSYNTHETIC RATE OF ACER	2024/05/07

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	TRUNCATUM IN SEEDLING PERIOD	
2024/03474	NEGATIVE PRESSURE STABILIZING DEVICE FOR UNDERGROUND GAS PUMPING AND DRAINAGE IN COAL MINES	2024/05/07
2024/03476	METHOD FOR DETECTING AND EVALUATING ENGINEERING PLASTICS BASED ON COMPONENT ANALYSIS	2024/05/07
2024/03477	AN EFFICIENT SELF-DETECTION DEVICE FOR PATIENTS WITH EARLY WARNING OF CEREBRAL HEMORRHAGE	2024/05/07
2024/03478	INSERTION-DELETION MOLECULAR MARKERS TIGHTLY LINKED TO REGULATION OF FRUIT LENGTH TRAITS OF SOLANUM MELONGENA AND APPLICATION	2024/05/07
2024/03494	DISINFECTION OF SURFACES IN CONFINED ENVIRONMENTS	2024/05/07
2024/03522	PREPARATION METHOD OF BIOCHAR FOR SYNCHRONOUS PURIFICATION OF VOLATILE ORGANIC POLLUTANTS	2024/05/08
2024/03526	FAST ASSEMBLY AND DISASSEMBLY EQUIPMENT AND METHOD FOR DEPOSITED NANOMATERIALS BY MAGNETOELECTRIC SYNERGY EFFECT	2024/05/08
2024/03529	A DEEP LEARNING-BASED SYSTEM FOR INTELLIGENT BREAST CANCER DETECTION AND A METHOD THEREOF	2024/05/08
2024/03531	PREPARATION METHOD FOR WATER-CHESTNUT-SHAPED ANTIMONY TUNGSTATE COMPOSITE MATERIAL, AND USE THEREOF	2024/05/08
2024/03534	AN OIL-WATER SEPARATION DEVICE APPLIED IN GAS STATION WASTEWATER TREATMENT	2024/05/08
2024/03535	A SAFETY MONITORING DEVICE FOR UNIVERSITY LABORATORIES	2024/05/08
2024/03545	A WATER PURIFICATION DEVICES BASED ON CHITOSAN WATER PURIFYING AGENTS	2024/05/08
2024/03558	CALLICARPA NUDIFLORA LEAF EXTRACT, LABDANE DITERPENOID COMPOUND, PREPARATION METHOD THEREOF AND USE THEREOF	2024/05/09
2024/03559	PRODUCTION METHOD FOR	2024/05/09

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	PUMPKIN SEED MEAL MULTI-BACTERIA SOLID STATE FERMENTATION FEED	
2024/03560	SIMULATION EVALUATION SYSTEM FOR ENGINEERING TECHNICIANS	2024/05/09
2024/03561	MINIATURIZED FOUR-BAND FOUR-PORT MIMO ANTENNA APPLIED TO 5G AND WLAN	2024/05/09
2024/03562	ASSESSMENT METHOD FOR SUSTAINABLE LIVELIHOOD OF RURAL TOURISM HOUSEHOLD	2024/05/09
2024/03565	MULTIFUNCTIONAL LABORATORY CONSOLE	2024/05/09
2024/03566	ARTIFICIAL CHINESE FIR FOREST AND TRANSFORMATION METHOD AND APPLICATION THEREOF	2024/05/09
2024/03567	BETA-CARBOLINE-BENZOQUINOLIZIDINE ALKALOID, PREPARATION METHOD THEREOF AND USE THEREOF	2024/05/09
2024/03568	SYSTEM AND CONTROL METHOD FOR BAKING ANHUA RAW DARK GREEN TEA	2024/05/09
2024/03569	A MANUFACTURING PROCESS FOR A DUAL-LAYER ANTI-REFLECTIVE COATING ON PHOTOVOLTAIC PANELS	2024/05/09
2024/03570	TRADITIONAL CHINESE MEDICINE FOR APPLICATION USED FOR DREDGING COLLATERALS, RELIEVING PAIN, ACTIVATING BLOOD CIRCULATION AND REMOVING BLOOD STASIS	2024/05/09
2024/03572	A STERILIZATION AND DISINFECTION SPRAYING DEVICE FOR INFECTIOUS DISEASES	2024/05/09
2024/03573	A SAMPLE COLLECTION PLATFORM FOR PATENTS WITH INFECTIOUS DISEASES	2024/05/09
2024/03576	A MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN MILITARY COURSES IN UNIVERSITIES	2024/05/09
2024/03577	CARBON POLYMER DOT COMPOSITE BISMUTH OXYCARBONATE NANOSHEET MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2024/05/09
2024/03579	N-DOPED BISMUTH OXYCARBONATE COMPOSITE GRAPHITE-PHASE CARBON NITRIDE MATERIAL, AND	2024/05/09

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	PREPARATION METHOD THEREFOR AND USE THEREOF	
2024/03581	MECHANICAL PEN AND OPERATING METHOD THEREFOR	2024/05/09
2024/03598	APPLICATION OF BSPJ GENE INHIBITOR IN PREPARATION OF BRUCELLA WITH LOW TOXICITY	2024/05/10
2024/03599	COMBINED MEDICINE FOR BACTERIAL HEMORRHAGIC SEPTICEMIA IN PELODISCUS SINENSIS	2024/05/10
2024/03600	ENGINEERING CONSTRUCTION SAFETY MANAGEMENT SIMULATION SYSTEM BASED ON BIM	2024/05/10
2024/03601	PHOTOVOLTAIC VEHICLE-MOUNTED ORNAMENT	2024/05/10
2024/03602	POTENTIAL CONTROL FLOTATION REAGENT FOR LOW-GRADE COPPER SULPHIDE ORE	2024/05/10
2024/03603	VENOUS THROMBUS PREVENTION APPARATUS WITH BLOOD FLOW MONITORING FUNCTION AND USE METHOD THEREOF	2024/05/10
2024/03607	METHOD FOR SEGMENTING MEDICAL IMAGE DATA, DEVICE, AND PRODUCT	2024/05/10
2024/03608	STABLE SHORT-CIRCUIT TESTING DEVICE FOR BATTERY	2024/05/10
2024/03647	GANTRY LIFTING DEVICE	2024/05/13
2024/03648	RAIN-PROOF INTELLIGENT EXTENSION TYPE CLOTHES HANGER	2024/05/13
2024/03649	ADJUSTABLE FLOOR-TYPE CLOTHES HANGER	2024/05/13
2024/03651	A WAX-BASED GROUTING MATERIAL AND METHOD FOR RECONSTRUCTING A WATER BARRIER LAYER DURING MINING OPERATIONS	2024/05/13
2024/03652	A BI2CRO6 OXYGEN-EVOLVING PHOTOCATALYST AND ITS PREPARATION METHOD	2024/05/13
2024/03656	GETTER SUPPLY APPARATUS FOR VACUUM GLASS PRODUCTION LINE	2024/05/13
2024/03657	GEAR RAPID ASSEMBLY DEVICE FOR MACHINING	2024/05/13
2024/03658	TEST PLATFORM STRUCTURE FOR ENGINEERING MACHINERY DESIGN	2024/05/13
2024/03659	IMMUNOPOTENTIATOR AND	2024/05/13

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	APPLICATION THEREOF	
2024/03660	FAULT SIMULATION DEVICE FOR THREE-PHASE FIVE-WIRE SWITCH MACHINE	2024/05/13
2024/03661	PRODUCTION SCHEDULING METHOD FOR COMPLEX CUSTOMIZATION INDUSTRY	2024/05/13
2024/03662	SEGMENTAL PRECAST CONCRETE HOLLOW PIER OBLIQUE BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF	2024/05/13
2024/03663	SEGMENTAL PRECAST CONCRETE HOLLOW PIER BENT BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF	2024/05/13
2024/03666	METHOD FOR SYNTHESIZING FLAVONOID 7-O-NEOHESPERIDIN	2024/05/13
2024/03668	REVERSIBLE DISTANCE-ADJUSTABLE CLOTHES HANGER	2024/05/13
2024/03672	A MACHINE LEARNING BASED MENTAL DISORDER PREVALENCE FORECASTING SYSTEM	2024/05/13
2024/03673	AN INAPPROPRIATE IMAGE IDENTIFIER AND REPORTER SYSTEM	2024/05/13
2024/03674	A PROCESS FOR SYNTHESIS OF K3GD(PO4)2: SM3+, EU3+, DY3+ PHOSPHOR FOR WHITE LIGHT EMITTING DIODES	2024/05/13
2024/03677	AN ATTACK RESISTANT SECURITY SYSTEM IN NAMED DATA NETWORKING	2024/05/13
2024/03678	A SYSTEM FOR ENGINEERING COLLEGE RECOMMENDATION BASED ON MHT-CET AND JEE SCORES	2024/05/13
2024/03679	A SYSTEM FOR CONVENIENT AND SECURE DOCUMENT TRANSFER TO LOCAL PHOTOCOPY CENTERS	2024/05/13
2024/03680	A TOTAL WEIGHTAGE SCORE SYSTEM FOR REAL ESTATE PROPERTY VALUATION	2024/05/13
2024/03681	A SYSTEM AND METHOD FOR CALCULATION OF STATE OF HEALTH OF LI-ION BATTERY	2024/05/13
2024/03682	A CLOUD-BASED SYSTEM FOR IMPROVED AUTOMATIC TEXT SUMMARIZATION VIA SEMANTIC AND SYNTACTICAL APPROACHES	2024/05/13
2024/03683	A MACHINE LEARNING BASED	2024/05/13

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	SYSTEM TO ESTIMATES NUMBER OF COUNTERS PROBLEM	
2024/03689	DISASTER CLASSIFICATION METHOD FOR LANDSLIDES AND COLLAPSE, AND ELECTRONIC DEVICE	2024/05/13
2024/03708	DISPLAY DEVICE FOR MANAGEMENT TEACHING	2024/05/14
2024/03714	INNER MOLD USED IN PACKING BOX MOLDING MACHINE AND BUBBLE PRESSING MACHINE	2024/05/14
2024/03715	AN EMERGENCY LEAK PROOF VALVE	2024/05/14
2024/03716	A PRE FILTRATION VALVE	2024/05/14
2024/03737	FORMULA FOR TREATING TUMORS	2024/05/15
2024/03738	POSTPARTUM PELVIC FLOOR MUSCLE RECOVERY TRAINING DEVICE	2024/05/15
2024/03773	ENVIRONMENT-FRIENDLY COLORED SHOE MATERIAL PARTICLES AND MANUFACTURING METHOD THEREFOR, AND ENVIRONMENT-FRIENDLY COLORED SOLE AND MANUFACTURING METHOD THEREFOR	2024/05/16
2024/03779	A PROCESSING METHOD FOR MEDICAL DEVICE MARKETING DATA	2024/05/16
2024/03780	A LEAF-CLAMPING INSECT CAGE FOR FIELD BIOLOGICAL DETERMINATION	2024/05/16
2024/03784	AUXILIARY TRAINING DEVICE FOR PELVIC FLOOR MUSCLE RECOVERY AND USE METHOD THEREOF	2024/05/16
2024/03983	MEASURING APPARATUS AND MEASURING METHOD FOR HOISTING OF ASSEMBLY TYPE BUILDING	2024/05/22
2024/06386	METHOD FOR PRODUCING MANGANESE(II) SULFATE MONOHYDRATE FROM BY-PRODUCT OF ZINC REFINING PROCESS	2024/08/20
2024/06758	WASTE INCINERATION ACID GAS PURIFICATION TREATMENT METHOD	2024/09/02
2024/06759	PROTECTIVE STRUCTURE FOR DEEPLY EXCAVATED CUTTING SLOPE AND CONSTRUCTION METHOD THEREOF	2024/09/02

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2024/07262	HOUSEHOLD GARBAGE STORAGE DEVICE	2024/09/23
2024/07349	HISTAMINE H3 RECEPTOR ANTAGONISTS AND THEIR PHARMACEUTICAL USES	2024/09/26
2024/08960	A CRIMPING DEVICE FOR SAFELY DISPOSING A CONTINUOUS LINER BAG CONTAINING TOXIC MATERIAL	2024/11/25
2024/08991	COMBINATION BACKSTOP AND NETTING APPARATUS AND RELATED SYSTEMS AND METHODS	2024/11/26

DESIGNS

Advertisement List for December 2024

Number of Advertised Designs: 64

Application Number	Design Articles	Filing Date
A2023/00747	ELECTRIC VALVE FOR WATER	2023/07/07
A2023/00836	ADJUSTABLE LIGHTING FIXTURE	2023/07/21
A2023/01111	CLIP	2023/10/13
A2023/01113	POST MOUNT	2023/10/13
A2023/01132	PORTABLE INFORMATION TERMINAL	2023/10/23
A2024/00156	SEAT BELT DETECTOR SYSTEM	2024/02/05
A2024/00233	FLASK	2024/02/29
A2024/00240	COUNTERS	2024/03/01
A2024/00242	AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2024/03/04
A2024/00243	AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2024/03/04
A2024/00259	Band	2024/03/12
A2024/00261	A BOTTLE	2024/03/12
A2024/00264	WATCHES	2024/03/13
A2024/00265	WATCHES	2024/03/13
A2024/00278	BOXES	2024/03/18
A2024/00279	AUTOMOBILES	2024/03/18
A2024/00280	BOXES	2024/03/18
A2024/00281	BOXES	2024/03/18
A2024/00282	Motorcycle	2024/03/18
A2024/00288	BOTTLES	2024/03/19
A2024/00289	BOTTLES	2024/03/19
A2024/00290	Wine Chiller	2024/03/19
A2024/00294	Watch Dial	2024/03/22

Application Number	Design Articles	Filing Date
A2024/00295	Watch Dial	2024/03/22
A2024/00297	Tent	2024/03/26
A2024/00301	FOOD PRODUCTS	2024/03/27
A2024/00302	FOOD PRODUCTS	2024/03/27
A2024/00303	FOOD PRODUCTS	2024/03/27
A2024/00333	BOTTLE	2024/04/05
A2024/00334	BOTTLE	2024/04/05
A2024/00335	BOTTLE	2024/04/05
A2024/00336	BOTTLE	2024/04/05
A2024/00337	BOTTLE	2024/04/05
A2024/00338	BOTTLE	2024/04/05
A2024/00339	BOTTLE	2024/04/05
A2024/00340	BOTTLE	2024/04/05
A2024/00341	BOTTLE	2024/04/05
A2024/00367	TEETHING RING	2024/04/16
A2024/00369	TEETHING RING	2024/04/16
A2024/00370	TEETHING RING	2024/04/16
A2024/00372	TEETHING RING	2024/04/16
A2024/00406	A HANDBAG	2024/04/30
A2024/00412	TUBE CONNECTOR	2024/04/30
A2024/00935	HAIR DRYER	2024/09/25
A2024/01030	VEHICLE	2024/10/09
A2024/01052	NOTEBOOKS	2024/10/14
F2023/01112	CLIP	2023/10/13
F2023/01114	POST MOUNT	2023/10/13
F2024/00241	AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2024/03/04
F2024/00244	AN ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2024/03/04
F2024/00245	A FLOOR TILE	2024/03/04
F2024/00248	A TURBOMACHINE DEFINING A BYPASS PATH	2024/03/06
F2024/00250	FISH PLATE BOLT	2024/03/07
F2024/00251	Base Plate Assembly	2024/03/07
F2024/00253	Base Plate	2024/03/07
F2024/00254	RAIL CLIP	2024/03/07
F2024/00256	A Gasket for a Refrigeration Door	2024/03/08
F2024/00260	BRACKETS	2024/03/12
F2024/00283	A Detonator Holder	2024/03/18
F2024/00327	PLUNGER	2024/04/03
F2024/00332	CABLE MARKER	2024/04/05
F2024/00380	TAXI DRINK BOX	2024/04/19
F2024/00405	A HANDBAG	2024/04/30
F2024/00413	TUBE CONNECTOR	2024/04/30

OTHER OFFICE NOTICES

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 5374 **4 October 2024**

Companies and Intellectual Property Commission
a member of the dtic group

NOTICE

COMPANIES AND INTELLECTUAL PROPERTY COMMISSION (CIPC)

Taking into consideration that CIPC official office days are Mondays to Fridays and does not include week-ends or public holidays, notice is hereby given in terms of and for purposes of the Acts mentioned in the Schedule below, that CIPC will be closed to the public from **10h00 on Tuesday 24 December 2024 up to and including Wednesday 1 January 2025.**

The CIPC Offices at –

a) the Department of Trade, Industry and Competition (the dtic) (77 Meintjies Street, Block F – Entfutfukweni) in Sunnyside, Pretoria;
b) 1st floor, Office 103, Sancardia Building, 541 Madiba Street, Arcadia, Pretoria;
c) Talis House , No 17 Simmonds street, Cnr Main and Simmonds street, Marshalltown, Johannesburg;
d) Norton Rose House No 8, Shop Number 3, Riebeek Street, Thibault Square, Cape Town; and
e) (CIPC officials) at Trade and Investment KwaZulu Natal (TIKZN) situated at 1 Arundel Close, Kingsmead Office Park, Kingsmead Boulevard, Stalwart Simelane Street in Durban,

will re-open at 08h00 on Thursday 2 January 2025.

The lodgment of documents and services of legal documents will be accepted on Monday 23 December 2024 until 15h30.

The days from Tuesday 24 December 2024 up to and including Wednesday 1 January 2025 will be regarded as *dies non* for purposes of the stated Acts.

CIPC offers different lodgment / filing methods for certain services to its customers. During this period, services processed by automated means will continue to be processed while those services which require back-office intervention / finalisation e.g. services which require scanned documents to be e-mailed to dedicated e-mail addresses or uploaded via electronic platforms e.g. New E-Services, will only resume from Thursday 2 January 2025.

Please also take note that with regards to name reservations, all reserved names that would have lapsed between Tuesday 24 December 2024 up to and including Wednesday 1 January 2025, will now have their reservation dates moved forward to Thursday 2 January 2025 and will, therefore, only elapse on that date.

SCHEDULE

Trade Marks Act, 1993
Patents Act, 1978
Design Act, 1993
Copyright Act, 1978
Companies Act, 2008
Close Corporations Act, 1984
Co-operatives Act, 2005
Registration of Copyright in Cinematograph Film Act, 1977

Kind regards.

Rory Voller
Signed by Rory Voller, RVoller@cipc.co.za
13/09/2024 16:03:10(UTC+08:00)
SIGNIFLOW

Rory Voller
Commissioner: CIPC