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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 2024/09/23 -

2024/07239 ~ Complete ~54:DISEASE AND PEST RESISTANCE MOLECULAR MARKER-ASSISTED BREEDING METHOD FOR SOYBEANS ~71:Qiqihar Branch of Heilongjiang Academy of Agricultural Sciences, No. 83, Xinming Street, Jianhua District, Qiqihar City, Heilongjiang Province, 161006, People's Republic of China;Soybean Research Institute of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: HAN, Dongwei;LIU, Xiulin;REN, Honglei;WANG, Xueyang;WU, Qi;YUAN, Ming;YUAN, Rongqiang;ZHANG, Bixian;ZHANG, Chunlei;ZHANG, Fengyi;ZHAO, Kezhen~ 33:CN ~31:202411089433.9 ~32:09/08/2024

2024/07254 ~ Complete ~54:MHC IB-MEDIATED ISLET-ANTIGEN-SPECIFIC IMMUNOSUPPRESSION AS A NOVEL TREATMENT FOR TYPE 1 DIABETES ~71:Julius-Maximilians-Universität Würzburg, Sanderring 2, WÜRZBURG 97070, GERMANY, Germany ~72: AHSAN, Fadhil;BRUTTEL, Valentin;BRÜNNERT, Daniela;WISCHHUSEN, Jörg~ 33:EP ~31:22164163.2 ~32:24/03/2022

2024/07261 ~ Complete ~54:NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVE INHIBITOR, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No. 3728 Jinke Road, Zhangjiang, Hi-Tech Park, Pudong New Area, Shanghai, 201203, People's Republic of China ~72: FENGCHANG CHENG;GUANGJUN SUN;MI ZENG;PENG GAO;WENHUA XIU;WENSHENG YU~ 33:CN ~31:202210266262.7 ~32:17/03/2022;33:CN ~31:202210724846.4 ~32:23/06/2022;33:CN ~31:202211104540.5 ~32:09/09/2022

2024/07244 ~ Complete ~54:INTELLIGENT FERMENTATION INTEGRATED MACHINE ~71:SHANDONG POLYTECHNIC, No. 23000, Jingshi East Road, Licheng District, People's Republic of China ~72: LV, Yinghui;MENG, Xianjun;YANG, Tingting;YU, Leijuan;ZHANG, Daolei;ZHANG, Yingchao~

2024/07249 ~ Complete ~54:BINDER AND MANUFACTURING METHODS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Paul PERNOT;Tatiana ROZHKOVA~ 33:IB ~31:PCT/IB2022/055500 ~32:14/06/2022

2024/07260 ~ Complete ~54:1-ARYLTETRAHYDROPYRIDAZINE-3,5-DIONE DERIVATIVE OR SALT THEREOF AND INSECTICIDAL AGENT CONTAINING THE COMPOUND AND METHOD FOR USING SAME ~71:NIHON NOHYAKU CO., LTD., 19-8, Kyobashi 1-chome Chuo-ku, Tokyo, 1048386, Japan ~72: HINOKI OIKAWA;IKKI YONEMURA;KEISUKE MITSUGI;NAOYA FUJITA;RYOSUKE TANAKA;TAIKI YOKOI;TAKAYUKI YAMADA~ 33:JP ~31:2022-051061 ~32:28/03/2022

2024/07247 ~ Complete ~54:FLOATING STORAGE VESSEL WITH EXTENSION SECTIONS AND OFFSHORE TERMINAL ~71:STENA POWER & LNG SOLUTIONS AS, Smith Petersens Gate 6, Norway ~72: HELLESMARK, Svein Børge~ 33:US ~31:17/704,421 ~32:25/03/2022;33:DE ~31:10 2022 130 360.8 ~32:16/11/2022

2024/07255 ~ Complete ~54:PRODRUGS OF OPICAPONE ~71:Bial-Portela & Ca, S.A., Av. da Siderurgia Nacional, SÃO MAMEDE DO CORONADO 4745-455, PORTUGAL, Portugal ~72: BAIGET, Jessica;BARROCAS, Pedro;BELIAEV, Alexander;HOLENZ, Joerg;KAROLI, Tomislav;KISS, Laszlo;REVUNOV, Evgeny~ 33:GB ~31:2204798.9 ~32:01/04/2022

2024/07258 ~ Complete ~54:PYRIDO[3,2-D]PYRIMIDINES AS HPK1 INHIBITORS ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: CHEKLER, Eugene;CUMMINGS, James;FRIIS, Emily;JOHNSON, Theresa;LI, Bin;NEAGU, Constantin;TOURE, Momar;WANG, Yanping~ 33:US ~31:63/362,803 ~32:11/04/2022;33:US ~31:63/377,900 ~32:30/09/2022

2024/07252 ~ Complete ~54:MICROWAVE ACTIVATION OF MINERALS FOR CARBON SEQUESTRATION ~71:The University of British Columbia, University-Industry Liaison Office, 103-6190 Agronomy Road, VANCOUVER V6T 1Z3, BRITISH COLUMBIA, CANADA, Canada ~72: DIPPLE, Greg M.;GHOREISHI MADISEH, Seyed Ali;SCHEUERMANN, Peter P.~ 33:US ~31:63/343,032 ~32:17/05/2022

2024/07263 ~ Complete ~54:COMPOSITE FIBERS AND METHODS OF MAKING THE SAME ~71:SPECIALTY MINERALS (MICHIGAN) INC., 30600 Telegraph Road Bingham Farms, Michigan, 48025, United States of America ~72: ARI-PEKKA LAAKSO;HARRY J HUHN;JOHN HOCKMAN;ZHIGANG CHENG~ 33:US ~31:63/326,240 ~32:31/03/2022

2024/07240 ~ Complete ~54:METHOD FOR PREPARING POLY(ARYLENE ETHER NITRILE) COPOLYMER WITH ALTERNATING STRUCTURE ~71:Guang'an Vocational And Technical College, No. 98, Binjiang East Road, Guang'an District, Guang'an City, Sichuan Province, 638000, People's Republic of China;Sichuan Lanshan Environmental Protection Technology Co., Ltd., No. 22, Binjiang Road, Sichuan Zhejiang Industrial Cooperation Park, Yuanjiaba, Guangyuan Economic and Technological Development Zone, Sichuan Province, 628004, People's Republic of China ~72: HE, Yuewen;LAN, Xiaoqiong;LING, Xiaoming;WANG, Feng;WU, Xun;ZHAO, Xiaohai~

2024/07246 ~ Complete ~54:SOLAR MOUNTING SOLUTIONS ~71:SIMONSEN, David, 13360 Bear Mountain Road Redding, CA 96003 (US), Redding, United States of America ~72: SIMONSEN, David~ 33:US ~31:63/312,134 ~32:21/02/2022

2024/07253 ~ Complete ~54:THERAPEUTIC APPLICATIONS OF CRISPR TYPE V SYSTEMS ~71:Caribou Biosciences, Inc., 2929 7th Street, Suite 105, BERKELEY 94710, CA, USA, United States of America ~72: DONOHOUE, Paul Daniel;KANNER, Steven B.;MUNOZ-HOWELL, Antonio;RAHDAR, Meghdad~ 33:US ~31:63/330,695 ~32:13/04/2022;33:US ~31:63/332,173 ~32:18/04/2022

2024/07259 ~ Complete ~54:CRISPING TRAYS FOR AIR-BASED COOKING DEVICES ~71:Sensio Inc., 261 Madison Ave, 25th Floor, NEW YORK 10016, NY, USA, United States of America ~72: FATOUCH, Mark;GARCIA, Jorge B.~ 33:US ~31:63/327,718 ~32:05/04/2022

2024/07242 ~ Complete ~54:RNA CONSTRUCTS AND USES THEREOF ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany ~72: ALEXANDER MUIK;ALPTEKIN GÜLER;ANDREAS KUHN;ANNETTE VOGEL;AZITA JOSEFINE MAHINY;GÁBOR BOROS;JONAS REINHOLZ;KATALIN KARIKO;KERSTIN WALZER;SONJA WITZEL;STEPHANIE HEIN;UGUR SAHIN;ÖZLEM TÜRECI~ 33:EP ~31:PCT/EP2020/061239 ~32:22/04/2020;33:EP ~31:PCT/EP2020/066968 ~32:18/06/2020;33:EP ~31:PCT/EP2020/068174 ~32:26/06/2020;33:EP ~31:PCT/EP2020/069805 ~32:13/07/2020;33:EP

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2024/07245 ~ Complete ~54:NOVEL USE OF PITOLISANT FOR TREATING SEVERE FATIGUE ~71:BIOPROJET, 30, rue des Francs Bourgeois, France ~72: LECOMTE, Jeanne-Marie;SCHWARTZ, Jean Charles~ 33:EP ~31:22305343.0 ~32:23/03/2022

2024/07250 ~ Complete ~54:EXCHANGEABLE APPLICATOR FOR INSERTING A FLEXIBLE LINE AND A DISPENSING VALVE IN A BEVERAGE TAPPING HEAD ~71:Carlsberg Breweries A/S, J.C. Jacobsens Gade 1, COPENHAGEN V 1799, DENMARK, Denmark ~72: LAYBOURN, Klaus~ 33:EP ~31:22158838.7 ~32:25/02/2022

2024/07257 ~ Complete ~54:PLANT REGULATORY ELEMENTS AND USES THEREOF FOR AUTOEXCISION ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: FLASINSKI, Stanislaw;MARENGO, Matthew S.;YE, Xudong~ 33:US ~31:63/329,964 ~32:12/04/2022

2024/07262 ~ Complete ~54:HOUSEHOLD GARBAGE STORAGE DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JUNBIAO HE~ 33:CN ~31:202311789121.4 ~32:25/12/2023

2024/07265 ~ Complete ~54:COMPOUNDS AND METHODS FOR TREATING SPASTICITY ~71:LEXICON PHARMACEUTICALS, INC., 2445 Technology Forest Blvd., 11th Floor, The Woodlands, Texas, 77381, United States of America ~72: PRAVEEN TYLE;QI MELISSA YANG;SUMA GOPINATHAN~ 33:US ~31:63/331,547 ~32:15/04/2022

2024/07243 ~ Complete ~54:A HIGH-ENTROPY METAL PHOSPHATE AND PREPARATION METHOD THEREOF ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Jing GAO;Jingran WANG;Jinping WANG~

2024/07248 ~ Complete ~54:MEASUREMENT, DIAGNOSIS, TREATMENT AND MANAGEMENT OF METABOLIC SYNDROME ~71:GARCÍA SADA, Fernando, Río de la Plata 309, Piso 3, Col. Del Valle, Mexico ~72: DYCHTER CHOLOW, Bernardo;ELIZONDO, Sergio de Jesús;FLORES LÓPEZ, Santos Eduardo;GARCÍA ALANIS, Eduardo;GARCÍA SADA, Fernando;PACHECO ESPINO, Iván;PULIDO WATTS, Alejandro~ 33:US ~31:17/679,927 ~32:24/02/2022

2024/07256 ~ Complete ~54:CELLS EXPRESSING AN ANTI-MESOTHELIN CAR ~71:GammaDelta Therapeutics Ltd, 1 Kingdom Street, LONDON W2 6BD, UNITED KINGDOM, United Kingdom ~72: EDWARDS, Sarah;ILLINGWORTH, Sam;KOVACS, Istvan;NUSSBAUMER, Oliver;SIMOES, Andre Goncalo do Espirito Santo~ 33:GB ~31:2204927.4 ~32:04/04/2022;33:US ~31:63/482,752 ~32:01/02/2023

2024/07268 ~ Complete ~54:POSITIONING DEVICE FOR ARCH RIB SEGMENTS OF FLYING SWALLOW TYPE TIED ARCH BRIDGE ~71:HEILONGJIANG TRANSPORTATION PLANNING AND DESIGN INSTITUTE

GROUP CO., LTD., NO. 90, QINGBIN ROAD, People's Republic of China;NORTHEAST FORESTRY UNIVERSITY, NO. 26, HEXING ROAD, People's Republic of China ~72: LI, Wei;WANG, Lifeng;WANG, Tiejun;XIAO, Ziwang~

2024/07238 ~ Provisional ~54:SLOPE GPT ~71:DEFRIES, Anthony, 2 Northcliff Manor, 12 Waugh Avenue, Northcliff, South Africa ~72: DEFRIES, Anthony~

2024/07241 ~ Complete ~54:TRAFFIC SIGN DETECTION SYSTEM BASED ON IMPROVED YOLOV5 AND METHOD THEREOF ~71:TANGSHAN UNIVERSITY, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: HAN Yuqiang;LIU Liwei;LUN Zhixin;YUE Jianjiang~

2024/07251 ~ Complete ~54:A METHOD FOR THE STORAGE OR TRANSPORT OF PYROLYSIS OIL ~71:Plastic Energy Limited, 65 Carter Lane, LONDON EC4V 5DY, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: HARGREAVES, George;LAKE, Andrew~ 33:GB ~31:2202646.2 ~32:25/02/2022

2024/07264 ~ Complete ~54:ADENO-ASSOCIATED VIRUS VARIANT CAPSIDS WITH IMPROVED LUNG TROPISM AND USES THEREOF ~71:4D MOLECULAR THERAPEUTICS INC., 5858 Horton Street, Suite 455, Emeryville, California, 94608, United States of America ~72: JULIE NYE;MELISSA A KOTTERMAN;PETER FRANCIS;ROXANNE CROZE~ 33:US ~31:63/317,450 ~32:07/03/2022

2024/07266 ~ Complete ~54:UTILITY RACK ~71:KUAT INNOVATIONS LLC, 2240 N. Alliance Ave., Springfield, United States of America ~72: GRAIF, Jonathan;HOUSTON, Aaron;KUSCHMEADER, Luke;SCHLOTH, Patrick;VILLARS, Clayton~ 33:US ~31:63/319,751 ~32:14/03/2022

. - APPLIED ON 2024/09/25 -

2024/07278 ~ Complete ~54:ENVIRONMENTALLY FRIENDLY BIOCHAR-BASED SAND SOIL AMENDMENT AND PREPARATION METHOD ~71:INNER MONGOLIA MINZU UNIVERSITY, No.536 West of Huolinhe Street, Tongliao City, Inner Mongolia, 028000, People's Republic of China;Qingfu ZHENG, b3, Jinlongyuan Community, Huolinhe Street, Horqin District, Tongliao City, Inner Mongolia, 028099, People's Republic of China;Xudong WANG, No.86-2, Zhonghua Road, Zhangwu Town, Zhangwu County, Fuxin City, Liaoning Province, 123200, People's Republic of China;Zhangwu Hongtai Agriculture and Animal Husbandry Technology Co., Ltd., No. 102-5, Xinxing Road, Zhangwu Town, Fuxin City, Liaoning Province, 123200, People's Republic of China ~72: Chen LI;Fenghui YAN;Gang XU;Liancong PENG;Qingfu ZHENG;Sileng HU;Xudong WANG;Xue HAN~

2024/07292 ~ Complete ~54:CAS12A NICKASES ~71:BASF AGRICULTURAL SOLUTIONS SEED US LLC, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America ~72: D'HALLUIN, Katelijn;DE VLEESSCHAUWER, David;LUTEIJN, Maartje, Janneke;MEULEWAETER, Frank;STAALS, Raymond, Hubert, Josèphe;VAN DER OOST, John;VILLEGAS WARREN, Ricardo;WU, Wen Ying~ 33:EP ~31:22159465.8 ~32:01/03/2022;33:EP ~31:22202125.5 ~32:18/10/2022

2024/07312 ~ Complete ~54:EXCAVATING ASSEMBLY SYSTEM WITH COLLARED FASTENING SYSTEM ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779 , Dallas, Texas, 75229, United States of America ~72: MOHAMAD YOUSSEF BILAL;SEAN M PITTS;YUSUKE KIYAMA~ 33:US ~31:63/329,807 ~32:11/04/2022;33:US ~31:18/190,785 ~32:27/03/2023

2024/07295 ~ Complete ~54:DEVICE AND METHOD FOR COOLING ROLLS USED FOR ROLLING IN A HIGHLY TURBULENT ENVIRONMENT ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Eugen Andrei IANOS;Hugo UIJTDEBROEKS;Michael James HOUGH;Patrick VAN POECKE;Pepijn ADRIAEN;Peter CEOLIN;Zafer KOONT~ 33:IB ~31:PCT/IB2022/055437 ~32:13/06/2022

2024/07269 ~ Complete ~54:AN AUTOMATED DEVICE FOR DEMOLISHING BRIDGE PIER FORMWORK ~71:Shandong Jiaotong University, #5001 Hai-tang-lu, Changqing District, Jinan, Shandong, 250357, People's Republic of China ~72: Chen Renshan;Wang Chong;Wei Xusheng;Yang Kaibo;Zhang Wei~

2024/07271 ~ Complete ~54:DEEP LEARNING CONTROL DEVICE BASED ON PERMANENT MAGNET MOTOR ~71:Jining Normal University, No. 59, Gongnong Street, Jining District, Ulanqab City, Inner Mongolia Autonomous Region, 012000, People's Republic of China ~72: DONG, Yongsheng;GUO, Xiaoxia;JING, Lili;SU, Sen;WANG, Zhiqiang~ 33:CN ~31:202421263528.3 ~32:04/06/2024

2024/07288 ~ Complete ~54:P2X3 INHIBITOR COMPOUND, SALT THEREOF, POLYMORPH THEREOF AND USE THEREOF ~71:HUMANWELL HEALTHCARE (GROUP) CO., LTD., No. 666 Gaoxin Road, Wuhan East Lake Hi-tech Development Zone Wuhan, People's Republic of China;WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, Room 705-2, Building C7, No. 666 Gaoxin Road, Wuhan East Lake High-Tech Development Zone Wuhan, People's Republic of China ~72: LEI, Sijun;LI, Li'e;LI, Qun;LI, Yuan;LIU, Lifei;XIA, Qingfeng;YANG, Jun;ZANG, Yang;ZHANG, Xuejun~ 33:CN ~31:202210326113.5 ~32:29/03/2022;33:CN ~31:202310281376.3 ~32:21/03/2023

2024/07317 ~ Complete ~54:MEASURING TEMPERATURE OF AN ELECTROLYTIC BATH ~71:ELYSIS LIMITED PARTNERSHIP, 1 Place Ville Marie Suite 2323 Montréal, Canada ~72: CHAUDHARY, Rajneesh;D'ASTOLFO, Leroy;FINDLEY, Nick;PRINCE, David~ 33:US ~31:63/328,111 ~32:06/04/2022

2024/07351 ~ Complete ~54:CONTROL VALVE AND IMPACT DEVICE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HÄMÄLÄINEN, Mikko;KANDELIN, Lars;KELA, Timo;KOSKIMÄKI, Antti~ 33:EP ~31:22168155.4 ~32:13/04/2022

2024/07309 ~ Complete ~54:WEAR MEMBER ASSEMBLY WITH COLLARED FASTENING ASSEMBLY ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779 , Dallas, Texas, 75229, United States of America ~72: DAVID M HYMAS;SEAN M PITTS~ 33:US ~31:63/329,794 ~32:11/04/2022;33:US ~31:18/189,515 ~32:24/03/2023

2024/07280 ~ Complete ~54:MASSAGE DEVICE FOR KNEE OSTEOARTHRITIS ~71:ZHU Junchen, No.300, Shouchun Road, Hefei City, Anhui Province, 230061, People's Republic of China ~72: HOU Qianwen;LI Fuyou;LI Yingchun;MA Xingfu;NIE Yong;SU Yi;WANG Chao;WANG Huaize;XIONG Yingzong;ZHENG Zhiwen;ZHU Junchen~

2024/07287 ~ Complete ~54:ANTI-ILT4 COMPOSITIONS AND METHODS ~71:COHERUS BIOSCIENCES, INC., 333 Twin Dolphin Drive, Suite 600, United States of America ~72: ARORA, Taruna;KAUDER, Steven E.;KLAKAMP, Scott L.;TSENG, Su-Yi~ 33:US ~31:63/324,544 ~32:28/03/2022;33:US ~31:63/374,250 ~32:01/09/2022

2024/07305 ~ Complete ~54:QUINOLINE DERIVATIVES AS MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X2 AND RELATED PRODUCTS ~71:Escient Pharmaceuticals, Inc., 10578 Science Center Drive, Suite 250, SAN DIEGO 92121, CA, USA, United States of America ~72: BOEHM, Marcus;HUANG, Liming;LANIER, Marion;MARTINBOROUGH, Esther;SAINZ, Marcos;SELFRIDGE, Brandon;YEAGER, Adam~ 33:US ~31:63/325,611 ~32:30/03/2022;33:US ~31:63/476,920 ~32:22/12/2022

2024/07314 ~ Complete ~54:ELECTROLYTIC EXTRACTION OF ELEMENTAL METAL FROM METAL COMPOUNDS ~71:VERDEEN CHEMICALS INC., 500 108th Ave. NE, Suite 1100, Bellevue, Washington, 98004, United States of America ~72: AMOL NAIK;NISHCHAY CHADHA;VIPIN TYAGI~ 33:US ~31:17/737,869 ~32:05/05/2022

2024/07500 ~ Provisional ~54:MODHADZHI SMARTLID ~71:GOMOLEMO MODISELLE, 7384/18 EXT 5 BLOCK VV, South Africa;THABELO HADZHI, 471 BLOCK LL SOSHANGUVE, South Africa ~72: THABELO HADZHI~

2024/07281 ~ Complete ~54:MODULAR MEMBRANE BIOREACTOR WASTE WATER PLANT ~71:UTICO WATER (PTY) LTD, Unit 1, 13 Julian Way, Somerset West, South Africa ~72: SCHOEMAN, Lu Raubenheimer;STEVEN, James Michael;VIGARIO, Matthew Antonio~

2024/07267 ~ Provisional ~54:CABLE THEFT-LIMITING DEVICE ~71:WOLMARANS, Clint, Unit 4 Waxahachie, 17 Elliot Street, Noordheuwel, KRUGERSDORP 1739, Gauteng Province, SOUTH AFRICA, South Africa ~72: WOLMARANS, Clint~

2024/07270 ~ Complete ~54:SEEPAGE TEST APPARATUS ~71:CCTEG Xi’an Research Institute (Group) Co. Ltd., No. 82, Jinye 1st Road, High tech Zone, Xi'an City, Shaanxi Province, 072750, People's Republic of China;Henan Hydrology and Water Resources Survey and Reporting Center, No. 10, Middle Section of Weiwu Road, Jinshui District, Zhengzhou City, Henan Province, 450003, People's Republic of China;Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, No. 1350, Kechuang Road (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China;North China University of Water Resources and Electric Power, No. 136, Jinshui East Road, Zhengzhou City, Henan Province, 450046, People's Republic of China;Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering, No. 1350, Kechuang Road (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China ~72: GAO, Dongge;GAO, Yuan;GUO, Yifan;GUO, Yuxiang;HE, Jinbo;LI, Shuang;LI, Tianhui;LIANG, Liang;WANG, Hai;WANG, Wenxue;WANG, Yu;YAN, Qing;YU, Changchang~

2024/07277 ~ Complete ~54:MECHANICAL POSITION INDICATOR AND ACTUATOR OF AUTOMATION TECHNOLOGY ~71:AUMA RIESTER GMBH & CO. KG, Aumastrasse 1, Germany ~72: Benjamin INGENHOVEN;Dr. Matthias TRITSCHLER~ 33:EP ~31:23217990.3 ~32:19/12/2023

2024/07286 ~ Complete ~54:ANTI-CD28 ANTIBODIES AND METHODS OF USE THEREOF ~71:ADAGENE PTE. LTD., 16 Raffles Quay, #33-03 Hong Leong Building, Singapore ~72: DU, Fangyong;LI, Yan;LIU, Guizhong;LUO, Peter Peizhi~ 33:CN ~31:PCT/CN2022/085838 ~32:08/04/2022

2024/07306 ~ Complete ~54:IMPROVED THIOPURINE FORMULATION AND TREATMENT METHODS ~71:DOUGLAS PHARMACEUTICALS LIMITED, Central Park Drive, Lincoln, Auckland, 0610, New Zealand ~72: CHRISTOPHER RITCHIE;PETER WILLIAM SURMAN;TIMOTHY HENRI JEREMY FLORIN;ZHEN SHI~ 33:AU ~31:2022900759 ~32:25/03/2022

2024/07276 ~ Complete ~54:BUILDING ELECTRICAL LOAD-BASED REGIONAL ENERGY OPTIMIZATION METHOD AND SYSTEM ~71:Zhejiang Zheneng Energy Services Co., Ltd., 7th Floor, 152 Tianmushan Road, Xihu District, Hangzhou City, Zhejiang Province, 310012, People's Republic of China ~72: LI, Yang;MO, Chengkai;PANG, Kun;SUN, Chengfu;SUN, Pan;WANG, Zhiqiang;ZHENG, Bin~ 33:CN ~31:202311786267 .3 ~32:25/12/2023

2024/07285 ~ Complete ~54:PREPARATION METHOD FOR HIGH-FREQUENCY MANGANESE-ZINC FERRITE MATERIAL ~71:SHANDONG CHUNGUANG MAGNETOELECTRIC TECHNOLOGY CO., LTD, West Section Of Shuangyue Lake Road, High Tech Zone, Linyi, Shandong, 276017, People's Republic of China;SHANDONG CHUNGUANG TECHNOLOGY GROUP CO., LTD, No. 318 Shuangyue Lake Road, National High Tech Zone, Linyi, Shandong, 276017, People's Republic of China ~72: CHENG, Long;HAN, Weidong;LIAO, Wenju;LIU, Tao;SONG, Xinglian;WU, Shichao;XIE, Lili;XIN, Benkui;XU, Shiliang;ZHU, Konglei~ 33:CN ~31:202310963462.2 ~32:02/08/2023

2024/07300 ~ Complete ~54:COMBINATION THERAPY FOR TREATING CANCER ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: ALBERTELLA, Mark R.;BROWN, Jessica S.;COSULICH, Sabina Chiara;LEO, Elisabetta~ 33:US ~31:63/362,614 ~32:07/04/2022

2024/07307 ~ Complete ~54:METHODS AND COMPOSITIONS FOR THE TREATMENT OF PARKINSON'S DISEASE ~71:ASKLEPIOS BIOPHARMACEUTICAL, INC., 20 T.W. Alexander Drive, Suite 110, Research Triangle Park, North Carolina, 27709, United States of America ~72: ADRIAN P KELLS;AMBER VAN LAAR;KRYSTOF S BANKIEWICZ;MASSIMO S FIANDACA~ 33:US ~31:63/323,830 ~32:25/03/2022;33:US ~31:63/326,236 ~32:31/03/2022;33:US ~31:63/341,841 ~32:13/05/2022;33:US ~31:63/393,196 ~32:28/07/2022;33:US ~31:63/438,164 ~32:10/01/2023

2024/07279 ~ Complete ~54:COMPRESSION DEVICE FOR INTERVENTIONAL THERAPY ~71:Hunan Cancer Hospital, No. 582, Xianjia Lake, Yuelu District, Changsha City, Hunan Province, 410205, People's Republic of China ~72: Hua XIANG;Jinhua LI;Na ZHANG;Qinqin CHENG;Shanzhi GU;Wen LU;Ying LONG;Zhengdi SHE~ 33:CN ~31:2024220517838 ~32:23/08/2024

2024/07290 ~ Complete ~54:APPARATUS, METHOD, AND SYSTEM FOR FINE TUNING OF CAPTURE DEVICES ~71:MUSCO CORPORATION, 100 1ST AVENUE WEST, OSKALOOSA, IOWA 52577, USA, United States of America ~72: BOGATZKE, Logan, J.;DROST, Matthew, D.;TAYLOR, Jacob, W.;VAN EE, David, J.~ 33:US ~31:63/362,263 ~32:31/03/2022

2024/07296 ~ Complete ~54:A RECONFIGURABLE WEB AND IMPLEMENTATIONS THEREFOR ~71:ZADOK, Avinoam, 125/16 Levi Eshkol Street, Israel ~72: ZADOK, Avinoam~ 33:IL ~31:291069 ~32:02/03/2022;33:IL ~31:296455 ~32:13/09/2022

2024/07283 ~ Complete ~54:COMPUTER NETWORK SECURITY SYSTEM BASED ON IDENTITY RECOGNITION AND CONTROL METHOD THEREOF ~71:Northeast Normal University, No. 5268 Renmin Street, Nanguan District, Changchun City, Jilin province, People's Republic of China ~72: Dong Yan;Peng Qi~

2024/07294 ~ Complete ~54:IN OVO VACCINE COMPOSITIONS AGAINST COCCIDIOSIS ~71:HIPRA SCIENTIFIC, S.L.U., Avda. La Selva, 135, Spain ~72: PAGES BOSCH, Marc;SEBASTIA PUJOL, Eduard;SITJÀ I ARNAU, Marta~ 33:ES ~31:22382216.4 ~32:08/03/2022

2024/07319 ~ Complete ~54:END-FIRE CIRCULARLY POLARIZED ANTENNA BASED ON COMPLEMENTARY DIPOLES ~71:ANHUI NORMAL UNIVERSITY, No.1 East Beijing Road, Wuhu, People's Republic of China ~72: CHEN, Shengjie;CHEN, Tao;HE, Jiajun;LIU, Xiaoming;LIU, Yu;WANG, Chen;YU, Shuo;ZHU, Yuanqing~ 33:CN ~31:202410341615.4 ~32:25/03/2024

2024/07272 ~ Complete ~54:FOLLOW-UP BELLOWS COMPENSATOR ~71:Jiangsu Wuxing Bellows Co., Ltd., No. 1065-1, Jiangyan Road, Tianmushan Street, Jiangyan Dist., Taizhou, Jiangsu, People's Republic of China ~72: Baoguo Zhang;Guibing Ge;Jiabing Shen;Lijun Zhang;Peng Zhang;Xihua Luo~ 33:CN ~31:202311276564.3 ~32:04/10/2023

2024/07275 ~ Complete ~54:INTERNET OF THINGS CONTROLLER ARRAY PROTECTION APPARATUS SUITABLE FOR HIGH-SPEED INFORMATION FUSION ~71:Anhui Huachi Energy Technology Co., Ltd., No. 8, Chang'an Avenue, Zongyang County Economic Development Zone, Tongling City, Anhui Province, 244000, People's Republic of China;Jining Normal University, No. 59, Gongnong Street, Jining District, Ulanqab City, Inner Mongolia Autonomous Region, 012000, People's Republic of China ~72: DONG, Yongsheng;GUO, Xiaoxia;JING, Lili;NIE, Yang;SU, Sen;WANG, Zhiqiang~ 33:CN ~31:202410785138.0 ~32:18/06/2024

2024/07293 ~ Complete ~54:METHODS, SYSTEMS, AND COMPUTER-READABLE MEDIA FOR GENERATING LABELLED DATASETS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: CHEAH, Soon-Ee;DRIDAN, Rebecca~ 33:AU ~31:2022900697 ~32:21/03/2022

2024/07298 ~ Complete ~54:DRONE WITH EXTENDABLE AND ROTATABLE WINGS AND MULTIPLE ACCESSORY SECURING PANEL ~71:Epazz, Inc., 55 E. Jackson Blvd., Suite 500, CHICAGO 60604, IL, USA, United States of America ~72: PASSLEY, Shaun~ 33:US ~31:17/705,310 ~32:26/03/2022

2024/07304 ~ Complete ~54:NOVEL GENE ARMORING ~71:GammaDelta Therapeutics Ltd, 1 Kingdom Street, LONDON W2 6BD, UNITED KINGDOM, United Kingdom ~72: ILLINGWORTH, Sam;KARATTIL, Rajeev;KOVACS, Istvan;KUMARAN, Jyothi;NUSSBAUMER, Oliver;SIMOES, Andre Goncalo do Espirito Santo~ 33:US ~31:63/327,230 ~32:04/04/2022;33:US ~31:63/371,860 ~32:18/08/2022;33:US ~31:63/482,755 ~32:01/02/2023

2024/07316 ~ Complete ~54:CONSOLE FOR A SPORTS DEVICE COMPRISING A MEANS FOR COOLING THE USER ~71:EXODRY, 4 rue André Marie Ampère, Lannion, 22300, France ~72: MARIE, Olivier~ 33:FR ~31:FR2202811 ~32:29/03/2022

2024/07311 ~ Complete ~54:EXCAVATING ASSEMBLY WITH PIVOT FASTENING SYSTEM ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779 , Dallas, Texas, 75229, United States of America ~72: MOHAMAD YOUSSEF BILAL;VENKATA PRAKASH VEGUNTA;YUSUKE KIYAMA~ 33:US ~31:63/329,803 ~32:11/04/2022;33:US ~31:18/190,576 ~32:27/03/2023

2024/07274 ~ Complete ~54:MXENE/COTTON BIOCHAR COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF ~71:Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China;Yazhou Bay Innovation Institute of Hainan Tropical Ocean University, Yazhou Bay Science and Technology City, Sanya City, Hainan Province, People's Republic of China ~72: BAI Shiwei;CHEN Qingrong;LI Zaoxi;WAN Wubo;WU Qianhui;WU Xiangen~

2024/07282 ~ Complete ~54:RANDOM VARIABLE EXPERIMENT DISPLAY DEVICE FOR MATHEMATICS TEACHING ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232000, People's Republic of China ~72: Liang Jing~

2024/07284 ~ Complete ~54:MISFUELLING PREVENTION DEVICE AND METHOD ~71:TSHABANGU, Onalenna Benedict, 6 Du Donet Complex, 71 Isipingo Road, Paulshof, Johannesburg, South Africa ~72: TSHABANGU, Onalenna Benedict~ 33:ZA ~31:2022/03638 ~32:30/03/2022

2024/07289 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING DIPHENYLDIAZOLE DERIVATIVES AND METHODS OF USE ~71:MODAG GMBH, MIKROFORUM RING 3, 55234 WENDELSHEIM, GERMANY, Germany ~72: DEL VESCO, Emanuela;GIESE, Armin;LEVIN, Johannes~ 33:EP ~31:22159408.8 ~32:01/03/2022

2024/07301 ~ Complete ~54:COOLING ARRANGEMENT, ROCK DRILLING RIG AND METHOD OF COOLING ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HAKALA, Markus;JÄNTTI, Jarkko~ 33:EP ~31:22177261.9 ~32:03/06/2022

2024/07303 ~ Complete ~54:MACROCYCLIC HETEROCYCLES AND USES THEREOF ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: CHEN, Zhiyong;LIU, Yi;REN, Pingda;WU, Baogen~ 33:US ~31:63/332,794 ~32:20/04/2022;33:US ~31:63/404,482 ~32:07/09/2022;33:US ~31:63/486,922 ~32:24/02/2023

2024/07308 ~ Complete ~54:THERAPEUTIC ADENO-ASSOCIATED VIRUS USING CODON OPTIMIZED NUCLEIC ACID ENCODING ALPHA-GLUCOSIDASE (GAA) FOR TREATING POMPE DISEASE, WITH SIGNAL PEPTIDE MODIFICATIONS ~71:ASKLEPIOS BIOPHARMACEUTICAL, INC., 20 T.W. Alexander Drive, Suite 110, Research Triangle Park, North Carolina, 27709, United States of America ~72: ANNA TRETIAKOVA;LESTER SUAREZ;SCOTT HAMMOND;XAVIER ANGUELA MARTINEZ~ 33:US ~31:63/321,336 ~32:18/03/2022;33:US ~31:63/348,862 ~32:03/06/2022;33:US ~31:63/444,804 ~32:10/02/2023

2024/07302 ~ Complete ~54:VIDEO ENCODING AND DECODING USING OPERATIONS CONSTRAINT ~71:InterDigital CE Patent Holdings, SAS, 3 rue du Colonel Moll, PARIS 75017, FRANCE, France ~72: DE LAGRANGE, Philippe;FRANCOIS, Edouard;GALPIN, Franck;MARTIN-COCHER, Gaëlle~ 33:EP ~31:22305528.6 ~32:12/04/2022

2024/07315 ~ Complete ~54:LIP FOR USE ON A MATERIAL DISPLACEMENT APPARATUS ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779 , Dallas, Texas, 75229, United States of America ~72: DAVID M HYMAS;KARTHIK HALIKE GURURAJ~ 33:US ~31:63/329,811 ~32:11/04/2022

2024/07310 ~ Complete ~54:2-[(2-OXO-4-PHENYL-2H-CHROMEN-7-YL)OXY] PROPANAMIDO DERIVATIVES ~71:LUNELLA BIOTECH, INC., 145 Richmond Road, Ottawa, Ontario, K1Z 1A1, Canada ~72: FEDERICA SOTGIA;FILIPPO DI PISA;JUSSI KANGASMETSA;MICHAEL P LISANTI~ 33:US ~31:63/325,360 ~32:30/03/2022

2024/07273 ~ Complete ~54:INSPECTION AND REPAIR DEVICE FOR LEADING EDGES OF WIND TURBINE BLADES ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: AI, Zhiyun;QIAO, Yinhu;SONG, Shuqiang;ZHANG, Chunyan;ZHANG, Jiajun~ 33:CN ~31:202421598036.X ~32:08/07/2024

2024/07297 ~ Complete ~54:KRAS INHIBITORS ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BARBERIS, Mario;BARDA, David Anthony;BASTIAN, Jolie Anne;BAUMGARTNER, Matthew Patrick;CARBALLARES MARTIN, Santiago;FURNESS, Kelly Wayne;GARCIA LOSADA, Pablo;GUO, Deqi;GUTIERREZ SANFELICIANO, Sonia Maria;HENRY, James Robert;JOHNSTON, Richard Duane;LAMAR, Jason Eric;LIU, Tao;LUMERAS AMADOR, Wenceslao;MOLERO FLOREZ, Victoriano;PRIETO VALLEJO, Maria Lourdes;RODRIGUEZ, Michael John;ROJO, Isabel;RUBIO, Almudena;SI, Chong;ZHAO, Gaiying;ZIA-EBRAHIMI, Mohammad Sadegh~ 33:US ~31:63/323,607 ~32:25/03/2022;33:US ~31:63/406,906 ~32:15/09/2022;33:US ~31:63/386,404 ~32:07/12/2022

2024/07313 ~ Complete ~54:REINFORCED WEAR MEMBER ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road, P.O. Box 29779 , Dallas, Texas, 75229, United States of America ~72: EVAN M ZELKOVICH~ 33:US ~31:63/330,424 ~32:13/04/2022;33:US ~31:18/187,536 ~32:21/03/2023

2024/07291 ~ Complete ~54:CAS12A NICKASES ~71:BASF AGRICULTURAL SOLUTIONS SEED US LLC, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America;WAGENINGEN UNIVERSITEIT, DROEVENDAALSESTEEG 4, 6708 PB WAGENINGEN, NETHERLAND, Netherlands ~72: D'HALLUIN, Katelijn;DE VLEESSCHAUWER, David;LUTEIJN, Maartje, Janneke;MEULEWAETER, Frank;STAALS, Raymond, Hubert, Josèphe;VAN DER OOST, John;VILLEGAS WARREN, Ricardo;WU, Wen Ying~ 33:EP ~31:22159465.8 ~32:01/03/2022;33:EP ~31:22202125.5 ~32:18/10/2022

2024/07299 ~ Complete ~54:BISPECIFIC ANTIBODIES TO HIV-1 ENV AND THEIR USE ~71:The United States of America, as represented by the Secretary, Department of Health and Human Services, 6701 Rockledge Drive, Suite 700, MSC 7788, BETHESDA 20892-7788, MD, USA, United States of America ~72: BYLUND,

Tatsiana;DAMRON, Leland;DORIA-ROSE, Nicole;GORMAN, Jason;KWON, Young Do;KWONG, Peter;PEGU, Amarendra;YANG, Eun Sung;YANG, Yongping;ZHANG, Baoshan~ 33:US ~31:63/324,037 ~32:26/03/2022

2024/07320 ~ Provisional ~54:ROYAL 7 SOCCER SCHOOL ~71:DONOVAN BRANDON SAM, 70 THORNHILL DRIVE, SUNINGDALE, South Africa ~72: DONOVAN BRANDON SAM~

2024/07318 ~ Complete ~54:CENTRIFUGAL SEPARATION TUBE AND MANUFACTURING METHOD THEREFOR AND USE THEREOF ~71:NANJING SHUANGWEI BIOTECHNOLOGY CO., LTD., 1 Gaoke 8th Road, Jiangbei New District, Nanjing City, People's Republic of China ~72: Guofeng XIAO;Jun ZHOU;Pei WU;Qing PAN;Qinling HE;Weichao PAN;Zheng LI;Zhengfang HU~

. - APPLIED ON 2024/09/26 -

2024/07322 ~ Provisional ~54:INDUCTIVE CODE DETECTION ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;RADEMEYER, Daniel Barend;WOLMARANS, W.~

2024/07350 ~ Complete ~54:APPARATUS AND SYSTEM FOR GENERATING THERMAL ENERGY USING CONCENTRATED SOLAR POWER ~71:Mustapha HAMDAN, 8 The Circle, London, NW2 7QS, United Kingdom ~72: Mustapha HAMDAN~ 33:GB ~31:GB2202779.1 ~32:01/03/2022

2024/07324 ~ Complete ~54:PIPE CLAMPING SYSTEM ~71:LYCOPODIUM MINERALS PTY LTD, Level 5, 1 Adelaide Terrance, Australia ~72: RUGGIERO, Bruno;SANDERS, Kenneth Michael~ 33:AU ~31:2024900176 ~32:25/01/2024

2024/07325 ~ Complete ~54:A PIPE FITTING ~71:PAPAZOGLOU, Guy, 248 VON WILLICH AVE, DIE HOEWES, CENTURION, 0157, SOUTH AFRICA, South Africa ~72: PAPAZOGLOU, Guy~ 33:ZA ~31:2023/06768 ~32:03/07/2023

2024/07336 ~ Complete ~54:ACUPUNCTURE FIXING DEVICE FOR CEREBRAL STROKE PATIENTS ~71:Anhui Acupuncture and Moxibustion Hospital, No. 300 Shouchun Road, Luyang District, Hefei City, Anhui Province, 230061, People's Republic of China ~72: Bi Xinyang;Cao Shijie;Cao Yi;Li Fei;Li Qin;Liang Zhengpeng;Sun Yongqi;Wang Baoguo;Yin Weishuai;Zhao Na~

2024/07339 ~ Complete ~54:DEFLECTING ARC ~71:GEBERIT INTERNATIONAL AG, Schachenstrasse 77, Switzerland ~72: WEISS, Rolf~ 33:EP ~31:22166048.3 ~32:31/03/2022;33:EP ~31:22166065.7 ~32:31/03/2022;33:EP ~31:22166072.3 ~32:31/03/2022

2024/07344 ~ Complete ~54:DOUBLE PRESSED CHROMIUM ALLOYED CEMENTED CARBIDE INSERT ~71:Sandvik Mining and Construction Tools AB, Valsverksstråket 14, SANDVIKEN 811 34 , SWEDEN, Sweden ~72: ÖSTHOLS, Erik~ 33:EP ~31:22172350.5 ~32:09/05/2022

2024/07345 ~ Complete ~54:COLOR STREAKED GLASS CONTAINERS USING CULLET INJECTION ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: COOPER, Scott;GOCHBERG, Lawrence~ 33:US ~31:63/331,934 ~32:18/04/2022;33:US ~31:17/836,198 ~32:09/06/2022

2024/07321 ~ Provisional ~54:GREENCYCLE INNOVATION ~71:Asivile Mondile(GreenCycle Innovation), 51 Maitland Street , Van Riebeeck Hoogte , Kariega , Eastern Cape , 6229, South Africa ~72: Asivile Mondile~

2024/07328 ~ Complete ~54:A DYNAMICALLY GENERATIVE PERSONALIZED ADVERTISING SYSTEM USING HISTORICAL USER DATA AND VECTOR-BASED SIMILARITY ANALYSIS ~71:VISHWAKARMA

INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHOSALE, Parth Suhas;MORE, Priyanka;SAKHARE, Sachin~

2024/07329 ~ Complete ~54:A COGNITIVE REVIEW AND SECURITY ASSURANCE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KULKARNI, Atul;LONDHE, Om Prashant;MORE, Priyanka;SAKHARE, Sachin~

2024/07333 ~ Complete ~54:A THRESHOLD BASED REINFORCEMENT LEARNING SYSTEM FOR ROUTING IN WIRELESS SENSOR NETWORKS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAUDHARI, Archana Kedar;DESHPANDE, Vivek;MIDHUNCHAKKARAVARTHY, Divya~

2024/07340 ~ Complete ~54:SANITARY ASSEMBLY ~71:GEBERIT INTERNATIONAL AG, Schachenstrasse 77, Switzerland ~72: ALDER, Martin (Deceased);KIPFER, Richard;WEISS, Rolf~ 33:EP ~31:22166048.3 ~32:31/03/2022;33:EP ~31:22166065.7 ~32:31/03/2022;33:EP ~31:22166072.3 ~32:31/03/2022

2024/07343 ~ Complete ~54:OPTIMIZATION OF HEK293 SUSPENSION PLATFORM FOR IMPROVED RAAV TITERS ~71:Adverum Biotechnologies, Inc., 100 Cardinal Way, REDWOOD CITY 94063, CA, USA, United States of America ~72: AGHAJANIREFAH, Ali~ 33:US ~31:63/329,856 ~32:11/04/2022;33:US ~31:63/331,438 ~32:15/04/2022

2024/07346 ~ Complete ~54:PYRIMIDINONE-CONTAINING 17-BETA-HYDROXYSTEROID DEHYDROGENASE TYPE 13 INHIBITORS ~71:ENANTA PHARMACEUTICALS, INC., 500 Arsenal Street, United States of America ~72: GHORAI, Sourav;HE, Jing;LONG, Jiang;MA, Jun;OR, Yat Sun;PANARESE, Joseph D.;WANG, Bin;WANG, Guoqiang~ 33:US ~31:63/335,840 ~32:28/04/2022

2024/07327 ~ Complete ~54:A FINE CALCULATION METHOD AND A COMPUTER STORAGE MEDIUM OF CONCRETE SQUARE QUANTITY BETWEEN DIFFERENT PROCESSES OF TUNNEL ~71:China Railway No.4 Engineering Group Co., Ltd, No.96 Wangjiangdong Road, Baohe District, Hefei City, Anhui Province, 230000, People's Republic of China;THE SECOND ENGINEERING CO., LTD. OF CTCE GROUP, No.9 Litanghe Road, Xiangcheng District, Suzhou City, Jiangsu Province, 215000, People's Republic of China ~72: Anbin Yu;Bo Peng;Guojun Wu;Junmin Li;Lipeng Wang;Lirong Zhu;Qiyi Du;Rui Yi;Wen Zhang;Wensheng Liu;Xiao Chen;Yanyan Zuo;Zhiping Ding;Zun Ye~ 33:CN ~31:202410136945.X ~32:31/01/2024

2024/07330 ~ Complete ~54:WATER TANK STRUCTURE OF REINFORCED WATER SUPPLY EQUIPMENT ~71:Hohai University, No. 1, Xikang Road, Gulou District, Nanjing City, Jiangsu Province, People's Republic of China;Jiangsu Yuzhi River Basin Management Technology Research Institute Co.Ltd., Room 901, No.6 Shuiyougang, Gulou District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Jiajun;Luan Qinghua;Ma Luan;Wang Wenqiang;Wu Mengcai;You Yuanshan;Zhang Xiaoli;Zhang Xinyue;Zhao Jiayi~ 33:CN ~31:202323662090.4 ~32:29/12/2023

2024/07335 ~ Complete ~54:AN OFFLINE SYSTEM FOR NEXT-GEN ROBOTICS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KHADE, Omkar Rajkumar;MAHALLE, Parikshit Narendra;PARDESHI, Atharva Ram;POL, Rahul~

2024/07347 ~ Complete ~54:ANTIVIRAL HETEROCYCLIC COMPOUNDS ~71:ENANTA PHARMACEUTICALS, INC., 500 Arsenal Street, United States of America ~72: KIM, In Jong;LEON, Robert;LI, Xiben;MANN, Tyler J.;MCGRATH, Kevin;MITCHELL, Scott;OR, Yat Sun;SZYMANIAK, Adam;YU, Jianming~ 33:US ~31:63/328,400 ~32:07/04/2022

2024/07348 ~ Complete ~54:PRODUCTION METHOD FOR EXHAUST GAS PURIFICATION CATALYST AND CHEMICAL SOLUTION PLATE USED IN SAID PRODUCTION METHOD ~71:CATALER CORPORATION, 7800 Chihama, Kakegawa-shi, Shizuoka, 4371492, Japan ~72: KENTA INAMORI;KOKI SHIBATA~ 33:JP ~31:2022-057214 ~32:30/03/2022

2024/07334 ~ Complete ~54:IOT BASED AUTOMATED MACHINE LEARNING OPERATIONS WITH XAI ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAKOTE, Srushti Rajesh;KANAWADE, Chinmay Ajit;KAPSE, Soham Sanjay;MAHAJAN, Shalaka Ajay;MAHALLE, Parikshit N.;SHINDE, Geetanjali R.~

2024/07338 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING MAPT EXPRESSION ~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72: BROWN, Bob Dale;CHEONG, Seongmoon;COSTALES, Matthew, Guese;DUDEK, Henryk ,T.;GRIM, Travis;JUNG, Maire;WANG, Shiyu~ 33:US ~31:63/364,609 ~32:12/05/2022

2024/07341 ~ Complete ~54:SANITARY ASSEMBLY ~71:GEBERIT INTERNATIONAL AG, Schachenstrasse 77, Switzerland ~72: ALDER, Martin (Deceased);KIPFER, Richard;WEISS, Rolf~ 33:EP ~31:22166048.3 ~32:31/03/2022;33:EP ~31:22166065.7 ~32:31/03/2022;33:EP ~31:22166072.3 ~32:31/03/2022

2024/07349 ~ Complete ~54:HISTAMINE H3 RECEPTOR ANTAGONISTS AND THEIR PHARMACEUTICAL USES ~71:HANGZHOU BIO-SINCERITY PHARMA-TECH CO., LTD., Room 802, 8th Floor, Building 1, No. 502, Linping Road, Yuhang Economic and Technological Development Zone, Linping District, Hangzhou, Zhejiang, 311100, People's Republic of China ~72: ENGUANG FENG;JINFANG LOU;JINJING QIN;LIFENG JIN;SHAOWEI LEI;XIAOHONG XIONG;XIMING SHEN;YUANYUAN LI;ZEWU JIN~ 33:CN ~31:202210200094.1 ~32:02/03/2022

2024/07323 ~ Complete ~54:DISTRIBUTED OPTICAL FIBER SENSING MONITORING SYSTEM ~71:Anhui Vocational and Technical College, No. 2600, Wenzhong Road, Xinzhan Dist., Hefei, Anhui, People's Republic of China ~72: Hui Liu;Jun Xie;Rui Wan;Xiaodong Qian;Xiaoluo Yin;Xiaomin Xie~

2024/07326 ~ Complete ~54:UAV SUSPENDED SOIL AND WATER CONSERVATION SPRAYING DEVICE AND ITS USE METHOD ~71:Shihezi University, No.221 Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China ~72: Guang YANG;Jianlin ZHU;Meixue ZHANG;Pengrui FENG;Qinglin LI;Shuailong YU;Wenjuan CHEN;Xiaofei YANG;Xuanbing LUO;Yucong YIN~

2024/07331 ~ Complete ~54:PARTIAL DISCHARGE DETECTION SYSTEM FOR ULTRA-HIGH VOLTAGE DIRECT CURRENT ELECTRIC TEST AND METHOD THEREFOR ~71:Gansu Electrical Research Institute, No. 6-6 Changkai Road, Qinzhou District, Tianshui City, Gansu Province, People's Republic of China ~72: Pei Xudong~

2024/07332 ~ Complete ~54:BIRD-REPELLING DEVICE FOR COMMUNICATION TOWERS USED IN ELECTRONIC INFORMATION ENGINEERING ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Hu Hao;Li Rong;Liu Danjuan;Zhang Luping;Zou Chunhong~

2024/07337 ~ Complete ~54:METHOD FOR EXCLUDING THE AGGRESSIVE INCOMPATIBILITY TRAIT FROM STRAINS OF AGARICUS BISPORUS AND RELATED STRAINS AND LINES ~71:SYLVAN AMERICA, INC., 198 Nolte Drive, Kittanning, United States of America;SYLVAN INC., 198 Nolte Dr. Kittanning, United States of America ~72: AMINI, Aniça;DELBECQUE, Sylvie;KERRIGAN, Richard;KESSLER, Michael;LOFTUS, Mark;SCHULTZ, Michelle;SCHULTZ, Wes;WACH, Mark~ 33:US ~31:63/355,283 ~32:24/06/2022

2024/07342 ~ Complete ~54:TRICYCLIC UREA COMPOUNDS AS JAK2 V617F INHIBITORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: AI, Yanran;HE, Chunhong;TAYLOR, Cooper;YUE, Eddy W.;ZHANG, Ke;ZHENG, Zhitong~ 33:US ~31:63/320,909 ~32:17/03/2022;33:US ~31:63/396,826 ~32:10/08/2022

. - APPLIED ON 2024/09/27 -

2024/07371 ~ Complete ~54:AN IOT-BASED LIVESTOCK IDENTIFICATION AND CATEGORIZATION SYSTEM USING MACHINE LEARNING AND IMAGE PROCESSING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: DESHPANDE, Ojas Chetan;DONGRE, Ganesh;MAHALLE, Parikshit N.;SULE, Bipin;TAKALE, Dattatray~

2024/07367 ~ Complete ~54:AN EMOTION PREDICTION SYSTEM WITH CNN-RESNET ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ATRE, Kushagra;DIWAN, Niraj;GHULE, Gauri Vaijukumar;RATHI, Snehal~

2024/07372 ~ Complete ~54:INDUSTRY 4.0 BASED CREDIBILITY SCORE CALCULATION SYSTEM FOR GOVERNMENT CONTRACTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AHIRE, Yash Y.;CHAUDHARI, Prasad;KSHIRSAGAR, Rahul S.;MAHALLE, Parikshit N.;SHINDE, Jayesh R.~

2024/07377 ~ Complete ~54:CONFECTIONERY ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KUSCHEL, Beatrice~ 33:EP ~31:22160202.2 ~32:04/03/2022

2024/07381 ~ Complete ~54:PROCESS FOR PRODUCING VINYL CHLORIDE MONOMER FROM ACETYLENE ~71:Johnson Matthey Public Limited Company, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: SMIDT, Martin Lucas;SMIT, Joost~ 33:GB ~31:2208493.3 ~32:10/06/2022

2024/07394 ~ Complete ~54:CONVEYOR TRANSFER GUARDS ~71:FLEXIBLE STEEL LACING COMPANY, 2525 Wisconsin Avenue, Downers Grove, United States of America ~72: DRUMMOND, Andrew~ 33:US ~31:63/323,960 ~32:25/03/2022

2024/07398 ~ Complete ~54:NICOTINE FORMULATIONS ~71:EMPLICURE AB (publ), Virdings allé 32B, Sweden ~72: ENGQVIST, Håkan;LÖÖF, Jesper~ 33:GB ~31:2204804.5 ~32:01/04/2022;33:GB ~31:2208809.0 ~32:15/06/2022

2024/07354 ~ Provisional ~54:REMOTE CASH DEPOSITING ~71:SIKHOSANA, Mzameni Richard, 36 Honeysucker Avenue, Yellowwood Park, South Africa ~72: SIKHOSANA, Mzameni Richard~

2024/07365 ~ Complete ~54:CONSTRUCTION MANAGEMENT SYSTEM AND METHOD ~71:Tshwane University of Technology, Arcadia Campus, 175 Mandela Drive, Arcadia, PRETORIA 0083, Gauteng Province, SOUTH AFRICA, South Africa ~72: MNCWABE, Grace Nompumelelo;MPOFU, Khumbulani~ 33:ZA ~31:2023/06581 ~32:27/06/2023

2024/07375 ~ Complete ~54:SOLID COMPOSITION AS A SOLUBLE PRECURSOR OF AN ECO-FRIENDLY AND EFFECTIVE METAL-BASED BIOCIDE, PROCESS AND USE THEREOF ~71:BIOREM ENGINEERING SA, Bâtiment Agroscope A0/ Route de Duillier 60 1260, Switzerland ~72: GAUME, Alain;GINDRO, Katia;LAKAYE, Frédéric;SCHNEE, Sylvain~ 33:EP ~31:22168565.4 ~32:14/04/2022

2024/07380 ~ Complete ~54:OILY BIOFUEL SUSPENSION AND METHOD FOR MANUFACTURING SAME ~71:Tecnored Desenvolvimento Tecnologico S.A., Avenida Doutor Francisco Lessa Júnior, nº 2373, salas 01 a

06, Residencial Campos Maia, PINDAMONHANGABA, SP 12422-281, BRAZIL, Brazil ~72: DE ALMEIDA, Ewerton Giovani;DE MOURA, Leonardo Caputo;DE OLIVEIRA, Ronald Lopes;GONÇALVES, Guilherme Francisco;POTTER, Stephen Michael;RIBEIRO, Rilei Vilaça;SOARES, Álvaro Guedes~ 33:BR ~31:1020220061432 ~32:30/03/2022

2024/07388 ~ Complete ~54:AMPHIPHILIC POLYELECTROLYTE COMPLEXES, MULTILAYERS AND BLENDS ~71:Trustees of Tufts College, Ballou Hall, 4th Floor, MEDFORD 02155, MA, USA, United States of America ~72: ASATEKIN ALEXIOU, Ayse;MAZZAFERRO, Luca~ 33:US ~31:63/325,274 ~32:30/03/2022

2024/07384 ~ Complete ~54:B7H4 ANTIBODY-DRUG CONJUGATE 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: ZHANG, Yu;ZHONG, Chen;ZHOU, Yunhua;ZHU, Zhongyuan~ 33:CN ~31:202210334522.X ~32:30/03/2022

2024/07400 ~ Provisional ~54:FOOD SAFETY SEAL ~71:GIDEON MPHIKELELI MADUNA, 14 PRETORIUS STREET, LTX, South Africa ~72: GIDEON MPHIKELELI MADUNA~

2024/07360 ~ Complete ~54:EQUIPMENT FOR REMOVING IMPURITIES AND RECYCLING RESIDUAL FILMS IN COTTON FIELDS ~71:Tarim University, 1487 East Tarim Dadao, Alar City, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: LIU Yang;MA Jiale;TANG Yurong;YANG Xirui;ZHANG Hong;ZHANG Yongcheng~ 33:CN ~31:2024103053682 ~32:18/03/2024

2024/07366 ~ Complete ~54:AN IOT BASED URBAN WASTE MANAGEMENT SYSTEM FOR SUSTAINABLE NATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADHAV, Shubham Dnyandev;BADGUJAR, Prafulla Sudam;BADMANJI, Shantanu Balkrishna;MAHALLE, Parikshit Narendra;WANKHADE, Shalini Vaibhav~

2024/07370 ~ Complete ~54:AN AI-DRIVEN DEMAND FORECASTING SYSTEM FOR RENEWABLE ENERGY INTEGRATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ALI, Muskan Chand;CHAVHAN, Pranali Gajanan;MEHTA, Pradnya Samit;NIMBALKAR, Yashashree Mohan;NIMBALKAR, Yashraj Mohan;VYAVAHARE, Sakshi~

2024/07374 ~ Complete ~54:PROTEIN-SACCHARIDE CONJUGATION WITH SODIUM CYANOBOROHYDRIDE ~71:SANOFI PASTEUR INC., 1 Discovery Drive, Swiftwater, United States of America ~72: GINLEY, Maryalice;HAUSER, Steven M.;NEYRA, Christophe M.~ 33:US ~31:63/329,547 ~32:11/04/2022;33:EP ~31:22172626.8 ~32:10/05/2022

2024/07387 ~ Complete ~54:ZEOLITE MOLDED ARTICLE, ADSORPTION DEVICE, METHOD FOR PRODUCING PURIFIED GAS, AND METHOD FOR PRODUCING ZEOLITE MOLDED ARTICLE ~71:Asahi Kasei Kabushiki Kaisha, 1-1-2 Yurakucho, Chiyoda-ku, TOKYO 1000006, JAPAN, Japan ~72: KAJIWARA, Emi;OHKUBO, Atsushi;SUZUE, Yuji~ 33:JP ~31:2022-053915 ~32:29/03/2022

2024/07352 ~ Provisional ~54:SECURITY ARRANGEMENT ~71:DR Q BOTHA INC, 17 Benurban Street, South Africa ~72: Quentin Martin BOTHA~

2024/07353 ~ Provisional ~54:LIFTING DEVICES ~71:EHLERS, Jan Gerhardus, Wierda Crest Estate, 7145 Roquette Close, Rooihuiskraal North ext 25, South Africa ~72: EHLERS, Jan Gerhardus~

2024/07355 ~ Provisional ~54:INFORMATION SYSTEM AND METHOD ~71:AGOSTINHO, Lucia Kelebohile, 11 Centenary Boulevard, South Africa ~72: AGOSTINHO, Lucia Kelebohile~

2024/07358 ~ Complete ~54:IRON TIE PLATE FOR RAILS, AND MULTI-STATION MULTIDIRECTIONAL EXTRUSION MOLDING DIE AND METHOD THEREFOR ~71:Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No. 149, Kexue Avenue, High-tech Industrial Development Zone, Zhengzhou, Henan Province, 450000, People's Republic of China ~72: LIU, Dan;LIU, Guanghui;SUN, Hongxing;WANG, Tao;ZHANG, Chao~ 33:CN ~31:202410764210.1 ~32:13/06/2024

2024/07361 ~ Complete ~54:ULTRA-LIGHTWEIGHT AND HIGH ELASTIC FIRMIANA SIMPLEX BARK MICROFIBER AEROGELS FOR AIR POLLUTION MITIGATION ~71:Anhui Polytechnic University, No. 8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241060, People's Republic of China;Haian Institute of High-end Textile, Nantong University, No. 36 Chang'an Road, Hai'an Economic and Technological Development Zone, Nantong City, Jiangsu Province, 226621, People's Republic of China;Nantong University, No. 9, Seyuan Road, Chongchuan District, Nantong City, Jiangsu Province, 226004, People's Republic of China ~72: Amjad FAROOQ;WANG Feiyan;WANG Zongqian;YANG Jianwei~

2024/07362 ~ Complete ~54:MULTILEVEL PARKING GARAGE ~71:Jinggangshan University, 28 Xueyuan Road, Qingyuan Disrtict, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: Fuxiao YIN;Guanjian ZANG;Huiling ZHENG;Shikun XIE~ 33:CN ~31:2024219880445 ~32:16/08/2024

2024/07364 ~ Complete ~54:A HOUSING ~71:HYTRONIC (PTY) LTD, CORNER OF STANLEY AND MAX STREETS, KNIGHTS, GERMISTON, 1401, GAUTENG, SOUTH AFRICA, South Africa ~72: SOUVARIS, Donovan, Donald~ 33:ZA ~31:2023/09067 ~32:27/09/2023;33:ZA ~31:2023/10460 ~32:10/11/2023

2024/07383 ~ Complete ~54:CONFECTIONERY ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KUSCHEL, Beatrice~ 33:EP ~31:22160252.7 ~32:04/03/2022

2024/07385 ~ Complete ~54:PROCESS OF OBTAINING HIGH IRON CONTENT PRODUCTS FROM FINES OF IRON ORE AND BIOMASS, AND THEIR PRODUCTS ~71:Vale S.A., Torre Oscar Niemeyer, Praia de Botafogo, n° 186, salas 1101, 1701 e 1801, BOTAFOGO CEP: 22250-145, RIO DE JANEIRO, RJ, BRAZIL, Brazil ~72: BARBOSA, Carlos Henrique Constante;BOECHAT, Fernando Oliveira;CAVALCANTI, Pedro Porto Silva;DA SILVA, Reginaldo Elias;DE RESENDE, Valdirene Gonzaga;DUTRA, Flávio de Castro;MARANHA, Silvio Pereira Diniz;PARREIRA, Fabrício Vilela;PIMENTA, Felipe Viana;SCARABELLI, Leonardo Batista de Almeida;SILVA, Fabiano dos Santos;VENTURA, Leonardo Rodrigues;YAMAMOTO, Mauro Fumio~ 33:BR ~31:1020220060339 ~32:30/03/2022;33:BR ~31:1020230051642 ~32:20/03/2023

2024/07395 ~ Complete ~54:METHODS AND SYSTEMS FOR DETERMINING SEGMENTATION RULES FOR CATEGORISING ENTITIES ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: PERMEZEL, Donald~ 33:AU ~31:2022900848 ~32:31/03/2022

2024/07396 ~ Complete ~54:METHODS AND SYSTEMS FOR FACILITATING ASYNCHRONOUS COMMUNICATION ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: WONG, Chris~ 33:AU ~31:2022900853 ~32:31/03/2022

2024/07357 ~ Complete ~54:AN INTER-SURGICAL SCREW CONNECTING ROD ~71:BECKER, Gert Stephanus, 1378b Breyer Avenue, Waverley, South Africa ~72: BECKER, Gert Stephanus~ 33:ZA ~31:2023/10583 ~32:15/11/2023

2024/07359 ~ Complete ~54:METHOD FOR EVALUATING FRAILTY PHENOTYPE AND FORMULATING CARE PLAN FOR THE ELDERLY,APPARATUS AND MEDIUM ~71:Anhui University of Chinese Medicine, (Shaoquanhu Campus) No. 350 Longzihu Road, Xinzhan District, Hefei City, Anhui Province, 230012, People's Republic of China ~72: FANG, Juhua;GE, Jiejie;HOU, Shanbing;PENG, Sijing;WANG, Ting;WANG, Xiao;WU, Chen;YANG, Jun;YOU, Min;ZHANG, Chuanying~ 33:CN ~31:202411124367.4 ~32:14/08/2024

2024/07368 ~ Complete ~54:AN IOT BASED SYSTEM TO ENHANCE ACCESSIBILITY FOR VISUALLY IMPAIRED ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AKKEWAR, Sankalp Vikas;DHOKE, Aniket Devidas;GODSE, Ritesh Sanjay;GONARE, Vaishnav Babarao;INGLE, Yashwant;MAHALLE, Parikshit Narendra;RAUT, Ketan~

2024/07376 ~ Complete ~54:METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES AND EXHIBITING ONE OR MORE INDICIA ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: BERSIER, Mélissa;PITTET, Hervé;VEYA, Patrick~ 33:EP ~31:22159126.6 ~32:28/02/2022

2024/07382 ~ Complete ~54:BISPECIFIC NATURAL KILLER ENGAGERS THAT TARGET SIGLEC-7 ~71:The Wistar Institute of Anatomy and Biology, 3601 Spruce Street, PHILADELPHIA 19104, PA, USA, United States of America ~72: BORDOLOI, Devivasha;WEINER, David~ 33:US ~31:63/325,887 ~32:31/03/2022;33:US ~31:63/375,784 ~32:15/09/2022;33:US ~31:63/490,156 ~32:14/03/2023

2024/07389 ~ Complete ~54:ANTI-TDP-43 BINDING MOLECULES ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: ADOLFSSON, Oskar;LUTHI-CARTER, Ruth;SEREDENIN, Tamara~ 33:EP ~31:22167341.1 ~32:08/04/2022;33:EP ~31:23164858.5 ~32:28/03/2023

2024/07390 ~ Complete ~54:IN-PROCESS 'DRYING' FOR OIL BASED TIMBER TREATMENT ~71:Arxada AG, Lonzastrasse 2, VISP 3930, SWITZERLAND, Switzerland ~72: BACON, Michael;GRIFFITHS, Hannah;HUGHES, Andrew;NUTTALL, Jamie;UPHILL, Stephen~ 33:US ~31:63/325,857 ~32:31/03/2022;33:US ~31:63/427,139 ~32:22/11/2022

2024/07391 ~ Complete ~54:DEVICE FOR DILUTING AND MIXING CONCENTRATED AQUEOUS SOLUTIONS ~71:YARA INTERNATIONAL ASA, Drammensveien 131, Norway ~72: GOTO, Wilson Shinji;VAN SANTEN, Wouter~ 33:EP ~31:22174249.7 ~32:19/05/2022

2024/07393 ~ Complete ~54:RHINOVIRUS VACCINE ~71:IP2IPO INNOVATIONS LIMITED, 2nd Floor 3 Pancras Square, United Kingdom ~72: BENDTSEN, Claus;BORNOT, Aurelie;HAMBLIN, Paul;JOHNSTON, Sebastian;RICCHIUTO, Piero;SHAW, Stephen~ 33:GB ~31:2202738.7 ~32:28/02/2022

2024/07399 ~ Complete ~54:ALKALINE INTRAORAL FORMULATIONS ~71:EMPLICURE AB (publ), Virdings allé 32B, Sweden ~72: ENGQVIST, Håkan;LÖÖF, Jesper~ 33:GB ~31:2204804.5 ~32:01/04/2022;33:GB ~31:2208807.4 ~32:15/06/2022

2024/07356 ~ Provisional ~54:EMULSION EXPLOSIVES ~71:AECI MINING LIMITED, AECI Place, 23/24 The Woodlands, Woodlands Drive, Woodmead,, SANDTON 2191, SOUTH AFRICA, South Africa ~72: KHARATYAN, Ellina~

2024/07363 ~ Complete ~54:ACCESS CONTROL UNIT ~71:DELTROLUX (PTY) LTD, Lords Office Park, Block 8, Centurion, 0157, South Africa ~72: DWAYNE-LODI KLOPPERS~ 33:ZA ~31:2023/06583 ~32:27/06/2023

2024/07373 ~ Complete ~54:PRIMERS AND PROBES FOR DETECTING MYCOBACTERIA ~71:SANOFI PASTEUR, 14 Espace Henry Vallée, Lyon, France ~72: FERNANDEZ, Clothilde;MARIUS, Marine~ 33:EP ~31:22305428.9 ~32:31/03/2022

2024/07369 ~ Complete ~54:AN IOT BASED SYSTEM FOR GREEN CITY MANAGEMENT TOWARDS SUSTAINABLE NATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADHAV, Shubham

Dnyandev;BADGUJAR, Prafulla Sudam;BADMANJI, Shantanu Balkrishna;MAHALLE, Parikshit Narendra;WANKHADE, Shalini Vaibhav~

2024/07378 ~ Complete ~54:WATER AND QUALITY MANAGEMENT OF OIL-BASED WOOD PRESERVATIVES ~71:Arxada AG, Lonzastrasse 2, VISP 3930, SWITZERLAND, Switzerland ~72: GRIFFITHS, Hannah;HUGHES, Andrew;MYERS, Jessica;NUTTALL, Jamie;UPHILL, Stephen;WEBSTER, Ed~ 33:US ~31:63/325,838 ~32:31/03/2022;33:US ~31:63/427,131 ~32:22/11/2022

2024/07379 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ACTIVATING IMMUNE CELLS ~71:MDX Management LLC, 9046 La Jolla Shores Lane, LA JOLLA 92037, CA, USA, United States of America ~72: BIAN, Zhen;LIU, Yuan;SHI, Lei;STYLLI, Harry~ 33:US ~31:63/325,439 ~32:30/03/2022

2024/07386 ~ Complete ~54:REDUCTION OF A METAL OXIDE-CONTAINING MATERIAL ON THE BASIS OF AMMONIA NH_3 ~71:Primetals Technologies Austria GmbH, Turmstraße 44, LINZ 4031, AUSTRIA, Austria ~72: FLEISCHANDERL, Alexander;MILLNER, Robert;WEISS, Bernd~ 33:EP ~31:22165598.8 ~32:30/03/2022;33:EP ~31:22194331.9 ~32:07/09/2022

2024/07392 ~ Complete ~54:METHOD FOR WELDING TWO PIPES TO EACH OTHER, AND CORRESPONDING PIPEWORK ~71:FRAMATOME, 1 place Jean Millier, Tour Areva, France ~72: BROSSE, Alexandre;MABELLY, Philippe~ 33:FR ~31:2203262 ~32:08/04/2022

2024/07397 ~ Complete ~54:APPARATUS AND METHOD FOR MAGNETISING MATERIALS ~71:DRY TAIL IP PTY LTD, 47 Brigalow Avenue, Australia ~72: KUCHEL, Ian (deceased)~ 33:AU ~31:2022900996 ~32:14/04/2022

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2024/07410 ~ Complete ~54:PREPARATION METHOD FOR CEMENTED FILLING BASED ON PHOSPHOGYPSUM PRETREATMENT ~71:Central South University, No. 932, Lushan South Road, Yuelu District, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Aixiang WU;Daolin WANG;Qiusong CHEN;Zhuen RUAN~ 33:CN ~31:2024112188195 ~32:02/09/2024

2024/07431 ~ Complete ~54:A PLAYZONE SLOT BOOKING AUTOMATION AND SECURITY SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHITRE, Abhijit V.;DESHMUKH, Minal;GAWANDE, Pravin G.;HABBU, Shraddha K.;PATIL, Milind S.;RAUT, Ketan J.~

2024/07449 ~ Complete ~54:METHOD OF EXTRATING FLAVONES FROM BAMBOO LEAVES AND APPLICATIONS THEREOF ~71:Anhui Science And Technology University, No.9 Donghua Road, Fengyang County, Chuzhou, Anhui, 233100, People's Republic of China ~72: DOU Jinfeng;GUO Zhenchao;LI Xinyu;LU Tong;SUN Yanqi;WANG Haibo;WANG Xuemiao;ZHANG Xinyong~ 33:CN ~31:202310281228.1 ~32:22/03/2023

2024/07455 ~ Complete ~54:METHOD, PROGRAM, AND APPARATUS FOR CONTROLLING ACCESS TO A DISTRIBUTED SHARED LEDGER ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: HALLEY, Nicholas;VENKATRAM, Arun~ 33:AU ~31:2022900851 ~32:31/03/2022

2024/07414 ~ Complete ~54:AN ENVIRONMENTALLY FRIENDLY HIGH-PERFORMANCE ASPHALT MIXTURE AND PREPARATION METHOD THEREOF ~71:Guangxi Shangheng Expressway Co., Ltd., 4th Floor, High-speed Railway Headquarters Base, Litang Town, Binyang County, Nanning City, Guangxi Zhuang Autonomous Region, 530409, People's Republic of China ~72: Jikai TANG;Lei GONG;Qinhuan LIANG;Shengjie ZHAO;Xiong GAO;Zhirong WU~

2024/07419 ~ Complete ~54:MULTI-NETWORK PORT PROTECTION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM ~71:STATE GRID ZHEJIANG HANGZHOU FUYANG POWER SUPPLY COMPANY, No. 218 Jiangbo Street, Lushan Street, Fuyang District, Hangzhou City, People's Republic of China;STATE GRID ZHEJIANG HANGZHOU POWER SUPPLY COMPANY, No. 59 Jiefang East Road, Shangcheng District, Hangzhou City, People's Republic of China ~72: CHEN, Chao;CHI, Jianfei;HAN, Rongjie;LAI, Yibo;LI, Qiangqiang;LUO, Jun;LUO, Shaojie;MAO, Donghua;QIAN, Jin;SHEN, Siqi;SUN, Zhiqing;WAN, Yanzhen;XU, Li;ZHAO, Zongluo;ZHOU, Bo~ 33:CN ~31:202410917205.X ~32:10/07/2024

2024/07423 ~ Complete ~54:VARIABLE FERTILIZATION METHOD FOR RICE ~71:Anhui Science and Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Hao Bing;Liu Huan;Ning Jiayao;Pan Yang;Ren Lantian;Shao Qingqin;Wang Xingyu~

2024/07432 ~ Complete ~54:A MACHINE LEARNING BASED ADVANCED PREDICTIVE SYSTEM FOR CROP HARVESTING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: RATHI, Snehal;SAKHARE, Sachin;SHAH, Samkit Jitendra;WAMANACHARYA, Shubham Pramod~

2024/07435 ~ Complete ~54:AN ENERGY MANAGEMENT SYSTEM FOR UNDER SEA COMMUNICATIONS ~71:AGARWAL, Sohit, ASSOCIATE PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, SURESH GYAN VIHAR UNIVERSITY, GYAN VIHAR MARG, JAGATPURA, JAIPUR, RAJASTHAN, 302017, India;BABU, Manju Rajan, ASSISTANT PROFESSOR, SCHOOL OF BUSINESS, BAHRAIN POLYTECHNIC, PO BOX-33349, ISA TOWN, Bahrain;JENA, Soumya Ranjan, ASSISTANT PROFESSOR, SCHOOL OF COMPUTING AND ARTIFICIAL INTELLIGENCE, NIMS UNIVERSITY, JAIPUR, RAJASTHAN, 303121, India;MOHANACHANDRAN, Dileep Kumar, VICE CHANCELLOR & PROFESSOR, HENSARD UNIVERSITY, NO. 1 NANAYE DICKSON ROAD, TORU-ORUA, SAGBAMA LGA, BAYELSA STATE, P.O. BOX-1036, Nigeria;UPPIN, Chandrashekhar, DEAN AND PROFESSOR, FACULTY OF SCIENCE AND COMPUTING, HENSARD UNIVERSITY, NO. 1 NANAYE DICKSON ROAD, TORU-ORUA, SAGBAMA LGA, BAYELSA STATE, P.O. BOX-1036, Nigeria ~72: AGARWAL, Sohit;BABU, Manju Rajan;JENA, Soumya Ranjan;MOHANACHANDRAN, Dileep Kumar;UPPIN, Chandrashekhar~

2024/07448 ~ Complete ~54:ORTHODONTIC SELF-LOCKING BRACKET AND SYSTEM WITH CONTROLLABLE ARCH WIRE TORQUE ~71:LV, Tao, 44 Wenhua West Road, Lixia District, Jinan, Shandong, People's Republic of China ~72: LV, Tao~ 33:CN ~31:202210486111.2 ~32:06/05/2022

2024/07453 ~ Complete ~54:A NOVEL NUTRACEUTICAL/THERAPEUTICAL COMPOSITION OF CINNAMIC ACID DERIVATIVES WITH SUCROSE ISOMERS ~71:FERTIS INDIA PVT. LTD., 6-3-668/10/56, Plot No 56, Ist Floor, Durga Nagar Colony, India ~72: GARUDADHIRI, Prasannakumar Lakshmi;KANUMURU, Rahul Raju;KOCHUMALAYIL, Shaji George;SURANENI, Ravikumar;VANA, Murali Mohanarao~ 33:IN ~31:202241019382 ~32:31/03/2022

2024/07463 ~ Complete ~54:SPIROBICYCLIC COMPOUNDS ~71:ACERAND THERAPEUTICS (HONG KONG) LIMITED, 6/F, CNT Commercial Building, No. 302 Queen's Road Central, Central, People's Republic of China ~72: LIU, Bin;PAN, Weitao;YU, Kuo-Long~ 33:US ~31:63/325,721 ~32:31/03/2022;33:US ~31:63/419,438 ~32:26/10/2022

2024/07467 ~ Complete ~54:DIACYLGLYCEROL KINASE (DGK) ALPHA INHIBITORS AND USES THEREOF ~71:Insilico Medicine IP Limited, 26th Floor, Three Exchange Square, 8 Connaught Place Central, HONG KONG, CHINA (P.R.C.), People's Republic of China ~72: DING, Xiao;LU, Hongfu;REN, Feng;YU, Huaxing~ 33:IB ~31:2022/078653 ~32:01/03/2022;33:IB ~31:2022/091497 ~32:07/05/2022;33:IB ~31:2022/127020 ~32:24/10/2022;33:IB ~31:2023/071857 ~32:12/01/2023

2024/07473 ~ Complete ~54:RE-USABLE CHASSIS WITH PARTICULAR FRAME FOR USE WITH DISPOSABLE ABSORBENT PAD ~71:W. PELZ GMBH & CO KG, Willy-Pelz-Str. 8-9 23812, Germany ~72: RÖTTGER, Henning;WALLERT, Matthias~ 33:EP ~31:22164271.3 ~32:25/03/2022;33:EP ~31:22192264.4 ~32:26/08/2022

2024/07409 ~ Complete ~54:A COMPOSITION OF FAST DISSOLVING SERTRALINE HYDROCHLORIDE ORAL FILMS FOR ENHANCED BIOAVAILABILITY AND MINIMIZED SIDE-EFFECTS ~71:Divya Budarapu, Research Scholar, Department of Pharmaceutics, Sri Padmavati Mahila Visvavidyalayam, Institute of Pharmaceutical Technology, Tirupati, Andhra Pradesh, 517502, India;Dr. Uppala Mohan Kumar, Professor & Principal, Nirmala College of Pharmacy, Ukkayapalli, Hyderabad - Chennai Bypass, Kadapa Y. S. R., 516002, Andhra Pradesh, India;Jeevana Jyothi Bandela, Professor, Department of Pharmaceutics, Sri Padmavati Mahila Visvavidyalayam, Institute of Pharmaceutical Technology, Tirupati, Andhra Pradesh, 517502, India ~72: Divya Budarapu;Dr. Uppala Mohan Kumar;Jeevana Jyothi Bandela~ 33:IN ~31:202441035681 ~32:06/05/2024

2024/07411 ~ Complete ~54:DYNAMIC ANALYSIS AND COMPARISON METHOD FOR IDENTIFYING SALINE-ALKALINE TOLERANCE OF SOYBEAN ~71:Heilongjiang Academy of Agricultural Sciences, No. 368 Xuefu Road, Yuejin Street, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: CUI, Liwei;GAO, Mingjie;LI, Jinrong;LIU, Xiulin;REN, Honglei;WANG, Jiajun;ZHOU, Yuanyuan~

2024/07429 ~ Complete ~54:A METHOD AND DEVICE FOR ENHANCING COGNITIVE FUNCTION IN OLDER ADULTS TO PREVENT MILD COGNITIVE IMPAIRMENT ~71:AMAYA ORELLANA, Carmen Gloria, Street: Manuel Jesús Silva #2249, Apartment: #1609. Iquique,1100000, Chile;CARSTENS VÁSQUEZ, Chestin Tatiana, Street: Pontevedra #1112, Apartment: #42, Las Condes, Santiago, 7550000, Chile;Universidad Bernardo O'Higgins, Viel Av. #1497, Santiago, Santiago, 8370993, Chile ~72: AMAYA ORELLANA, Carmen Gloria;CARSTENS VÁSQUEZ, Chestin Tatiana~

2024/07405 ~ Provisional ~54:MOBILE SUBSCRIBER CREDIT CONVERSION BUY BACK ~71:Mtutuzeli Rammonaseswa Molomo, 118 Boundary Road, Golf View, Walkerville, 1876, Gauteng, South Africa ~72: Mtutuzeli Rammonaseswa Molomo~

2024/07407 ~ Provisional ~54:FLOATING BARRIER ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, Spartan, South Africa ~72: TBA~

2024/07415 ~ Complete ~54:A RAPID REPAIR METHOD FOR ROAD CRACKS BASED ON GEOPOLYMER-MODIFIED ASPHALT ~71:Guangxi Shangheng Expressway Co., Ltd., 4th Floor, High-speed Railway Headquarters Base, Litang Town, Binyang County, Nanning City, Guangxi Zhuang Autonomous Region, 530409, People's Republic of China ~72: Fubing TAN;Jin XIE;Mengxian WEI;Qinhuan LIANG;Yuchun LU;Yugang HAN~

2024/07422 ~ Complete ~54:AN INPUT-INDEPENDENT IOT-BASED INTELLIGENT AUTO-VISUALIZER SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AHIRE, Yash Y.;CHANDWADE, Saurabh P.;JADHAV, Prranjali S.;KACHHORIA, Renu D.;KHODKE, Shantanu S.;MAHALLE, Parikshit N.~

2024/07424 ~ Complete ~54:A SEMI AUTOMATED SYSTEM TO HELP IS AUDITORS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGADE, Jayashri Vitthalrao;DRAVID, Sampda Viraj;JUNNARKAR, Aparna Atul;KOLEKAR, Harshda Yogesh;PATIL, Swati~

2024/07430 ~ Complete ~54:AN AI AND ML BASED SMART DRONE FOR EMERGENCY MEDICAL DELIVERY SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA

NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Gajanan H.;CHAVHAN, Pranali G.;DONGRE, Yashwant V.;KARYAKARTE, Mandar S.;KOLEKAR, Vikas K.;WASATKAR, Namrata N.~

2024/07442 ~ Complete ~54:AN ANOMALY DETECTION SYSTEM IN SIGNAL AND VISUALIZATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHITRE, Abhijit V.;DESHMUKH, Minal;HABBU, Shraddha K.;MAHAJAN, Rupali;MAHALLE, Parikshit N.;PATIL, Milind S.;RAUT, Ketan J.;WANJALE, Kirti H.~

2024/07452 ~ Complete ~54:A HAND TROLLEY FOR RECEIVING AND TRANSPORTING A LEGGED FRACTIONAL DISPLAY PLATFORM ~71:CHEP TECHNOLOGY PTY LIMITED, Level 29, 255 George Street, Australia ~72: CAPPUYNS, Nicolas;LOPEZ URAN, Daniel~ 33:GB ~31:2204641.1 ~32:31/03/2022

2024/07465 ~ Complete ~54:OVERT SECURITY FEATURES ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: CALLEGARI, Andrea;DE JAEGERE, Frederika Kristina;GARNIER, Christophe;MANI, Cindy;VUILLEUMIER, Lucien~ 33:EP ~31:22305229.1 ~32:01/03/2022

2024/07468 ~ Complete ~54:VAGINAL LIVE BIO-THERAPEUTIC COMPOSITIONS AND METHODS OF USE THEREOF ~71:Centre for the AIDS Programme of Research in South Africa, 2nd Floor, Doris Duke Medical Research Institute, 719 Umbilo Road, Congella, DURBAN 4013, KWAZULU-NATAL, SOUTH AFRICA, South Africa;The General Hospital Corporation, 55 Fruit Street, BOSTON 02114, MA, USA, United States of America;University of Cape Town, Private Bag X3, RONDEBOSCH 7701, CAPE TOWN, SOUTH AFRICA, South Africa;University of Maryland, Baltimore, 620 W. Lexington Street, 4th Floor, BALTIMORE 21201, MD, USA, United States of America ~72: FRANCE, Michael;HAPPEL, Anna-Ursula;HUSSAIN, Fatima;KWON, Douglas;MITCHELL, Caroline Morrissey;NGCAPU, Sinaye;PASSMORE, Jo-Ann;RAVEL, Jacques~ 33:US ~31:63/315,503 ~32:01/03/2022;33:US ~31:63/382,704 ~32:07/11/2022

2024/07472 ~ Complete ~54:SYSTEM, DEVICE AND METHOD FOR PLANT IDENTIFICATION AND SPRAY CONTROL ~71:EIRENE PROJETOS E CONSULTORIA LTDA, Av Ipiranga, 6681, Prédio 96e, Sala 120, Raiar Tecnopuc, Brazil ~72: BORGES, Gabriel De Morais;FIEGENBAUM, Artur Stein;MACHADO, Diógenes Dos Santos;MARCKMANN, Eduardo~ 33:BR ~31:1020220068445 ~32:08/04/2022

2024/07402 ~ Provisional ~54:THE WORLD CUP OF JOB CREATION ~71:Nikolaus Eberl, 44 Melrose Boulevard (att Postnet), South Africa ~72: Nikolaus Eberl~

2024/07404 ~ Provisional ~54:QINZO - A CAR WASH REQUEST AND SERVICE PROVIDER PLATFORM. THE PRESENT INVENTION RELATES TO A MOBILE APPLICATION PLATFORM THAT CONNECTS CAR OWNERS WITH CAR WASH SERVICE PROVIDERS. THE PLATFORM FACILITATES CAR WASH REQUESTS AND ALLOWS SERVICE PROVIDERS TO ACCEPT AND FULFIL THESE REQUESTS BY PROVIDING CAR WASH SERVICES AT THE CUSTOMER’S LOCATION. ~71:Kwandokuhle Ndlovu, 93 Kirby Beller Road Glenvista, South Africa ~72: Kwandokuhle Ndlovu~

2024/07413 ~ Complete ~54:A XINJIANG KAZAKH SHEEP FATTENING HIGH PROTEIN FEED AND PREPARATION METHOD THEREOF ~71:Xinjiang Production and Construction Corps Seventh Division Agricultural Science Research Institute, No. 97 East Urumqi Road, Kuitun City, Xinjiang Uygur Autonomous Region, 833200, People's Republic of China ~72: Guoqing HOU;Haijuan WANG;Hui ZHANG;Jing DU;Pengzhi MAO;Wen ZHANG;Yanmei WU;Zhangming SHEN~

2024/07417 ~ Complete ~54:GRASSLAND SOIL SALINIZATION AND ALKALIZATION TREATMENT DEVICE AND METHOD ~71:Gansu Agricultural University, Gansu Agricultural University, 1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Guang LI;Haiyan WANG;Jiangqi WU;Xiaoyuan WU~

2024/07421 ~ Complete ~54:DOSE REGIMENS FOR USE OF LY3154207 IN THE TREATMENT OF DOPAMINERGIC CNS DISORDERS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BIGLAN, Kevin Michael;KILEY, Christina Marie;SVENSSON, Kjell Anders Ivan~ 33:US ~31:62/781,251 ~32:18/12/2018;33:US ~31:62/904,048 ~32:23/09/2019

2024/07428 ~ Complete ~54:METHOD FOR ESTIMATING WHEAT YIELD BASED ON MULTI-SPECTRAL IMAGES ACQUIRED BY UNMANNED AERIAL VEHICLE ~71:Anhui Science and Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Hao Bing;Li Kaiwei;Ma Dongxu;Ren Lantian;Shao Qingqin;Shu Chenhui;Yue Zihan~

2024/07433 ~ Complete ~54:AN IOT-BASED AUTISM SPECTRUM DISORDER DETECTION AND INTERPRETATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHOSALE, Pournima;CHHABADA, Dev;GHULE, Vijaykumar;MAHALLE, Parikshit;MEHTA, Pradnya;NAWADKAR, Ashwini;THAWARE, Ved;YADAV, Gitanjali~

2024/07437 ~ Complete ~54:AN AI-DRIVEN CONTROLLER SYSTEM FOR ENHANCED PERFORMANCE, EFFICIENCY, AND SAFETY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BHANDARI, Mahesh Ashok;BORA, Tanmay Gautam;JABRAS, Divya Vijay;JAGDALE, Manoj;MAHALLE, Parikshit;PATIL, Vaishali Arun;RAUT, Avinash;SHAMKUWAR, Sonal;WANGE, Parthsarthi Sanjayarao;WANJALE, Kirti Hemant~

2024/07456 ~ Complete ~54:BEVERAGE DISPENSER AND METHOD FOR BEVERAGE DISPENSING ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BAX, Bart Jan;BROUWER, Eric Richard;OTTO, Jeroen Frank;PAAUWE, Arie Maarten~ 33:EP ~31:22168871.6 ~32:19/04/2022

2024/07457 ~ Complete ~54:AUTOMATIC DIGITAL INSPECTION OF RAILWAY ENVIRONMENT ~71:HACK PARTNERS LIMITED, 10 Market Place,, United Kingdom ~72: KAY, Sebastian Adam;PARANDEH, Alireza;TARGINO DA COSTA, Andre Luiz Nunes~ 33:GB ~31:2202920.1 ~32:02/03/2022

2024/07471 ~ Complete ~54:INFLATABLE FROTH CROWDER APPARATUS FOR FLOTATION MACHINES ~71:FLSmidth A/S, Vigerslev Alle 77, VALBY 2500, DENMARK, Denmark ~72: ALBERS, Jake;LELINSKI, Dariusz;SOK, Thien;STARK, Michael;UPHAM, Christopher~ 33:US ~31:63/326,393 ~32:01/04/2022

2024/07474 ~ Provisional ~54:ECO-FRIDGE ~71:THOKOZANI JERRY MDLULI, 6246 MNQCOSIA STREET, RATANDA, South Africa ~72: THOKOZANI JERRY MDLULI~

2024/07475 ~ Provisional ~54:SYSTEM AND METHOD FOR DISPENSING DOCUMENTS, INCLUDING ID DOCUMENTS AND PAYSLIPS, VIA AN AUTOMATED TELLER MACHINE ~71:XANGU, Themba Samuel, 67 Hobson Street, South Africa ~72: XANGU, Themba Samuel~

2024/07484 ~ Complete ~54:SOLUBILIZER FOR VARIOUS MIXTURES ~71:BOTTIN, Marcelo, RUA MARECHAL BARBACENA, Brazil;FARIA, Bruno Pires, RUA A MARTINS, 50, Brazil;OLIVEIRA DE SOUZA, João Ivo, TRAVESSA TRÊS, 28, Brazil;VITIELLO, Omar, AVENIDA IBIRAPUERA, Brazil ~72: DE SOUZA, João Ivo Avelaneda;VITIELLO, Omar~ 33:BR ~31:1020220106401 ~32:31/05/2022

2024/07462 ~ Complete ~54:COMPOSITE POLYMERIC MATERIALS, AND PRODUCTS AND METHODS OF PREPARING THE SAME ~71:EVOLVED BY NATURE, INC., 117 Kendrick Street, Suite 700, Needham, Massachusetts, 02494, United States of America ~72: ENRICO MORTARINO;JASON COX;JOSHUA DAVIS;LAM TRAN;MURAT TONGA;SARA ANN JOHNSON;ZIYANG ZHANG~ 33:US ~31:63/315,945

~32:02/03/2022;33:US ~31:63/355,412 ~32:24/06/2022;33:US ~31:63/376,219 ~32:19/09/2022;33:US ~31:63/376,224 ~32:19/09/2022;33:US ~31:63/376,229 ~32:19/09/2022;33:US ~31:63/383,196 ~32:10/11/2022;33:US ~31:63/479,947 ~32:13/01/2023

2024/07418 ~ Complete ~54:PUSHING AND CLEANING DEVICE FOR ANIMAL HUSBANDRY ~71:Henan Provincial Animal Husbandry General Station, No. 91, Jingsan Road, Jinshui District, Zhengzhou City, Henan Province, People's Republic of China;Ningling County Yudong Animal Husbandry Development Co.,Ltd., Huzhuang Village, Huabao Town, Ningling County, Shangqiu City, Henan Province, People's Republic of China ~72: HU Yeyong;MA Jianling;WANG Xianwei;XU Man;ZHANG Jiaqing~

2024/07426 ~ Complete ~54:A DYNAMIC RATE LIMITER SYSTEM FOR BILLBOARD HUB ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGADE, Jayashri Vitthalrao;DRAVID, Sampda Viraj;JUNNARKAR, Aparna Atul;KOLEKAR, Harshda Yogesh;PATIL, Swati~

2024/07436 ~ Complete ~54:AN AUTOMATED SOCIAL MEDIA COMMENT REPLIER SYSTEM USING SENTIMENT ANALYSIS AND LARGE LANGUAGE MODEL ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BEWOOR, Laxmi Anand;DONGRE, Yashwant Vinayak;RAMCHAWARE, Yashwardhan;REGE, Pallavi;TIWASKAR, Shweta~

2024/07438 ~ Complete ~54:SOIL-TURNING DEVICE FOR BRASSICA RAPA CULTIVATION ~71:Agricultural Mechanization Research Institute of Xinjiang Academy of Agricultural Sciences, No. 291, Nanchang South Road, Shayibake District, Urumqi City, Xinjiang Uygur Autonomous Region, 830091, People's Republic of China;Horticultural Crop Research Institute of Xinjiang Academy of Agricultural Sciences, No. 403, Nanchang Road, Shayibake District, Urumqi City, Xinjiang Uygur Autonomous Region, 830091, People's Republic of China;Xinjiang Ailinur Agricultural Technology Development Co., Ltd, No. 18, Wuyi Road, Keping County, Aksu Prefecture, Xinjiang Uygur Autonomous Region, 843699, People's Republic of China ~72: Ban Ting;Hailili Reyilamu;Han Hongwei;Hua Zhenyu;Liang Qiuyan;Liu Huifang;Shi Shuai;Wang Hao;Wang Qiang;Yu Ming;Yue Li;Zhuang Hongmei~

2024/07440 ~ Complete ~54:ROBOTIC INTELLIGENT GRINDING HEAD ~71:Shandong Institute of Petroleum and Chemical Technology, No. 271, North Second Road, Dongying City, Shandong Province, 257061, People's Republic of China ~72: Liu Jiaming;Liu Lihong;Liu Shanzeng~

2024/07441 ~ Complete ~54:AN AI-DRIVEN BATTERY MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ALI, Muskan Chand;MARATHE, Vijay Mahadev;MEHTA, Pradnya Samit;NIMBALKAR, Yashashree Mohan;NIMBALKAR, Yashraj Mohan;VYAVAHARE, Sakshi~

2024/07445 ~ Complete ~54:MATERNITY OBSTETRIC ACTIVITY ASSISTANCE DEVICE ~71:THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), 63 Duobao Road, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Chen CHEN~

2024/07446 ~ Complete ~54:MIDWIFERY CLEANING DEVICE ~71:THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), 63 Duobao Road, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Chen CHEN~

2024/07451 ~ Complete ~54:ANNULAR MICROELECTROMECHANICAL ANGULAR RATE SENSOR ~71:NORTHROP GRUMMAN LITEF GMBH, Lörracher Strasse 18, Germany ~72: RENDE, Jan Daniel~ 33:DE ~31:10 2022 114 407.0 ~32:08/06/2022

2024/07464 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: DZIEKONSKI, Dariusz;OFOEGBUNA, Tochukwu;PILLAI, Shyamala;SUBHASH, Hrebesh Molly~ 33:US ~31:63/328,456 ~32:07/04/2022

2024/07486 ~ Complete ~54:KRAS G12D MODULATING COMPOUNDS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: DAI, CHAODI;GUERRERO, JUAN A.;GUNEY, TEZCAN;GUO, HONGYAN;KATO, DARRYL;KIBURU, IRENE N.;LAZERWITH, SCOTT E.;MCKINLEY, JESSICA L.;MEDLEY, JONATHAN WILLIAM;PYUN, HYUNG-JUNG;TIAN, MAOQUN;TSUI, VICKIE H.;WATKINS, WILLIAM J.;ZAJDLIK, ADAM D.;ZHANG, JENNIFER R.~ 33:US ~31:63/333,347 ~32:21/04/2022;33:US ~31:63/353,726 ~32:20/06/2022;33:US ~31:63/386,651 ~32:08/12/2022

2024/07420 ~ Complete ~54:A TEMPORARY SAND AND GRAVEL STORAGE BIN ~71:China RAILWAY NO.2 Engineering Group Co., Ltd., No. 16, Tongjin Road, Jinniu District, Chengdu City, Sichuan Province, 610031, People's Republic of China;China Railway Investment Group Co., Ltd., Room 309, Building 1, No. 9, Xinghuo Road, Fengtai District, Beijing City, 100070, People's Republic of China;China Railway No.2 Bureau No.4 Engineering Co., Ltd., No.8, Xinhe Road, Qingbaijiang District, Chengdu City, Sichuan Province, 610300, People's Republic of China;China Railway Second Bureau Changchun Engineering Co., Ltd., 1# Building, Yongchang Community, Nanguan District, Changchun City, Jilin Province, 130041, People's Republic of China ~72: Haiyang Tian;Qiulin Hu;Shengxing Zhong;Wei Zhao;Xiaolin Dou;Yu Lu;Yuanshuai Zhao~ 33:CN ~31:202323395414.2 ~32:12/12/2023

2024/07427 ~ Complete ~54:TEACHERS' TEACHING LEVEL ASSESSMENT SYSTEM BASED ON BIG DATA ANALYSIS ~71:Xinjiang Normal University, No. 100, Guanjing Road, Shuimogou District, Urumqi City, Xinjiang Uygur Autonomous Region, 830017, People's Republic of China ~72: Meng Xiaomei;Wang Wei;Yan Juting~

2024/07434 ~ Complete ~54:A COMPREHENSIVE ACCESSIBILITY SYSTEM FOR DIVERSE USER NEEDS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: MAHALLE, Parikshit N.;SABLE, Nilesh Popat;SHRIMANT, Gaikwad Vidya;YENKIKAR, Anuradha Vishwajit~

2024/07444 ~ Complete ~54:AN AI BASED PERSONAL SAFETY AND HEALTH MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: KARADKAR, Om Santosh;KATDARE, Ameya;KHUNTE, Piyush;LOHGAONKAR, Sanket;MAHAJAN, Rupali;RATHI, Snehal;REGE, Pallavi;SHELKE, Priya;TIWASKAR, Shweta~

2024/07450 ~ Complete ~54:MICROELECTROMECHANICAL COUPLING DEVICE ~71:NORTHROP GRUMMAN LITEF GMBH, Lörracher Strasse 18, Germany ~72: RENDE, Jan Daniel~ 33:DE ~31:10 2022 114 406.2 ~32:08/06/2022

2024/07469 ~ Complete ~54:QUINOLINE CGAS ANTAGONIST COMPOUNDS ~71:ImmuneSensor Therapeutics, Inc., 2110 Research Row, Suite 610, DALLAS 75235, TX, USA, United States of America;The Board of Regents of The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: CHEN, Chuo;CHEN, Zhijian;QIU, Jian;SHI, Heping;SUN, Lijun;TAN, Huiling;TSCHANTZ, Matt;WEI, Qi;WU, Youtong~ 33:US ~31:63/315,968 ~32:02/03/2022;33:US ~31:63/478,467 ~32:04/01/2023

2024/07458 ~ Complete ~54:ANTI-CD39 ANTIBODIES AND USE THEREOF ~71:ARCUS BIOSCIENCES, INC., 3928 Point Eden Way, United States of America;WUXI BIOLOGICS IRELAND LIMITED, Mullagharlin, Ireland ~72: BOWMAN, Christine Elizabeth;CHEN, Ada Pei Xian;FERNANDEZ-SALAS, Ester;GU, Jijie;HU, Yaohua;NIE, Siwei;WALKER, Nigel Pelham Clinton;ZHAO, Xiaoning~ 33:CN ~31:PCT/CN2022/079021 ~32:03/03/2022;33:CN ~31:PCT/CN2022/126070 ~32:19/10/2022

2024/07408 ~ Provisional ~54:ADVANCED SAND BATTERY THERMAL MANAGEMENT SYSTEM ~71:Thor Karl Sellar, 70 Raglan Street,, South Africa ~72: Thor Karl Sellar~

2024/07485 ~ Complete ~54:APPARATUS AND METHOD FOR GENERATING TRUE RANDOM NUMBER ~71:NANJING JUGONG TECHNOLOGY CO., LTD., NO. 12, MOZHOU EAST ROAD, MOLING STREET, People's Republic of China ~72: CHEN, Yin;QIAN, Qingzhao~ 33:CN ~31:202210401983.4 ~32:18/04/2022;33:CN ~31:202210887783.4 ~32:26/07/2022

2024/07406 ~ Provisional ~54:METHOD OF AND SYSTEM FOR MANAGING AND OPTIMISING A RIDE-SHARING APPLICATION ~71:FAKU, Zwelinzima Themba, 1026 Lebanon Street, Winterveld, MABOPANE 0198, Gauteng, SOUTH AFRICA, South Africa ~72: FAKU, Zwelinzima Themba~

2024/07412 ~ Complete ~54:A METHOD FOR PREPARING AN ASPHALT MIXTURE BY HARMLESSLY APPLYING ALUMINUM ELECTROLYSIS WASTE REFRACTORY MATERIAL ~71:Guangxi Shangheng Expressway Co., Ltd., 4th Floor, High-speed Railway Headquarters Base, Litang Town, Binyang County, Nanning City, Guangxi Zhuang Autonomous Region, 530409, People's Republic of China ~72: Fanhua ZENG;Fubing TAN;Haiyi LU;Liang HE;Ronglong HE;Xingming LIN~

2024/07416 ~ Complete ~54:METHOD AND APPARATUS FOR IMPROVING QUALITY AND EFFICIENCY OF SOIL AND WATER CONSERVATION FOREST-GRASS PROJECT IN HILLY AND GULLY REGION, DEVICE AND MEDIUM ~71:Ministry of Water Resources Pastoral Water Conservancy Science Institute, No.16 Daxue East Road, Saihan District, Hohhot, Inner Mongolia Autonomous Region, 010000, People's Republic of China;Ordos Afforestation Zongchang, Xinyuan Street, Shulinzhao Town, Dalad Banner, Ordos City, Inner Mongolia Autonomous Region, 014300, People's Republic of China ~72: GUO, Jianying;HAN, Shengli;LIU, Jing;LIU, Xinyu;LIU, Yanping;LV, Guanglin;MIAO, Henglu;SHEN, Hongxia;TAO, Li;YANG, Rui;YANG, Zhenqi;YAO, Zhenyu;ZHANG, Tiegang;ZHAO, Tianqi;ZHENG, Ying;ZHOU, Xu~

2024/07425 ~ Complete ~54:SYSTEM FOR MARKET VALUE ASSESSMENT OF MINERAL DEPOSITS CONSIDERING PRODUCT QUALITY AND RESOURCE EFFICIENCY ~71:ABBAS, Nadezda, Street: Pedro de Valdivia #2319, Santiago, 7500000, Chile;SHAMAEVA, Ekaterina F., Moskovskaya obl., Dubna_ Universitetskaya 22. 5, 141980, Russian Federation;Universidad Bernardo O'Higgins, Viel Av.# 1497, Santiago, 8370993, Chile ~72: ABBAS, Nadezda;SHAMAEVA, Ekaterina F.~

2024/07439 ~ Complete ~54:AN AI-DRIVEN HEALTH RECOMMENDATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: CHAVHAN, Pranali G.;MAHALLE, Parikshit N.;PATIL, Ritesh V.~

2024/07443 ~ Complete ~54:AN AI BASED PENALTY SYSTEM FOR TRAFFIC RULES VIOLATION ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMBHORE, Vishal;CHAVAN, Rohini;DESHPANDE, Chaitanya;KELKAR, Shreeyash;NALADKAR, Aditya;NATU, Abhishek~

2024/07454 ~ Complete ~54:CONVEYOR BELT CLEANER SCRAPER BLADE MOUNT ~71:FLEXIBLE STEEL LACING COMPANY, 2525 Wisconsin Avenue, United States of America ~72: DEVRIES, Brett E.;TOMANDL, Mark~ 33:US ~31:63/326,691 ~32:01/04/2022

2024/07460 ~ Complete ~54:ORAL CARE PRODUCT ~71:RESTITUTA CASTELLACCIO, Via Trento, 34, 21047, Saronno, Italy ~72: RESTITUTA CASTELLACCIO~ 33:IT ~31:102022000003869 ~32:02/03/2022

2024/07470 ~ Complete ~54:SELECTIVE G PROTEIN-COUPLED RECEPTOR KINASE 5 INHIBITORS, COMPOSITIONS, AND METHODS OF USE ~71:Purdue Research Foundation, 101 Foundry Drive, Suite 2500, WEST LAFAYETTE 47906, IN, USA, United States of America ~72: GHOSH, Arun K.;MANDA, Rajesh;SONAWANE, Amol;TESMER, John~ 33:US ~31:63/315,118 ~32:01/03/2022

2024/07403 ~ Provisional ~54:MAGNESIUM CARBONATE ICE NUCLEATING AGENT ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: AKBARI, Mahmood;ALIGHOLAMI, Meisam;MAAZA, Malek;MORAD, Razieh;SHAFIEI, Shiva Khosroshahi~

2024/07447 ~ Complete ~54:POSTPARTUM PELVIC FLOOR MUSCLE CONTRACTION REHABILITATION TRAINING DEVICE ~71:THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), 63 Duobao Road, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Chun YANG;Huanfang ZHANG;Shuai YANG;Xiaohong MING~

2024/07459 ~ Complete ~54:SYSTEM AND PROCESS FOR PREHEATING RAW MATERIAL IN THE PRODUCTION OF FERROCHROME PRODUCTS ~71:SAMANCOR CHROME LIMITED, 1st Floor, Block A, Cullinan Place, Cullinan Close (off Rivonia Road), Morningside, Sandton, 2196, South Africa ~72: BENJAMIN THOMAS DU PLESSIS;DONALD BRUCE GRANT~ 33:ZA ~31:2022/02936 ~32:11/03/2022

2024/07461 ~ Complete ~54:ANGIOTENSINOGEN-MODULATING COMPOSITIONS AND METHODS OF USE THEREOF ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive, Suite 200, San Diego, California, 92121, United States of America ~72: KIMBERLY FULTZ;RUI ZHU;ZHEN LI~ 33:US ~31:63/326,733 ~32:01/04/2022;33:US ~31:63/407,071 ~32:15/09/2022

2024/07466 ~ Complete ~54:INTER PREDICTION CODING FOR GEOMETRY POINT CLOUD COMPRESSION ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: KARCZEWICZ, Marta;PHAM VAN, Luong;RAMASUBRAMONIAN, Adarsh Krishnan;VAN DER AUWERA, Geert~ 33:US ~31:63/363,306 ~32:20/04/2022;33:US ~31:63/363,552 ~32:25/04/2022;33:US ~31:18/303,390 ~32:19/04/2023

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2024/07478 ~ Provisional ~54:ENERGY DRINK FORMULATION ~71:ARMITAGE, Greg Stewart, 10 Orchid Valley, Brackenridge, South Africa ~72: ARMITAGE, Greg Stewart~

2024/07480 ~ Provisional ~54:FINANCIAL INSTRUMENT FOR DIAMOND INVESTING ~71:BAYLIS, Dudley Edward, Plot 112, Mnandi Road, Diepsloot Agricultural Holdings, South Africa ~72: BAYLIS, Dudley Edward~

2024/07489 ~ Complete ~54:METHOD FOR TESTING OF SAMPLE DAY MILK FOR PATHOGENS ~71:ACUMEN DETECTION, LLC, 727 E. Washington Street, #501 Syracuse, United States of America ~72: CARTER, Meghan, F.;SALTMAN, Roger;STORMON, Charles, D.~ 33:US ~31:63/316,537 ~32:04/03/2022

2024/07493 ~ Complete ~54:SKIN CARE COMPOSITIONS COMPRISING VITAMIN E AND VITAMIN B3 ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BOYD, Thomas;COHEN, Aaron;GOSWAMI, Sayantani;NAMKOONG, Jin;WU, Qiang~ 33:US ~31:63/328,857 ~32:08/04/2022;33:US ~31:63/432,356 ~32:13/12/2022;33:US ~31:63/432,358 ~32:13/12/2022

2024/07494 ~ Complete ~54:SKIN CARE COMPOSITIONS COMPRISING VITAMIN E AND VITAMIN B3 ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BOYD, Thomas;COHEN, Aaron;GOSWAMI, Sayantani;NAMKOONG, Jin;WU, Qiang~ 33:US ~31:63/328,857 ~32:08/04/2022;33:US ~31:63/432,356 ~32:13/12/2022;33:US ~31:63/432,358 ~32:13/12/2022

2024/07497 ~ Complete ~54:STUD INSTALLATION ~71:Weir Minerals Netherlands B.V., Egtenrayseweg 9, Netherlands ~72: ARTZ, Sander;GEUTJES, Dennis;STEIJN, Bram~ 33:GB ~31:2205609.7 ~32:14/04/2022

2024/07481 ~ Complete ~54:AN IOT-BASED PERSONALISED DIET AND CYCLE TRACKING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, India ~72: BHAGWAT, Suvarna;BORSE, Jayendra;CHOUBEY, Rahul;JOKARE, Manaswi;MAHALLE, Parikshit;MAID, Ananya~

2024/07488 ~ Complete ~54:MAGNETIC HANDPIECE FOR AN ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID HANDPIECE ~71:ENDOSTART S.R.L., VIA DELLE REGIONI, 265, Italy ~72: LAZZERI, Denise;MASIELLO, Fabiana;MONDELLO, Giorgia;TOZZI, Alessandro;TUCI, Tommaso~ 33:IT ~31:102022000007475 ~32:14/04/2022

2024/07499 ~ Provisional ~54:MEDICAL DEVICE WITH PLASTER-HOLDERS, MOUNTING - STAND AND METHOD FOR AUTOMATED IV-CATHETER INSERTION ~71:SA-AYDIEN ALLY, 162 FIFTH AVENUE, DISCOVERY EXT 9, GAUTENG, South Africa ~72: SA-AYDIEN ALLY ~

2024/07476 ~ Provisional ~54:GENERATOR ~71:Theunis Booysen, 62 Coleridge Road, South Africa ~72: Theunis Booysen~

2024/07483 ~ Complete ~54:SYSTEM AND METHOD FOR PUBLIC POLICY LEGITIMACY EVALUATION THROUGH MULTI-VARIABLE ANALYSIS ~71:CARRIER, Alain, Street: Av. Manuel Montt #1739, Apartment: 34 B, Providencia, 7500000, Chile;MUÑOZ, Juan, Street: Av. Los Creadores, #0439, Apartment: D31, Temuco, 4780000, Chile;Universidad Bernardo O'Higgins, Street: Av. Viel # 1497, Santiago, 8370993, Chile ~72: CARRIER, Alain;MUÑOZ, Juan~

2024/07491 ~ Complete ~54:MISTING DEVICES ~71:PENNY, Hilton Lesley, 328 Alpine Way, Lynnwood, South Africa ~72: PENNY, Hilton Lesley~ 33:ZA ~31:2022/02592 ~32:03/03/2022

2024/07495 ~ Complete ~54:SYSTEM AND METHOD FOR CONTROLLING OR REMOVING HARD DEPOSITS ON ELECTROWINNING CATHODES ~71:FLSmidth A/S, 77 Vigerslev Alle, VALBY DK-2500, DENMARK, Denmark ~72: BURTON , Wilford;DE GRAAF , Kenneth;EYZAGUIRRE, Carlos;LEFLER, Mike;NGUYEN SORENSON, Anh;WELDON, Todd~ 33:US ~31:63/320,359 ~32:16/03/2022

2024/07479 ~ Provisional ~54:A SPLIT SET FASTENING AND INDICATOR MECHANISM ~71:HOLFELD, Barry Graeme, 1207 Schooner Avenue, Laser Park, Ext. 9, Roodepoort, South Africa ~72: HOLFELD, Barry Graeme;SWANEPOEL, Shaun~

2024/07492 ~ Complete ~54:COMPOSITIONS CONTAINING CHROMIUM ~71:ERASMUS, Rhynhardt, Erf 178, South Africa ~72: ERASMUS, Rhynhardt~ 33:ZA ~31:2022/03639 ~32:30/03/2022;33:ZA ~31:2022/08428 ~32:28/07/2022

2024/07496 ~ Complete ~54:MULTI-COMPONENT BIOMATERIAL ~71:PACT Earth Ltd, Unit 18-21 Evolution Business Park, Milton Road, IMPINGTON CB24 9NG, CAMBRIDGE, UNITED KINGDOM, United Kingdom ~72: BOYD-MOSS, Mitchell;DING, Yudi;YANG, Manni~ 33:GB ~31:2205490.2 ~32:13/04/2022

2024/07498 ~ Complete ~54:RXR AGONIST SALT FORMS, POLYMORPHS THEREOF, AND USES THEREOF ~71:IO THERAPEUTICS, INC., 9450 Pinecroft Dr., Unit 9497, Spring, Texas, 77387, United States of America ~72: KUANG, Shanming;SANDERS, Martin E.;SHAH, Harsh Shailesh;VULIGONDA, Vidyasagar~ 33:US ~31:63/320,159 ~32:15/03/2022

2024/07487 ~ Complete ~54:ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID GUIDE ~71:ENDOSTART S.R.L., VIA DELLE REGIONI, 265, Italy ~72: ALBINO, Martin;LAZZERI, Denise;MASIELLO, Fabiana;MONDELLO, Giorgia;PETRECCA, Michele;SANGREGORIO, Claudio;TOZZI, Alessandro;TUCI, Tommaso~ 33:IT ~31:102022000007448 ~32:14/04/2022

2024/07477 ~ Provisional ~54:SYSTEM FOR NAVIGATION OF AN ENDOVASCULAR DEVICE USING ELECTROMAGNETIC TOMOGRAPHY ~71:FLATSCHER, Michael, Bossigasse 62/2, Austria ~72: FLATSCHER, Michael;WANZENBÖCK, Heinz~

2024/07482 ~ Complete ~54:A MOBILE COMMUNICATION DEVICE INTEGRATED WITH SOLAR PANELS AND SOLAR CONTROL GLASS ~71:AGARWAL, Sohit, ASSOCIATE PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, SURESH GYAN VIHAR UNIVERSITY, GYAN VIHAR MARG, JAGATPURA, JAIPUR, RAJASTHAN, 302017, India;DESAI, Karishma, ASSOCIATE PROFESSOR AND ASSOCIATE PROGRAM DIRECTOR, ATLAS SKILLTECH UNIVERSITY, EQUINOX BUSINESS PARK, AMBEDKAR NAGAR, KURLA WEST, KURLA, MUMBAI, MAHARASHTRA, 400070, India;JAYAKRISHNAN, Kalpana Venugopal, PROFESSOR & PROGRAM DIRECTOR, AIMS SCHOOL OF BUSINESS, AIMS INSTITUTES,1ST CROSS RD, PEENYA 1ST STAGE, NETAJI NAGAR, PEENYA, BENGALURU, KARNATAKA, 560058, India;JENA, Soumya Ranjan, ASSISTANT PROFESSOR, SCHOOL OF COMPUTING AND ARTIFICIAL INTELLIGENCE, NIMS UNIVERSITY, JAIPUR, RAJASTHAN, 303121, India;LOONKAR, Shweta, ASSISTANT PROFESSOR, ATLAS SKILLTECH UNIVERSITY, EQUINOX BUSINESS PARK, AMBEDKAR NAGAR, KURLA WEST, KURLA, MUMBAI, MAHARASHTRA, 400070, India;MOHANACHANDRAN, Dileep Kumar, VICE CHANCELLOR & PROFESSOR, HENSARD UNIVERSITY, NO. 1 NANAYE DICKSON ROAD, TORU-ORUA, SAGBAMA LGA, BAYELSA STATE, P.O. BOX-1036., Nigeria ~72: AGARWAL, Sohit;DESAI, Karishma;JAYAKRISHNAN, Kalpana Venugopal;JENA, Soumya Ranjan;LOONKAR, Shweta;MOHANACHANDRAN, Dileep Kumar~

2024/07490 ~ Complete ~54:LOCATOR FOR SURVEY APPARATUS ~71:IMDEX TECHNOLOGIES PTY LIMITED, 216 Balcatta Road, Western Australia, Australia ~72: PELL, Christopher;SCHICKER, Owen~ 33:AU ~31:2022900838 ~32:31/03/2022

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2024/07502 ~ Provisional ~54:A SYSTEM AND METHOD FOR NEUROPHYSIOLOGICALLY PERSONALISED MEDITATION GUIDANCE USING EEG/EOG FEEDBACK AND AI-GENERATED MANTRAS ~71:KABELO DIALE, 7 COMET STREET, South Africa;KABELO DIALE, 7 COMET STREET, South Africa ~72: KABELO DIALE~

2024/07509 ~ Complete ~54:METHODS AND APPARATUS FOR RADIOGRAPHIC SOURCE EXPOSURE ~71:QSA Global Inc., 40 North Avenue, BURLINGTON 01803, MA, USA, United States of America ~72: BENSON, Paul;LAPINSKAS, Joseph Ryan;WOOD, David~ 33:US ~31:63/327,544 ~32:05/04/2022;33:US ~31:18/295,626 ~32:04/04/2023

2024/07514 ~ Complete ~54:WOUND TREATMENT COMPOSITION ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo, 1018535, Japan ~72: DAISUKE YAMASHITA;HIDETAKA HIYAMA;KENGO MATSUMOTO;NAOYA ARICHIKA;TAKAKO NAKASHIMA;TAKAKUNI MATSUDA~ 33:JP ~31:2022-049233 ~32:25/03/2022

2024/07513 ~ Complete ~54:COMPOUNDS THAT INTERACT WITH RAS SUPERFAMILY PROTEINS FOR TREATMENT OF CANCERS, INFLAMMATORY DISEASES, RASOPATHIES, AND FIBROTIC DISEASE ~71:SHY THERAPEUTICS LLC, 34 Bates Road, Harrison, New York, 10528, United States of America ~72: CAROLINA BIGARELLA;CHARLES H REYNOLDS;LUCA CARTA;MICHAEL SCHMERTZLER;REBECCA HUTCHESON;SUFANG ZHANG;THERESA M WILLIAMS;YARON R HADARI~ 33:US ~31:63/329,141 ~32:08/04/2022;33:US ~31:63/384,905 ~32:23/11/2022

2024/07505 ~ Complete ~54:A METHOD OF JOINING TPE TUBES ~71:WATSON-MARLOW LIMITED, Falmouth, United Kingdom ~72: HOOD, Daniel;WHITE, Nicholas~ 33:GB ~31:2203607.3 ~32:15/03/2022

2024/07508 ~ Complete ~54:CHO CONFIGURATION FOR FAST OFFLOADING DURING CELL SHUTDOWN ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LASELVA, Daniela;PANTELIDOU, Anna~ 33:US ~31:63/318,464 ~32:10/03/2022

2024/07512 ~ Complete ~54:CLOSED CELL SEPARATION OPERATION APPARATUS ~71:DUOGENIC STEMCELLS CORPORATION, NO. 18, LN. 10, TAIPING 21ST ST., TAIPING DIST.,, People's Republic of China ~72: HSIEH, Chia Ying;SHEN, Ching I;SU, Hong Lin;WANG, Fu Hui~

2024/07504 ~ Complete ~54:SYSTEM AND METHOD FOR ACTIVE HYPERSPECTRAL IMAGING WITH SUPERCONTINUUM LIGHT ~71:CGG SERVICES SAS, 27, Avenue Carnot, 91300, Massy, France ~72: ALFRED BAINES;ANDRIES ELIZA JOHANNES BOTHA;BRUNO VIRGILIO PORTELA;CHRISTOPH ANDREAS HECKER;HARALD MICHAEL ARNOUT VAN DER WERFF;JOE FLETCHER~ 33:US ~31:63/672,736 ~32:18/07/2024

2024/07506 ~ Complete ~54:METHOD FOR ROOM TEMPERATURE DEPOLYMERIZATION OF TEREPHTHALIC POLYESTERS TO TEREPHTHALATE ESTERS ~71:RECYC'ELIT, 41 BOULEVARD MARCEL SEMBAT, 69200 VENISSIEUX, FRANCE, France ~72: EL MAHDI, Ayoub;FOURDIN, Théo;MEDIMAGH, Raouf~ 33:FR ~31:FR2203148 ~32:06/04/2022;33:FR ~31:FR2300523 ~32:19/01/2023

2024/07507 ~ Complete ~54:CASTING LACQUER FOR SCREEN PRINTING ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany;DE LA RUE INTERNATIONAL LIMITED, DE LA RUE HOUSE, BASINGSTOKE, HAMPSHIRE RG22 4BS, UNITED KINGDOM, United Kingdom ~72: ELLIS, David;GODFREY, John;MESNAGE, Alice;RICHERT, Michelle;RUIZ GOMEZ, Gloria~ 33:EP ~31:22161349.0 ~32:10/03/2022

2024/07503 ~ Complete ~54:METHODS FOR TREATING AND/OR PREVENTING GRAFT-VERSUS-HOST DISEASE AND/OR DIFFUSE ALVEOLAR HEMORRHAGE AND/OR VENO-OCCLUSIVE DISEASE ASSOCIATED WITH HEMATOPOIETIC STEM CELL TRANSPLANT ~71:Omeros Corporation, 201 Elliott Avenue West, Seattle, WA 98119, USA, United States of America;University of Leicester, University Road, LEICESTER LEI 7RH, UNITED KINGDOM, United Kingdom ~72: DEMOPULOS, Gregory A.;DUDLER, Thomas;SCHWAEBLE, Hans-Wilhelm~ 33:US ~31:62/545,864 ~32:15/08/2017;33:US ~31:62/574,690 ~32:19/10/2017;33:US ~31:62/630,756 ~32:14/02/2018;33:US ~31:62/637,281 ~32:01/03/2018

2024/07501 ~ Provisional ~54:QR CODE APPLICATION AND/OR DEVICE ~71:HAASBROEK, Rudie Wentzel, Mantevrede 29 A/H, Friedmanstreet, VANDERBIJLPARK 1911, Gauteng, SOUTH AFRICA, South Africa ~72: HAASBROEK, Rudie Wentzel~

2024/07510 ~ Complete ~54:MASP-2 AND MASP-3 INHIBITORS, AND RELATED COMPOSITIONS AND METHODS, FOR TREATMENT OF SICKLE CELL DISEASE ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America;Regents of the University of Minnesota, 600 McNamara Alumni Center, 200 Oak Street SE, MINNEAPOLIS 55455-2020 , MN, USA, United States of America ~72:

BELCHER, John D.;CUMMINGS, William Jason;DUDLER, Thomas A.;VERCELLOTTI, Gregory M.~ 33:US ~31:63/318,582 ~32:10/03/2022

2024/07516 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING ENGINEERED SMALL NUCLEAR RNA (SNRNA) ~71:LOCANABIO, INC., 3545 John Hopkins Court, Suite 200, San Diego, California, 92121, United States of America ~72: DANIEL A KNOWLAND;DANIELA ROTH;RACHEL A ADAMS;RANJAN BATRA;REA LARDELLI MARKMILLER~ 33:US ~31:63/316,659 ~32:04/03/2022;33:US ~31:63/379,983 ~32:18/10/2022

2024/07511 ~ Complete ~54:COMMUNICATION 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: CHENG, Bo;CHENG, Xingqing;SUN, Defu;WANG, Jian~ 33:CN ~31:202210211057.0 ~32:04/03/2022

2024/07515 ~ Complete ~54:BI-FUNCTIONAL MOLECULES TO DEGRADE CIRCULATING PROTEINS ~71:YALE UNIVERSITY, Two Whitney Avenue, New Haven, Connecticut, 06510, United States of America ~72: DAVID CAIANIELLO;DAVID SPIEGEL~ 33:US ~31:17/695,259 ~32:15/03/2022

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2024/07518 ~ Provisional ~54:REMOTE LOUDSPEAKER ALERT ~71:MOODLEY, Vanessa Audrey, No. 60 The Biscays, 27 French Lane, South Africa ~72: MOODLEY, Vanessa Audrey~

2024/07523 ~ Complete ~54:USE OF ISATUXIMAB IN COMBINATION WITH OTHER AGENTS FOR THE TREATMENT OF MULTIPLE MYELOMA ~71:SANOFI-AVENTIS U.S. LLC, 55 Corporate Drive, Bridgewater, United States of America ~72: CHIRON BLONDEL, Marielle;DESJONQUERES, Alexandre;KLIPPEL, Zandra Karina;MELONI, Marco;VIRONE-ODDOS, Angela~ 33:US ~31:63/317,253 ~32:07/03/2022

2024/07526 ~ Complete ~54:STABLE IONIC XANTHAT COMPOSITIONS IN AQUEOUS SOLUTION ~71:OXIQUIM S.A., Avenida Santa Mariá 2050 Providencia,, Chile ~72: HERRERA, Marcos Antonio Morales~ 33:CL ~31:202200850 ~32:04/04/2022

2024/07532 ~ Complete ~54:WEAR PROTECTION COMPONENT WITH LOCAL STRESS RELIEF AREAS ~71:Metso Finland Oy, Rauhalanpuisto 9, ESPOO 02230, FINLAND, Finland ~72: TÖRMÄ, Timo Juhani~ 33:EP ~31:22168131.5 ~32:13/04/2022

2024/07536 ~ Complete ~54:DEVICE FOR SHAPING AND/OR SMOOTHING A TAMPON END ~71:RUGGLI AG, Tüftelstrasse 50, 5322 Koblenz, Switzerland ~72: MARCO AUER~ 33:CH ~31:000474/2022 ~32:22/04/2022

2024/07539 ~ Complete ~54:MULTISPECIFIC BINDING PROTEINS THAT BIND DECTIN-1 AND CD20 AND METHODS OF USE THEREOF ~71:DREN BIO, INC., 384 Foster City Blvd., Foster City, California, 94404, United States of America ~72: ANDREW P AH YOUNG-CHAPON;NENAD TOMASEVIC;PANAGIOTIS FOTAKIS;RUO SHI SHI;SRIDHAR VISWANATHAN;XIAODI DENG~ 33:US ~31:63/327,281 ~32:04/04/2022

2024/07545 ~ Complete ~54:DOSING OF MUSCLE TARGETING COMPLEXES FOR TREATING MYOTONIC DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road, Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CLARENCE EDWIN GARNER;CODY A DESJARDINS;CURTIS JOHNSTON;JOHN DAVIS;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;OXANA BESKROVNAYA;ROMESH R SUBRAMANIAN;SCOTT HILDERBRAND;STEFANO ZANOTTI;TIMOTHY WEEDEN;TRACY MCGREGOR;TYLER PICARIELLO~ 33:US ~31:63/331,733 ~32:15/04/2022;33:US ~31:63/368,691 ~32:18/07/2022

2024/07534 ~ Complete ~54:NUCLEIC ACID BASED VACCINE ENCODING AN ESCHERICHIA COLI FIMH ANTIGENIC POLYPEPTIDE ~71:CUREVAC SE, Friedrich-Miescher-Str. 15, Germany ~72: ADAMO, Roberto;GROSSE, Hans Wolfgang;PETSCH, Benjamin;PHOGAT, Sanjay;RAUCH, Susanne;ROIER, Sandro;ROSINI, Roberto~ 33:US ~31:63/345,610 ~32:25/05/2022

2024/07538 ~ Complete ~54:SUBMERSIBLE, HIGH-VOLTAGE ELECTRICAL CONNECTOR ~71:BHE TURBOMACHINERY, LLC, 825 NE Multnomah Blvd, Suite 1800, Portland, OR 97232, United States of America ~72: DREW BLAIS;ERIK KVIETKUS;HENRY K OBERMEYER;JOHN R PETERSEN;SCOTT J DUDEK;TIMOTHY J MAFFEI~ 33:US ~31:63/330,735 ~32:13/04/2022

2024/07541 ~ Complete ~54:COMPOSITE CONDUCTORS INCLUDING RADIATIVE AND/OR HARD COATINGS AND METHODS OF MANUFACTURE THEREOF ~71:TS CONDUCTOR CORP., 15272 Newsboy Circle, Huntington Beach, California, 92649, United States of America ~72: JIANPING HUANG;JIANZHONG JASON HUANG;RULONG CHEN;VIVEK KOHLI~ 33:US ~31:63/324,468 ~32:28/03/2022;33:US ~31:63/353,390 ~32:17/06/2022

2024/07519 ~ Complete ~54:NANOCOMPOSITES OF BRITTLE POLYMERIC MATERIALS ~71:Tshwane University of Technology, Staatsartellerie Road, Pretoria West, PRETORIA 0183, Gauteng, SOUTH AFRICA, South Africa;UNIVERSITY OF JOHANNESBURG, Cnr Kingsway Avenue and University Road, Auckland Park, JOHANNESBURG 2006, SOUTH AFRICA, South Africa ~72: OBOIRIEN, Bilainu;OKPUWHARA, Rita Onohariqho;SADIKU, Emmanuel Rotimi~ 33:ZA ~31:2023/09231 ~32:03/10/2023

2024/07521 ~ Complete ~54:DNA MODIFYING ENZYMES AND ACTIVE FRAGMENTS AND VARIANTS THEREOF AND METHODS OF USE ~71:LIFEEDIT THERAPEUTICS, INC., 507 Airport Boulevard Suite 101 Morrisville, North Carolina, 27560, United States of America ~72: ALEXANDRA BRINER CRAWLEY;TEDD D ELICH;TYSON D BOWEN~ 33:US ~31:63/077,089 ~32:11/09/2020;33:US ~31:63/146,840 ~32:08/02/2021

2024/07529 ~ Complete ~54:RECYCLING OF CATALYST COATED MEMBRANE COMPONENTS ~71:Johnson Matthey Public Limited Company, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: BASRA, Shireen Kaur;MCCREE-GREY, Jonathan;MISTRY, Krishna;SPELLER, Stephen;TURNER JONES, Michael~ 33:GB ~31:2209137.5 ~32:22/06/2022

2024/07524 ~ Complete ~54:SYSTEM AND METHOD FOR DETECTING LAMENESS IN CATTLE ~71:VIKING GENETICS FMBA, Ebeltoftvej 16, Drastrup, Denmark ~72: BORCHERSEN, Søren;LASSEN, Jan~ 33:EP ~31:22164464.4 ~32:25/03/2022

2024/07528 ~ Complete ~54:NOVEL COMPOSITION ~71:Debiopharm International S.A., Forum "après-demain", Chemin Messidor 5-7, LAUSANNE 1006, SWITZERLAND, Switzerland ~72: BELLON, Anne;FAJAS DESCAMPS, Laurence;PLAGÈS, Benoît;TOUZET, Antoine~ 33:EP ~31:22166467.5 ~32:04/04/2022;33:EP ~31:22194434.1 ~32:07/09/2022

2024/07531 ~ Complete ~54:MAIZE POLLEN STORAGE AND CARRIERS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: CARTER, Jared;DINWIDDIE, Jay Austin;POLGE, Nicholas D.~ 33:US ~31:63/346,066 ~32:26/05/2022

2024/07540 ~ Complete ~54:ANTI-DECTIN-1 ANTIBODIES AND METHODS OF USE THEREOF ~71:DREN BIO, INC., 384 Foster City Blvd., Foster City, California, 94404, United States of America ~72: ANDREW P AH YOUNG-CHAPON;MEAGHAN HAPPER;NENAD TOMASEVIC;XIAODI DENG~ 33:US ~31:63/327,288 ~32:04/04/2022

2024/07544 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING MYOTONIC DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road, Waltham, Massachusetts, 02451, United States of America ~72: BENJAMIN VIEIRA;BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;STEFANO ZANOTTI;TIMOTHY WEEDEN~ 33:US ~31:63/331,716 ~32:15/04/2022

2024/07517 ~ Provisional ~54:BLOCKCHAIN-BASED DIGITAL FIDUCIARY, WILLS, TRUST AND ESTATE MANAGEMENT SYSTEM USING XRP AND RIPPLE LEDGER FOR AUTOMATED WILL CREATION, BENEFICIARY MANAGEMENT, AND EXECUTOR AND ESTATE ADMINISTRATION WITH INTEGRATED VERIFIED NODES AND NOTIFICATION SERVICES ~71:Bits & Algorithm, Lookout Hill on the corner of Mew Way and Spine Road, Ilitha Park, South Africa ~72: Aldo Damon~

2024/07527 ~ Complete ~54:MONITORING SYSTEM FOR CONVEYOR BELT ANCILLARY DEVICES ~71:FLEXIBLE STEEL LACING COMPANY, 2525 Wisconsin Avenue, United States of America ~72: DEVRIES, Brett E.;MOELKER, David Adrian~ 33:US ~31:63/327,667 ~32:05/04/2022

2024/07533 ~ Complete ~54:SIGLEC-8 BINDING PROTEINS AND USES THEREOF ~71:INHIBRX BIOSCIENCES, INC., 11025 N. Torrey Pines Road, Suite 140, United States of America;PHYLAXIS BIOSCIENCE, LLC, 100 Fillmore Street, #500 Denver, United States of America ~72: BECKLUND, Bryan;ECKELMAN, Brendan P.;ECKLES, Andrew M.;GANO, Jacob J.;YAO, Tony Dung-Ling~ 33:US ~31:63/333,952 ~32:22/04/2022

2024/07535 ~ Complete ~54:DRILL BIT ASSEMBLY FOR REVERSE CIRCULATION HAMMER ~71:MINCON INTERNATIONAL LIMITED, Smithstown Industrial Estate, Shannon, V14 N993, Ireland ~72: CARL BLUNDELL~ 33:IE ~31:S2022/0068 ~32:14/04/2022

2024/07543 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND FORMULATIONS FOR TREATING MYOTONIC DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road, Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;SCOTT HILDERBRAND;STEFANO ZANOTTI;TIMOTHY WEEDEN~ 33:US ~31:63/331,727 ~32:15/04/2022

2024/07520 ~ Complete ~54:PREPARATION OF PSILOCYBIN, DIFFERENT POLYMORPHIC FORMS, INTERMEDIATES, FORMULATIONS AND THEIR USE ~71:Compass Pathfinder Limited, 3rd Floor, 1 Ashley Road, ALTRINCHAM WA14 2DT, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: BROWN, Christopher;LONDESBROUGH, Derek John;MOORE, Gillian;NICHOLS, David;NORTHEN, Julian Scott;PATIL, Hemant~ 33:GB ~31:1716505.1 ~32:09/10/2017;33:GB ~31:1810588.2 ~32:28/06/2018;33:GB ~31:1816438.4 ~32:09/10/2018

2024/07525 ~ Complete ~54:PURIFICATION OF MNSO4 SOLUTIONS ~71:INNOVATIVE MANGANESE TECHNOLOGIES SA (PTY) LTD., 97 Broadbury Circle, Cornwall Hill Estate, CORNWALL HILL, 0178, Gauteng Province, SOUTH AFRICA, South Africa ~72: PRETORIUS, Gerard~ 33:ZA ~31:2022/03168 ~32:17/03/2022

2024/07530 ~ Complete ~54:PAPERBOARD PROTECTIVE CORNER AND METHOD FOR MANUFACTURING THE SAME ~71:D'ANGLADE, Pierre-Michel, 3445, Ave. Ridgewood, App. 500, Montréal, QUÉBEC H3V 1B7, CANADA, Canada ~72: D'ANGLADE, Pierre-Michel~ 33:US ~31:63/365,220 ~32:24/05/2022

2024/07537 ~ Complete ~54:PORTABLE VOLTAGE DETECTOR AND SYSTEM FOR WARNING OF VOLTAGE HAZARDS ~71:DEHN SE, Hans-Dehn-Strasse 1, 92318, Neumarkt i.d.OPf., Germany ~72: ANDREAS WAIGEL;MICHAEL STEHLE~ 33:DE ~31:10 2022 105 066.1 ~32:03/03/2022

2024/07542 ~ Complete ~54:FORMULATIONS COMPRISING MELPHALAN FLUFENAMIDE AND CYCLODEXTRIN ~71:ONCOPEPTIDES INNOVATION AB, Luntmakargatan 46, 111 37, Stockholm, Sweden ~72: FREDRIK LEHMANN;KRISTIN HAMMER;PETER TEODOROVIC;RUNE RINGOM~ 33:GB ~31:2204171.9 ~32:24/03/2022

2024/07546 ~ Complete ~54:FUNGICIDE COMPOSITION ~71:UPL CORPORATION LIMITED, 6th Floor, Suite 157B Harbor Front Building President John Kennedy Street, Mauritius;UPL EUROPE LTD, The Centre, 1st Floor Birchwood Park Warrington Cheshire WA3 6YN, United Kingdom ~72: FERRIER, Frederic;PILLOT, Marc;PIROTTE, Alan~ 33:EP ~31:22305248.1 ~32:04/03/2022

2024/07522 ~ Complete ~54:METHOD FOR GENERATING A REQUEST TO A DATABASE ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127897 ~32:21/09/2024

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2024/07571 ~ Complete ~54:COOKER OPERATED BY ELECTRIC HEATING AND GAS BURNER ~71:Richard Douglas Chadwick, No 5, 2098,, Way 2242, Qurum, Muscat, 134, Oman ~72: Richard Douglas Chadwick~ 33:ZA ~31:2022/03906 ~32:06/04/2022;33:ZA ~31:2022/12882 ~32:28/11/2022

2024/07572 ~ Complete ~54:PHYSICAL QUANTITY MEASUREMENT SYSTEM AND/OR FOR POSITION MEASUREMENT WITH BISTABLE MAGNETIC WIRE, METHOD OF MEASUREMENT ~71:RVMAGNETICS, A.S., Němcovej 30 042 18, Slovakia ~72: VARGA, Rastislav~ 33:EP ~31:22166892.4 ~32:06/04/2022

2024/07547 ~ Provisional ~54:A MOTOR HOUSING, AND AN ELECTRIC MOTOR INCLUDING SAME ~71:ROBERT CHARLES GRADIDGE, 12 Kleim Street, Carletonville, 2499, South Africa ~72: ROBERT CHARLES GRADIDGE~

2024/07551 ~ Complete ~54:METHOD OF TREATING DUCHENNE MUSCULAR DYSTROPHY ~71:BIOMARIN PHARMACEUTICAL INC., 105 Digital Drive, Novato, California, 94949, United States of America ~72: CHARLES A O'NEILL;DAVID REID JACOBY;DAVID RILEY NEIL;SHRIPAD S BHAGWAT~ 33:US ~31:63/364,260 ~32:05/05/2022;33:US ~31:63/387,733 ~32:16/12/2022

2024/07553 ~ Complete ~54:HIGHLY MOBILE, COST-EFFICIENT, INTEGRATED, LOW ENVIRONMENTAL DISTURBANCE EQUIPMENT SYSTEM AND METHOD FOR SURFACE MINERAL EXPLORATION DIAMOND CORE DRILLING ~71:EARTH AI INC., 400 Concar Dr., San Mateo, California, 94402, United States of America ~72: ROMAN TESLYUK~ 33:US ~31:63/328,117 ~32:06/04/2022

2024/07558 ~ Complete ~54:N-(PYRROLIDIN-3-YL OR PIPERIDIN-4-YL)ACETAMIDE DERIVATIVES ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0045, Japan ~72: ANDRE KIRYANOV;FENG ZHOU;KRISTIN SCHLEICHER;MARIA HOPKINS;MINGNAM TANG;SCOTT OLSEN;ZACHARIA CHERUVALLATH~ 33:US ~31:63/325,452 ~32:30/03/2022

2024/07570 ~ Complete ~54:COMBINED GENE AND RADIO THERAPY FOR THE TREATMENT OF CANCER ~71:Fundación para la Investigación Médica Aplicada, Avenida Pío XII, número 55 31008, PAMPLONA (NAVARRA) 31008, SPAIN, Spain ~72: GOULD, David James;HONORATO CÍA, Beatriz;MARCO MARTÍNEZ, Sonia;PRIETO VALTUEÑA, Jesús María;TENESACA CAYAMBE, Shirley Mireya~ 33:EP ~31:22382209.9 ~32:07/03/2022

2024/07549 ~ Complete ~54:A METHOD OF MANUFACTURING A STATOR FOR A SLOTLESS ELECTRIC MOTOR ~71:ETA Green Power Limited, Hethel Engineering Centre, Chapman Way, HETHEL NR14 8FB,

UNITED KINGDOM, United Kingdom ~72: BOWMAN, Liam;COLLINGS, Henry~ 33:GB ~31:2200661.3 ~32:19/01/2022

2024/07557 ~ Complete ~54:BIODEGRADABLE LIVING HINGE ~71:DANIMER IPCO, LLC, 140 Industrial Boulevard, Bainbridge, Georgia, 39817, United States of America ~72: ADAM JOHNSON;RUSSELL MULLINS;RYAN MULLINS;SCOTT KAMANN~ 33:US ~31:63/324,396 ~32:28/03/2022

2024/07561 ~ Complete ~54:A COMPUTER SOFTWARE MODULE ARRANGEMENT, A CIRCUITRY ARRANGEMENT, AN ARRANGEMENT AND A METHOD FOR PROVIDING A VIRTUAL DISPLAY FOR SIMULTANEOUS DISPLAY OF REPRESENTATIONS OF REAL LIFE OBJECTS AT DIFFERENT PHYSICAL LOCATIONS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: BASTANI, Saeed;DAHLGREN, Fredrik;HUNT, Alexander;KRISTENSSON, Andreas;LI, Yun~

2024/07566 ~ Complete ~54:POLYMORPH FORMS OF ATICAPRANT FOR USE IN TREATING MAJOR DEPRESSIVE DISORDER ~71:Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: DREVETS, Wayne C.;FERNANDES, Philippe;GOPAL, Srihari;KEZIC, Iva;LAGISHETTY, Chakradhar;MELKOTE, Rama;PEMBERTON, Darrel;POPOVA, Vanina;SAVITZ, Adam;SCHMIDT, Mark~ 33:US ~31:63/317,475 ~32:07/03/2022

2024/07564 ~ Complete ~54:COMPOSITIONS COMPRISING ATICAPRANT ~71:Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: DREVETS, Wayne C.;GOPAL, MD Srihari;GOYVAERTS, Nicolaas Martha Felix;HUYBRECHTS, Tom;JOKICEVIC, Katarina;KEZIC, Iva;LAGISHETTY, Chakradhar;MARCOS, Laura Martinez;MARCOZZI, Tatiana;MELKOTE, Rama;PEMBERTON, Darrel;POPOVA, Vanina;RAVELINGIEN, Matthieu;SAMTANI, Mahesh N.;SAVITZ, Adam J.;SCHMIDT, Mark;VAN DER AVOORT, Geert~ 33:US ~31:63/317,471 ~32:07/03/2022

2024/07548 ~ Complete ~54:A METHOD OF MANUFACTURING A STATOR FOR A SLOTLESS ELECTRIC MOTOR ~71:ETA Green Power Limited, Hethel Engineering Centre, Chapman Way, HETHEL NR14 8FB, UNITED KINGDOM, United Kingdom ~72: BOWMAN, Liam;COLLINGS, Henry~ 33:GB ~31:2200661.3 ~32:19/01/2022

2024/07556 ~ Complete ~54:TOLERIZING IMMUNE MODIFYING NANOPARTICLES FOR OVERCOMING THE IMMUNOGENICITY OF THERAPEUTIC VECTORS AND PROTEINS ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 8045 Lamon Avenue, Suite 1202, Skokie, Illinois, 60077, United States of America ~72: ADAM ELHOFY;JOHN PUISIS;JOSEPH PODOJIL;MICHAEL BOYNE;TUSHAR MURTHY~ 33:US ~31:63/336,754 ~32:29/04/2022;33:US ~31:63/343,797 ~32:19/05/2022

2024/07552 ~ Complete ~54:CANNABINOID RECEPTOR 1 ANTAGONISTS/INVERSE AGONISTS AND USES THEREOF ~71:CORBUS PHARMACEUTICALS, INC., 500 River Ridge Drive, Norwood, Massachusetts, 02062, United States of America ~72: HONGFENG DENG;MARSHALL MORNINGSTAR;ZHUANG JIN~ 33:US ~31:63/328,611 ~32:07/04/2022;33:US ~31:63/439,645 ~32:18/01/2023

2024/07555 ~ Complete ~54:CHEMOKINE RECEPTOR MODULATORS AND USES THEREOF ~71:RAPT THERAPEUTICS, INC., 561 Eccles Avenue, South San Francisco, California, 94080, United States of America ~72: DAVID J WUSTROW;MIKHAIL ZIBINSKY;OMAR ROBLES;PARCHAREE TIVITMAHAISOON~ 33:US ~31:63/328,214 ~32:06/04/2022

2024/07563 ~ Complete ~54:STABILIZED VITAMIN A AND METHOD OF PRODUCTION ~71:Particles for Humanity, PBC, 44 Oak Ridge Road, WEST LEBANON 03784, NH, USA, United States of America ~72: BRADY, Samantha W.;CHICKERING III, Donald E.;JAOUDE, Elsa Abou;STRAUB, Julie;VALLEJO, Jérôme;WYNS, Julie;YANG, Haisong~ 33:US ~31:63/328,057 ~32:06/04/2022

2024/07565 ~ Complete ~54:PURE FORMS OF CRYSTALLINE ATICAPRANT ~71:Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Rd., TITUSVILLE 08560, NJ, USA, United States of America ~72: DREVETS, Wayne C.;GOPAL, Srihari;KEZIC, Iva;LAGISHETTY, Chakradhar;MELKOTE, Rama;PEMBERTON, Darrel;POPOVA, Vanina;SAVITZ, Adam;SCHMIDT, Mark;SURMONT, Riccardo~ 33:US ~31:63/317,483 ~32:07/03/2022

2024/07567 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING LIVER DISEASES WITH SIRNAS TARGETING GPAM ~71:The Board of Regents of The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: LI, Lin;WANG, Zixi;ZHU, Hao~ 33:US ~31:63/328,593 ~32:07/04/2022;33:US ~31:63/491,262 ~32:20/03/2023

2024/07569 ~ Complete ~54:EXPRESSION SYSTEM FOR THE TREATMENT OF CANCER ~71:Fundación para la Investigación Médica Aplicada, Avenida Pío XII, número 55 31008, PAMPLONA (NAVARRA) 31008, SPAIN, Spain ~72: GOULD, David James;HONORATO CÍA, Beatriz;MARCO MARTÍNEZ, Sonia;PRIETO VALTUEÑA, Jesús María;TENESACA CAYAMBE, Shirley Mireya~ 33:EP ~31:22382208.1 ~32:07/03/2022

2024/07559 ~ Complete ~54:METHOD FOR CONTROLLING A COMPRESSOR INSTALLATION AND COMPRESSOR INSTALLATION ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: GEERT HELLEMANS;THIBAULT CREPAIN~ 33:BE ~31:BE2022/5343 ~32:05/05/2022

2024/07568 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING LIVER DISEASES WITH SIRNAS TARGETING CIDEB ~71:The Board of Regents of The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: LI, Lin;WANG, Zixi;ZHU, Hao~ 33:US ~31:63/328,557 ~32:07/04/2022

2024/07573 ~ Complete ~54:ELECTROKINETIC DISRUPTION GENERATION ~71:HOWARD FRANCIS ALBOROUGH, PO Box 20, South Africa;PAMELA ST CLARE ALBOROUGH, PO Box 20, South Africa ~72: ALBOROUGH, Howard Francis;ALBOROUGH, Pamela St Clare~ 33:ZA ~31:2022/02688 ~32:07/03/2022

2024/07550 ~ Complete ~54:AQUEOUS PHARMACEUTICAL COMPOSITIONS COMPRISING SGLT-2 INHIBITORS ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: DUCH, Thomas, Adam;WEILER, Claudius~ 33:EP ~31:22175413.8 ~32:25/05/2022

2024/07554 ~ Complete ~54:TEMPERATURE-BASED MONITOR AND CONTROL OF A COMPRESSED-GAS DRYER ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: FREDERICO DE LACQUET ROCHA E SILVA~ 33:US ~31:63/333,284 ~32:21/04/2022;33:BE ~31:BE2022/5331 ~32:03/05/2022

2024/07560 ~ Complete ~54:MIXING BEVERAGE CONCENTRATE IN CARTRIDGE ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BAX, Bart Jan;BROUWER, Eric Richard;OTTO, Jeroen Frank;PAAUWE, Arie Maarten~ 33:EP ~31:22168832.8 ~32:19/04/2022

2024/07562 ~ Complete ~54:TRICYCLIC PARP1 INHIBITORS AND USES THEREOF ~71:XINTHERA, INC., c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, United States of America ~72: DONG, QING;HOFFMAN, ROBERT L.;KALDOR, STEPHEN W.;PINCHMAN, JOSEPH ROBERT;VA, PORINO JINJO~ 33:US ~31:63/336,078 ~32:28/04/2022;33:US ~31:63/381,482 ~32:02/10/2022

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2024/07596 ~ Complete ~54:CANCER TREATMENTS USING MTA-COOPERATIVE PRMT5 INHIBITORS ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BELMONTES, Brian;CHAN, Edward Lau Yue;HUGHES, Paul;SLEMMONS, Katherine;SUN, Jan~ 33:US ~31:63/329,010 ~32:08/04/2022;33:US ~31:63/345,736 ~32:25/05/2022

2024/07605 ~ Complete ~54:ALPHA1-ANTITRYPSIN FOR USE IN THE TREATMENT OF DISEASES OR DISORDERS OF THE NERVOUS SYSTEM SUCH AS CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY ~71:AGERONIX SA, c/o ABCYS BUSINESS & CONSULTING Sàrl, Rue du Tir-au-Canon 4, 1227 Carouge GE, Switzerland ~72: NIKOLAY ZHUKOVSKY~ 33:EP ~31:22180584.9 ~32:22/06/2022;33:EP ~31:22202628.8 ~32:19/10/2022;33:EP ~31:23156173.9 ~32:10/02/2023

2024/07589 ~ Complete ~54:URACIL DERIVATIVE HAVING VIRAL GROWTH INHIBITORY ACTIVITY AND PHARMACEUTICAL COMPOSITION CONTAINING SAME ~71:Shionogi & Co., Ltd., 1-8, Doshomachi 3-chome, Chuo-ku, OSAKA-SHI 541-0045, OSAKA, JAPAN, Japan ~72: HIRAI, Keiichiro;KOJIMA, Eiichi;KURAHASHI, Kana;SATO , Jun;SHIBAYAMA, Hiromitsu;UEHARA, Shota;UNOH, Yuto;YONEZAWA, Shuji~ 33:JP ~31:2022-064593 ~32:08/04/2022;33:JP ~31:2022-094627 ~32:10/06/2022;33:JP ~31:2022-207187 ~32:23/12/2022

2024/07590 ~ Complete ~54:ACRYLIC COATING COMPOSITIONS FOR BEVERAGE CAN ENDS, BEVERAGE CANS, AND METHODS ~71:SWIMC LLC, 1100 Midland - Legal Department, 101 W. Prospect Avenue, CLEVELAND 44115, OH, USA, United States of America ~72: ANDRIOT, Matthieu;BRAILLON-GIRARD, Marie;DURANTON, Cyril;GIBANEL, Sébastien;VIOLEAU, Daphné~ 33:US ~31:63/362,707 ~32:08/04/2022

2024/07574 ~ Provisional ~54:A SYSTEM AND METHOD FOR A COMMUNITY ECOSYSTEM INFRASTRUCTURE ~71:PROPCHAIN GROUP (PTY) LTD, 31 Berghshoop Estate Crescent, Sonstraal Heights, South Africa ~72: CARSTENS, Jacobus Everhardus;ROBERTSON, Charles Kenneth~

2024/07581 ~ Complete ~54:A SYSTEM FOR EXTRACTING EMOTIONAL AND PROFANITY FEATURES FROM MOVIE SUBTITLES ~71:Amogh Hemant Anerao, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Atharva B. Malji, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Atharva Chandrashekahr Mestri, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Dr. Vinayak Ashok Bharadi, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Finolex Academy of Management and Technology, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Geetanjali Nilesh Sawant, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India;Yash Nagesh Narvekar, Finolex Academy of Management and Technology, P60, P60-1, MIDC, Ratnagiri District- Ratnagiri State- Maharashtra, 415639, India ~72: Amogh Hemant Anerao;Atharva B. Malji;Atharva Chandrashekahr Mestri;Dr. Vinayak Ashok Bharadi;Geetanjali Nilesh Sawant;Yash Nagesh Narvekar~

2024/07587 ~ Complete ~54:SMART LIQUID DRUG ADMINISTRATION ~71:Janssen Pharmaceuticals, Inc., 1125 TRENTON-HARBOURTON ROAD, TITUSVILLE 08560, NJ, USA, United States of America ~72: MELLINGER, Justin;QUINLAN, John;WALSH, Ryan~ 33:US ~31:63/317,789 ~32:08/03/2022

2024/07592 ~ Complete ~54:ANTIBODIES AGAINST HUMAN SIGLEC-7 AND USE THEREOF FOR IMMUNOTHERAPY ~71:The Wistar Institute of Anatomy and Biology, 3601 Spruce Street, PHILADELPHIA 19104, PA, USA, United States of America ~72: ABDEL-MOHSEN, Mohamed;BORDOLOI, Devivasha;MUTHUMANI, Kar;WEINER, David~ 33:US ~31:63/325,904 ~32:31/03/2022;33:US ~31:63/375,749 ~32:15/09/2022;33:US ~31:63/490,156 ~32:14/03/2023

2024/07598 ~ Complete ~54:A TIMING SYSTEM FOR A WIRELESS COMMUNICATION NETWORK ~71:WIREPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: VILLE JUVEN~ 33:FI ~31:20225303 ~32:07/04/2022

2024/07600 ~ Complete ~54:LEONOTIS LEONURUS EXTRACTS AS A CHEMOPROTECTANT AND POST-CHEMOTHERAPEUTIC AGENT ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, 7600 Stellenbosch, South Africa ~72: BIANKE LOEDOLFF;ETHAN WADE HUNTER;SHAUN WAYNE PETERS~ 33:GB ~31:2206000.8 ~32:25/04/2022

2024/07606 ~ Complete ~54:FUEL PROCESS AND PLANT ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: DAVID MINGUEZ;ESBEN LAUGE SØRENSEN;SUDIP DE SARKAR;THOMAS SANDAHL CHRISTENSEN~ 33:DK ~31:PA202200359 ~32:20/04/2022

2024/07585 ~ Complete ~54:METHOD OF DEPICTING AN IMAGE ON A VEHICLE ~71:BROWN, Michael John Walter, 20 Riverside, South Africa ~72: BROWN, Michael John Walter~ 33:ZA ~31:2022/03847 ~32:05/04/2022

2024/07594 ~ Complete ~54:TRANSGENIC SOYBEAN EVENT GM_CSM63714 AND METHODS FOR DETECTION AND USES THEREOF ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: BROWN, Sarah;ELLIS, Christine M.;KLINGAMAN, Tracy E.;LARUE, Clayton;QI, Qungang;SHAO, Aihua;WEIHE, Janice~ 33:US ~31:63/335,470 ~32:27/04/2022

2024/07602 ~ Complete ~54:SYSTEMS AND METHODS OF INDIVIDUAL ANIMAL IDENTIFICATION ~71:406 BOVINE, INC., 29423 Red Rocks Park Drive, Katy, Texas, 77494, United States of America ~72: BRYAN ELLIOTT;SHREYAS GITE~ 33:US ~31:63/333,812 ~32:22/04/2022

2024/07578 ~ Complete ~54:ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF MICRO-DYSTROPHIN TO TREAT MUSCULAR DYSTROPHY ~71:RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, 700 Children's Drive, Room W 172, Columbus, Ohio, 43205, United States of America ~72: JERRY R MENDELL;LOUISE RODINO-KLAPAC~ 33:US ~31:62/323,163 ~32:15/04/2016;33:US ~31:62/473,253 ~32:17/03/2017

2024/07595 ~ Complete ~54:INTERSPINOUS IMPLANT INSERTION INSTRUMENT WITH WING ACTUATION TOOL ~71:Spinal Simplicity, LLC, 6363 College Boulevard, Suite 320, OVERLAND PARK 66211, KS, USA, United States of America ~72: BARNDS, Annaria;FROCK, Adam;LEE, Jeffrey David;ROGERS, Adam;SLOVER, Jeff;SNELL, Douglas~ 33:US ~31:17/716,822 ~32:08/04/2022;33:US ~31:17/944,107 ~32:13/09/2022

2024/07577 ~ Complete ~54:PORTABLE DECENTRALIZED LOW-PRESSURE MULTIPURPOSE GRAIN SAVER SYSTEM ~71:MANIPAL UNIVERSITY JAIPUR, Jaipur-Ajmer Express Highway, Dehmi Kalan, Near GVK Toll Plaza, Jaipur, Rajasthan, 303007, India ~72: Dhirajprasad Mahato;Dr. Nikhil Vivek Shrivas;Dr. Santosh Kumar Rai;Ritik Kumar~ 33:IN ~31:202411043139 ~32:04/06/2024

2024/07599 ~ Complete ~54:ANTIBODIES THAT SPECIFICALLY BIND TO API5 PROTEIN ~71:NEX-I, INC., A-922,923,924, 9F, A-dong, 201 Songpa-daero, Songpa-gu, Seoul, 05854, Republic of Korea ~72: JEONGMIN RYOO;JINYOUNG SOHN;JUNHO YEOM;KYOUNG WAN YOON;KYUNGJIN BOO;SUJIN KIM~ 33:KR ~31:10-2022-0039982 ~32:30/03/2022

2024/07588 ~ Complete ~54:EPO RECEPTOR AGONISTS AND ANTAGONISTS ~71:ImmunEdge, Inc., 60 Lane Place, ATHERTON 94027, CA, USA, United States of America;The Board of Trustees of the Leland Stanford Junior University, Office of the General Counsel, Building 170, 3rd Floor, Main Quad, P.O. Box 20386, STANFORD 94305, CA, USA, United States of America ~72: CHIU, David Kung-Chun;ENGLEMAN, Edgar G.;YU, Bo;ZHANG, Xiangyue~ 33:US ~31:63/317,943 ~32:08/03/2022

2024/07591 ~ Complete ~54:LEVODOPA TYROSINE POLYMORPHS ~71:NeuroDerm, Ltd., 3 Pekeris Street, Rabin Science Park, REHOVOT 7670212, ISRAEL, Israel ~72: GAZAL, Elana;LAXER, Avital;TALHAMI, Alaa~ 33:US ~31:63/321,202 ~32:18/03/2022

2024/07593 ~ Complete ~54:DR5 AGONIST AND PLK1 INHIBITOR OR CDK INHIBITOR COMBINATION THERAPY ~71:Inhibrx Biosciences, Inc., 11025 N. Torrey Pines Road, Suite 140, LA JOLLA 92037, CA, USA, United States of America ~72: CRAGO, William;ECKELMAN, Brendan P.;WILLIS, Katelyn M.~ 33:US ~31:63/328,951 ~32:08/04/2022

2024/07597 ~ Complete ~54:LENS ASSEMBLY AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: YONGJAE LEE~ 33:KR ~31:10-2022-0065052 ~32:27/05/2022;33:KR ~31:10-2022-0117829 ~32:19/09/2022

2024/07601 ~ Complete ~54:AIR OPERATED DOUBLE DIAPHRAGM PUMP WITH ACCESSIBLE FEATURES ~71:WARREN RUPP, INC., 800 N. Main Street, Mansfield, Ohio, 44902, United States of America ~72: BRENT MORRIS;JIM ROCKWELL;MARK FRYE~ 33:US ~31:63/331,980 ~32:18/04/2022

2024/07604 ~ Complete ~54:ULTRA-HIGH TEMPERATURE PYROLYSIS SEPARATION OF HYDROGEN AND CARBON ~71:OMNIS ADVANCED TECHNOLOGIES, LLC, 130 S. Patterson Ave. #878, Santa Barbara, California, 93111, United States of America ~72: DAVID S GIBBEL;DOUGLAS E GRUNDER;JAMES S SWENSEN;SIMON K HODSON;STEPHEN P GIBBEL~ 33:US ~31:63/320,667 ~32:16/03/2022

2024/07603 ~ Complete ~54:DIAZABICYCLOOCTANE DERIVATIVES USEFUL AS MATRIX METALLOPROTEINASE INHIBITORS ~71:VASA THERAPEUTICS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, Dunska 9/D009, Wroclaw, 54-427, Poland ~72: BENJAMIN ANTHONY PRATT;PIOTR JAKUB LIPINSKI~ 33:PL ~31:P.440789 ~32:29/03/2022;33:US ~31:63/324,713 ~32:29/03/2022

2024/07584 ~ Complete ~54:SYSTEM AND METHOD OF EGG FERTILITY AND GENDER DETECTION ~71:MATRIXSPEC SOLUTIONS INC., 500 Morgan Blvd., Suite 201-202, Canada ~72: LIU, Li;NGADI, Michael~ 33:US ~31:63/319,539 ~32:14/03/2022;33:WO ~31:PCT/CA2023/050329 ~32:14/03/2023

2024/07583 ~ Complete ~54:A COMMUNICATION ASSEMBLY FOR AN ELECTRICAL CONNECTION SYSTEM ~71:CONNEC LIMITED, Unit 11, 300 Cullen Avenue, Australia ~72: TOTH, Dylan;WILLIAMS, Stephen~ 33:AU ~31:2022900762 ~32:25/03/2022

2024/07575 ~ Provisional ~54:DECISION INTELLIGENCE CRIME ANALYSIS SOFTWARE ~71:Ntobeko Zulu, 17 Pine Grove, South Africa ~72: Ntobeko Zulu~

2024/07576 ~ Provisional ~54:COMPOSITE BLAST-RESISTANT WALL ~71:Lethithemba Trading (Pty) Ltd, 14 Arnhem Crescent, Die Heuwel Industrial, EMALAHLENI 0142, SOUTH AFRICA, South Africa ~72: ENGELBRECHT, Jacobus Frederick~

2024/07579 ~ Complete ~54:PHARMACEUTICAL COMBINATIONS FOR THE TREATMENT OF CANCER ~71:PRESAGE BIOSCIENCES, INC., 530 Fairview Avenue North, Suite 1000, Seattle, Washington, 98109, United States of America ~72: JOYOTI DEY;RICHARD KLINGHOFFER~ 33:US ~31:62/314,356 ~32:28/03/2016

2024/07580 ~ Complete ~54:CONVEYOR SEAL APPARATUS ~71:UNIQUE VENTILATION AND SUPPORT SYSTEMS (PROPRIETARY) LIMITED, 1 Resnick Street, Factoria, 1739, South Africa ~72: JAKES VAN DER MERWE~ 33:ZA ~31:2023/06828 ~32:05/07/2023

2024/07582 ~ Complete ~54:METHOD FOR TREATING PLASTIC PYROLYSIS OIL INCLUDING AN H2S RECYCLING STEP ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France;REPSOL S.A., C/ Mendez Alvaro, Spain ~72: BONNARDOT, Jerome;CARRASCO HERNANDEZ, Sheyla;DE SOUSA DUARTE, Marisa;GUENAULT, Loïk;MALDONADO, Floriane;RIBAS SANGUESA, Inigo;SANTOS MARTINEZ, Martin;WEISS, Wilfried~ 33:FR ~31:FR2204107 ~32:29/04/2022

2024/07586 ~ Complete ~54:ENCAPSULATED COMPOSITIONS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: COUREAULT, Marion;DEMBELE-KUNTZMANN, Fatimata~ 33:GB ~31:2203193.4 ~32:08/03/2022

. - APPLIED ON 2024/10/08 -

2024/07627 ~ Complete ~54:REDUCTION OF FILM GRAIN PATTERNS ~71:InterDigital CE Patent Holdings, SAS, 3 rue du Colonel Moll, PARIS 75017, FRANCE, France ~72: DE LAGRANGE, Philippe;FRANCOIS, Edouard;NASER, Karam;URBAN, Fabrice~ 33:EP ~31:22305490.9 ~32:08/04/2022

2024/07629 ~ Complete ~54:COMPOSITIONS AND METHODS FOR UNIVERSAL TUMOR CELL KILLING ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, TARRYTOWN 10591, NY, USA, United States of America ~72: HABER, Lauric;LIN, Chia-Yang;OLSON, Kara;SKOKOS, Dimitris;SMITH, Eric;WEI, Joyce~ 33:US ~31:63/329,762 ~32:11/04/2022;33:US ~31:63/347,330 ~32:31/05/2022

2024/07619 ~ Complete ~54:BOOSTED IMMUNE MONITORING METHODS FOR ASSAYING ANTIGEN-SPECIFIC T CELL RESPONSES ~71:FUNDACIÓ PRIVADA INSTITUT DE RECERCA SOBRE IMMUNOPATOLOGIES-CAIXA IRSICAIXA, Carretera de Canyet s/n Badalona, 08916, Barcelona, Spain;INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS, Passeig Lluís Companys, 23, 08010, Barcelona, Spain ~72: ALEX OLVERA VAN DER STOEP;CHRISTIAN BRANDER-SILVA;LUIS ROMERO MARTÍN;MARTA RUIZ RIOL~ 33:US ~31:63/317,973 ~32:09/03/2022

2024/07620 ~ Complete ~54:ALPHA4BETA1/7 INTEGRIN LIGAND CONJUGATED COMPOUNDS AND USES THEREOF ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive, Suite 200, San Diego, California, 92121, United States of America ~72: MEHDI MICHEL DJAMEL NUMA;MIHAI AZIMIOARA;RUI ZHU;ZHEN LI~ 33:US ~31:63/327,334 ~32:04/04/2022

2024/07625 ~ Complete ~54:RAILCAR COUPLER KEY RETAINER APPARATUS ~71:MINER ENTERPRISES, INC., 1200 East State Street, P.O. Box 471, Geneva, Illinois 60134, United States of America ~72: BRADLEY J HAYMOND;DONALD E WILT;ERICH A SCHOEDL~ 33:US ~31:63/335,593 ~32:27/04/2022

2024/07630 ~ Complete ~54:FILM GRAIN SYNTHESIS USING MULTIPLE CORRELATED PATTERNS ~71:InterDigital CE Patent Holdings, SAS, 3 rue du Colonel Moll, PARIS 75017, FRANCE, France ~72: AMEUR, Zoubida;DE LAGRANGE, Philippe;FRANCOIS, Edouard;URBAN, Fabrice~ 33:EP ~31:22305512.0 ~32:08/04/2022

2024/07615 ~ Complete ~54:FORMULATIONS OF DENGUE VIRUS VACCINE COMPOSITIONS ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: BHAMBHANI, Akhilesh;BLUE, Jeffrey Thomas;GREEN-TREXLER, Erin J.;ISOPI, Lynne Ann;JONES, Morrisa;MARTIN, Sherrie-Ann P.;PIXLEY, Heidi Joanne;RYAN, Michael S.;STANBRO, Justin~ 33:US ~31:62/595,842 ~32:07/12/2017

2024/07621 ~ Complete ~54:ANIMAL FOOD COMPOSITION COMPRISING A SOURCE OF GLYCYRRHIZIN ~71:MARS, INCORPORATED, 6885 Elm Street, Mclean, Virginia, 22101, United States of America ~72: ADRIAN WATSON~ 33:EP ~31:22170352.3 ~32:27/04/2022

2024/07624 ~ Complete ~54:IMPROVING SEMEN QUALITY ~71:CEUTICS HEALTH GESMBH, Gauermanngasse 4, 1010, Vienna, Austria ~72: STEFAN ULRICH FRITZ~ 33:AT ~31:GM50065/2022 ~32:06/04/2022;33:EP ~31:22166917.9 ~32:06/04/2022

2024/07611 ~ Provisional ~54:STRAP TO SECURE PALLETIZED GOODS ~71:BUFFALO SECURE (PTY) LTD., 2 Dienst Street, ALRODE, Alberton 1450, Gauteng, SOUTH AFRICA, South Africa ~72: ADAMS, Eric Martin~

2024/07618 ~ Complete ~54:RECOMBINANT NEWCASTLE DISEASE VIRUSES AND IMMUNOGENIC COMPOSITIONS FOR USE IN PREVENTING COVID-19 ~71:ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, One Gustave L. Levy Place, New York, New York, 10029, United States of America ~72: ADOLFO GARCIA-SASTRE;FLORIAN KRAMMER;IRENE GONZALEZ DOMINGUEZ;PETER PALESE;WEINA SUN~ 33:US ~31:63/318,640 ~32:10/03/2022

2024/07622 ~ Complete ~54:A HIGH SPF GEL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ADITI JAYAVANT KULKARNI;ANKITA RUTU PAWAR;ASHISH ANANT VAIDYA;KALAVATHI RAMANAN;PRAFUL GULAB RAO LAHORKAR;RAJKUMAR PERUMAL~ 33:EP ~31:22173243.1 ~32:13/05/2022

2024/07632 ~ Complete ~54:WIND TURBINE BLADE ASSEMBLY DEVICE FOR EASY INSTALLATION AND REMOVAL IN VERTICAL POSITION ~71:CLS WIND LLC, P.O. Box 7155, United States of America ~72: GARCIA, Andres C.;JOHNSON, Kent A.~ 33:US ~31:63/329,538 ~32:11/03/2022

2024/07610 ~ Provisional ~54:LIQUID FUEL VAPORIZER ~71:Stanley Preston Lewis, 8 Jessem Street, South Africa ~72: Stanley Preston Lewis~

2024/07617 ~ Complete ~54:A FASTENING ASSEMBLY, A CROSS BAR COMPRISING THE FASTENING ASSEMBLY, AND A METHOD OF MOUNTING THE CROSS BAR AND THE FASTENING ASSEMBLY TO A TRUCK BED ~71:MOUNTAIN TOP (DENMARK) APS, Pedersholmparken 10, Denmark ~72: Peter Singer HANSEN;Robert ANSINGH~ 33:DK ~31:PA 2022 70101 ~32:14/03/2022

2024/07633 ~ Complete ~54:HOT ROLLED STEEL AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Laura MOLI SANCHEZ;Nele VAN STEENBERGE;Sarata CISSE;Tom WATERSCHOOT~

2024/07608 ~ Provisional ~54:COMPARTMENTALIZED PRESSURE REGULATED COMPRESSION CAP ~71:Aldo Fourie, 3 40th Street, Shelley Point, South Africa ~72: Aldo Fourie~

2024/07609 ~ Provisional ~54:GOLF BALL TEE SUPPORT FOR SHORT AND SAFE GOLF BALL FLIGHT FROM GOLF DRIVER DRIVER SWING ~71:Alan Benefeld, 10 Widgeon Street, South Africa ~72: Alan Benefeld~

2024/07616 ~ Complete ~54:CLOSURE CAP ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Denis SCHEIBENSTOCK;Franz-Michael LÄSSER;Georg SÜSS;Jürgen BICKEL;Matthias DANGL;Peter WINGHART~ 33:CH ~31:CH000271/2022 ~32:14/03/2022

2024/07607 ~ Provisional ~54:PRESSURE REGULATED COMPRESSION CAP ~71:Aldo Fourie, 3 40th Street, Shelley Point, South Africa ~72: Aldo Fourie~

2024/07614 ~ Complete ~54:ENERGY STORAGE BATTERY MODULE STRENGTH DETECTION DEVICE ~71:CHINA RAILWAY HUATIE ENGINEERING DESIGN GROUP CO., LTD., China Railway Huatie Building, No. 36 Fengtai North Road, Fengtai District, Beijing, 100071, People's Republic of China ~72: DUAN, Lida;XIAO, Meng;ZHU, Qingling~

2024/07626 ~ Complete ~54:COOLING BEVERAGE CONCENTRATE IN A BEVERAGE DISPENSER ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BAX, Bart Jan;BROUWER, Eric Richard;OTTO, Jeroen Frank;PAAUWE, Arie Maarten~ 33:EP ~31:22168870.8 ~32:19/04/2022

2024/07628 ~ Complete ~54:ROR1-TARGETED BINDING MOLECULE AND USE THEREOF ~71:Hangzhou Zhongmeihuadong Pharmaceutical Co., Ltd., No.866, Moganshan Road, Gongshu District, HANGZHOU 310011, ZHEJIANG, CHINA (P.R.C.), People's Republic of China;Sanyou Biopharmaceuticals Co., Ltd., 3rd Floor, Building 6B-C, No.188 Xinjunhuan Road, Minhang District, SHANGHAI 201114, CHINA (P.R.C.), People's Republic of China ~72: LANG, Guojun;LIN, Chen;LIU, Chanjuan;LIU, Dongzhou;SHU, Qingyu;XU, Peifang~ 33:CN ~31:202210226048.9 ~32:09/03/2022;33:CN ~31:202310099967.9 ~32:09/02/2023

2024/07631 ~ Complete ~54:WIND TURBINE TOWER DETACHABLE SELF ERECTING SYSTEM FOR ALL WIND TURBINE COMPONENTS ~71:CLS WIND LLC, P.O. Box 7155, United States of America ~72: GARCIA, Andres C.;JOHNSON, Kent A.~ 33:US ~31:63/329,537 ~32:11/04/2022

2024/07623 ~ Complete ~54:CRYSTALLINE FORM OF LANIFIBRANOR ~71:INVENTIVA, 50 rue de Dijon, 21121, Daix, France ~72: BENAISSA BOUBIA;FRÉDÉRIC BELL~ 33:EP ~31:22305456.0 ~32:05/04/2022

2024/07635 ~ Provisional ~54:A COMPOSITION, USING CHLORINE DIOXIDE, FOR THE PREVENTION AND TREATMENT OF DIARRHEA IN YOUNG MAMMALIAN ANIMALS ~71:EXCELSIOR TRUST (IT3790/00), UNIT 8, 1ST FLOOR, BLOCK E, CENTURION GATE BUSINESS PARK, 126 AKKERBOOM STREET, South Africa ~72: HENDRIK JACOBUS KRIEL~

2024/07636 ~ Provisional ~54:A COMPOSITION, USING PYROLIGNEOUS ACID, FOR THE PREVENTION AND TREATMENT OF DIARRHEA IN YOUNG MAMMALIAN ANIMALS ~71:EXCELSIOR TRUST (IT3790/00), UNIT 8, 1ST FLOOR, BLOCK E, CENTURION GATE BUSINESS PARK, 126 AKKERBOOM STREET, South Africa ~72: HENDRIK JACOBUS KRIEL~

2024/07612 ~ Complete ~54:ENDOGENOUS PLANT EXPRESSION ENHANCER ~71:ARAMIS BIOTECHNOLOGIES INC., 2552 BOULEVARD DU PARC-TECHNOLOGIQUE, QUÉBEC CITY, QUÉBEC, G1P 4S6, CANADA, Canada ~72: D'AOUST, Marc-Andre;KATO, Ko;LAVOIE, Pierre-Olivier;YAMASAKI, Shotaro~

2024/07613 ~ Complete ~54:APPARATUS AND METHOD FOR ACCURATE LARGE SCALE ADDITIVE MANUFACTURING ~71:PAN MIXERS SOUTH AFRICA (PROPRIETARY) LIMITED, 5 Graniet Street, South Africa;QUINTIN BOOYSEN, 19 Viljoen Street, Edenglen, South Africa ~72: BOOYSEN, Quintin~ 33:ZA ~31:2023/06922 ~32:10/07/2023

2024/07634 ~ Provisional ~54:PENDERIS WORLD TRAVEL GAME ~71:HENRY PENDERIS, 21 PRITCHARD PLACE, PRITCHARD ST, NORTH RIDING, South Africa ~72: HENRY PENDERIS~

. - APPLIED ON 2024/10/09 -

2024/07862 ~ Provisional ~54:CALGEBRA WORKBOARD ~71:Simon Mokhanda, 129 Aureole Ave, Northriding, South Africa ~72: MALESELA SIMON MOKHANDA~

2024/07637 ~ Provisional ~54:METHOD & SYSTEM FOR AUTOMATED MICRO DONATIONS ~71:Angus Pohl, 7 BELVEDERE, South Africa ~72: Angus Pohl~

2024/07639 ~ Provisional ~54:THERMAL BOX ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/07646 ~ Complete ~54:METHOD FOR PREPARING TERT-BUTYL N-((1R,2S,5S)-2-((2-((5-CHLOROPYRIDIN-2-YL)AMINO)-2-OXOACETYL)AMINO)-5-(DIMETHYLCARBAMOYL)CYCLOHEXYL)CARBAMATE ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: HAO WANG;NING XU;XIN LIU;YANCHUN CAO;ZHIJIAN XU~ 33:US ~31:63/143,282 ~32:29/01/2021

2024/07651 ~ Complete ~54:TURMERIC TIBETAN RED YEAST RICE BEVERAGE, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:THE THIRD PEOPLE'S HOSPITAL OF CHENGDU, No.82 Qinglong Street, Qingyang District, People's Republic of China ~72: HOU, Jun;YANG, Jiali;YUE, Tian~ 33:CN ~31:2024111439552 ~32:20/08/2024

2024/07661 ~ Complete ~54:HEAD LICE TREATMENT ~71:NITOFF LIMITED, 22 St Mark's Crescent, United Kingdom ~72: Deirdre Gertrude Lillian WRIGHT;Joseph CINCOTTA~ 33:GB ~31:2201942.6 ~32:14/02/2022

2024/07671 ~ Complete ~54:SYSTEM FOR PRODUCING A HYDROCARBON PRODUCT FROM A SYNGAS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: COOK, Amelia Lorna Solveig;MARTIN, Christopher Thomas~ 33:GB ~31:2208492.5 ~32:10/06/2022

2024/07641 ~ Complete ~54:A BLAST-RESISTANT SAFE ~71:INTEGRATED CONVOY PROTECTION (PTY) LTD., 70 Klipkop, Graham Road, Lynnwood Road Extension, PRETORIA 0056, Gauteng Province, SOUTH AFRICA, South Africa ~72: ERWEE, Hermanus Philippus~ 33:ZA ~31:2023/08688 ~32:12/09/2023

2024/07638 ~ Provisional ~54:MM STATIONERY SHOPPERS BOT ~71:Moloko Koko Manthata, 21 11th Avenue, Rivonia, South Africa ~72: Moloko Koko Manthata~ 33:ZA ~31:1 ~32:08/10/2024

2024/07652 ~ Complete ~54:BOTTOM VISUALIZATION DEVICE FOR INCINERATION WASTE GAS TREATMENT EQUIPMENT IN COKE INDUSTRY ~71:LANZHOU UNIVERSITY OF TECHNOLOGY, No.287, Langongping Road, Qilihe District, Lanzhou City, People's Republic of China;TIANHUA CHEMICAL MACHINERY AND AUTOMATION RESEARCH AND DESIGN INSTITUTE LIMITED, No.3, Heshui North Road, Xigu District, Lanzhou City, People's Republic of China ~72: CHEN, Lei;LIU, Yadong;SU, Yang;WANG, Mingqiu;YANG, Zhenhua;YAO, Shuting;ZHANG, Yaoren~ 33:CN ~31:2023117929692 ~32:25/12/2023

2024/07655 ~ Complete ~54:METHOD TO OPTIMIZE THE NESTING OF TWO BLANKS WITHIN A LONGITUDINALLY EXTENDING FLAT STRIP ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alexandre BLAISE~ 33:IB ~31:PCT/IB2022/055630 ~32:17/06/2022;33:IB ~31:PCT/IB2022/055634 ~32:17/06/2022

2024/07669 ~ Complete ~54:NERVE WRAP USING CONSTRUCTED TISSUE ~71:Vascudyne, Inc., 1052 Curve Crest Blvd., STILLWATER 55082, MN, USA, United States of America ~72: MURPHY, Richard F.;SYEDAIN, Zeeshan~ 33:US ~31:63/318,767 ~32:22/03/2022

2024/07672 ~ Complete ~54:A SEISMIC NODE AND A METHOD FOR PRODUCING A SEISMIC NODE ~71:Reflection Marine Norge AS, Damsgårdsveien 135, 5160 Laksevåg, Norway ~72: Alexander MATROSOV;Erik Heggem BROKSTAD;Gunnar HERØ;Lucas Martinus Joseph GEURTS;Terje Leslie MOSTUE;Vidar Anders HUSOM~ 33:NO ~31:20220403 ~32:01/04/2022

2024/07673 ~ Complete ~54:METHOD AND COMPOSITION OF SYNERGISTIC HERBICIDAL MIXTURES ~71:PRO FARM GROUP, INC., 1540 Drew Avenue, Davis, California, 95618, United States of America ~72: BODDY, Louis Gregory;ROBINSON, Matthew Louis~ 33:US ~31:63/336,027 ~32:28/04/2022

2024/07649 ~ Complete ~54:PORTABLE HOOP LOCK ~71:ABUS AUGUST BREMICKER SÖHNE KG, Altenhofer Weg 25 Wetter-Volmarstein, 58300, Germany ~72: BERND WEIERSHAUSEN~ 33:DE ~31:102023129106.8 ~32:23/10/2023

2024/07650 ~ Complete ~54:METHOD FOR TREATING HEAVY METAL WASTEWATER BY UTILIZING IRON AND MANGANESE OXIDES ~71:SOUTH CHINA UNIVERSITY OF TECHNOLOGY, No.381, Wushan Road, Tianhe District, People's Republic of China ~72: CAI, Yuhao;LOU, Kejia;LU, Guining;LUO, Haoyu;YIN, Hua~

2024/07653 ~ Complete ~54:LOCOMOTIVE BATTERY UNIT ~71:TRIDENT SOUTH AFRICA (PTY) LTD, 414 Peddie Street, Wadeville Ext 6, Germiston, South Africa ~72: ALCOCK, Deane Garry;HETZEL, Cornelius Johannes;TAYLOR, Shainne John~ 33:ZA ~31:2020/01004 ~32:18/02/2020

2024/07643 ~ Complete ~54:FIRE SUPPRESSION SPRINKLER AND DEFLECTOR ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, United States of America ~72: WANCHO, Thomas F.~ 33:US ~31:62/640,208 ~32:02/03/2018

2024/07648 ~ Complete ~54:TRANSMEMBRANE PROTEASE, SERINE 6 (TMPRSS6) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: AIMEE M DEATON;BENJAMIN P GARFINKEL;JAMES D MCININCH;JOHN MICHAEL GANSNER;MARK K SCHLEGEL~ 33:US ~31:63/179,607 ~32:26/04/2021;33:US ~31:63/278,227 ~32:11/11/2021

2024/07656 ~ Complete ~54:BASE OIL AND LUBRICATING FLUID COMPOSITION CONTAINING SAID BASE OIL ~71:FUCHS SE, Einsteinstrasse 11, Germany ~72: Olaf BINKLE;Patrick FRIES~ 33:DE ~31:10 2022 111 794.4 ~32:11/05/2022

2024/07659 ~ Complete ~54:COMPOSITIONS HAVING IMPROVED BIOAVAILABILITY OF THERAPEUTICS AND USES THEREOF ~71:TRX BIOSCIENCES LIMITED, THE WALBROOK BUILDING, 25 WALBROOK, LONDON EC4N 8AF, UNITED KINGDOM, United Kingdom ~72: BANNISTER, Robin, M.;BREW, John;GOODING, Daniel~ 33:US ~31:63/269,330 ~32:14/03/2022;33:EP ~31:PCT/EP2022/058180 ~32:28/03/2022

2024/07664 ~ Complete ~54:PHOTOREACTOR DESIGN FOR CHEMICAL REACTIONS WITH LIMITED THERMODYNAMICS ~71:SYZYGY PLASMONICS INC., 9000 Kirby Drive, United States of America ~72: KHATIWADA, Suman;ROBATJAZI, Hossein~ 33:US ~31:63/338,378 ~32:04/05/2022

2024/07666 ~ Complete ~54:METHODS OF DETERMINING THE RISK OF DEVELOPING ALZHEIMER'S DISEASE DEMENTIA ~71:ADMIT THERAPEUTICS SL, 08950 Esplugues Del Llobregat, Barcelona, Spain ~72: JOSE LUIS MOSQUERA MAYO;MARTA BARRACHINA CASTILLO;MARTA BLANCH LOZANO~ 33:EP ~31:22382237.0 ~32:11/03/2022;33:EP ~31:22383135.5 ~32:25/11/2022

2024/07644 ~ Complete ~54:AZOLE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS ~71:FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: KASINATH SANA;MICHAEL ALAN ROSSI;MYLES JOSEPH TISCIONE;STEPHEN P BOLGUNAS;WENMING ZHANG~ 33:US ~31:63/142,365 ~32:27/01/2021

2024/07663 ~ Complete ~54:SEALING INSERTS FOR CROWN CORKS WITH REDUCED METAL-SHEET THICKNESS ~71:ACTEGA DS GMBH, Straubinger Str. 12, Germany ~72: Matthias KERN~ 33:EP ~31:PCT/EP2022/062996 ~32:12/05/2022

2024/07667 ~ Complete ~54:PROCESS FOR CONDENSING OXYGENATE MIXTURES ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: CHRISTIAN MÅRUP OSMUNDSEN;MATTHIAS JOSEF BEIER;MAX THORHAUGE;MORTEN BOBERG LARSEN~ 33:EP ~31:22183766.9 ~32:08/07/2022;33:EP ~31:22183770.1 ~32:08/07/2022

2024/07674 ~ Provisional ~54:EMERGENCY STAT MOBILE MEDICAL LABORATORY ~71:TERAN NAIDOO, HOUSE 251, ROAD 706, MONTFORD, CHATSWORTH, South Africa ~72: TERAN NAIDOO~

2024/07640 ~ Provisional ~54:A SYSTEM AND METHOD FOR REAL-TIME MEDITATION DETECTION AND PERSONALISATION USING BIOMETRIC SENSORS AND AI ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/07642 ~ Complete ~54:ASSESSMENT, OPTIMIZATION AND IMPROVEMENT METHOD AND APPARATUS FOR CARBON SEQUESTRATION CAPACITY OF SOIL AND WATER CONSERVATION PROJECT IN WINDY-SANDY AREA, AND DEVICE ~71:Ministry of Water Resources Pastoral Water Conservancy Science Institute, No.16 Daxue East Road, Saihan District, Hohhot, Inner Mongolia Autonomous Region, 010000, People's Republic of China;Ordos Afforestation Zongchang, Xinyuan Street, Shulinzhao Town, Dalad Banner, Ordos City, Inner Mongolia Autonomous Region, 014300, People's Republic of China;Ordos Hydrology Water Resource Branch, Northeast of the intersection of Binhe Avenue and Wenming East Side Road, Ejinhoro Banner, Ordos City, Inner Mongolia Autonomous Region, 017200, People's Republic of China ~72: GUO, Jianying;HAN, Shengli;LIU, Jing;LIU, Xinyu;LIU, Yanping;LV, Guanglin;SHEN, Hongxia;TANG, Pengcheng;TAO, Li;WANG, Ruidong;YANG, Rui;YANG, Zhenqi;YAO, Zhenyu;ZHANG, Tiegang;ZHAO, Tianqi;ZHENG, Ying;ZHOU, Xu~

2024/07647 ~ Complete ~54:METHODS AND SYSTEMS FOR EFFICIENT UPLINK (UL) SYNCHRONIZATION MAINTENANCE WITH A DEACTIVATED SECONDARY CELL GROUP (SCG) ~71:INTERDIGITAL PATENT HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: MARTINO FREDA;OUMER TEYEB;VIRGIL COMSA;YUGESWAR DEENOO~ 33:US ~31:63/136,531 ~32:12/01/2021

2024/07658 ~ Complete ~54:SELF-SERVICE TERMINAL AND METHOD ~71:DIEBOLD NIXDORF SYSTEMS GMBH, HEINZ-NIXDORF-RING 1, 33106 PADERBORN, GERMANY, Germany ~72: FAST, Alex;HOESCHEN, Hermann~ 33:EP ~31:22162910.8 ~32:18/03/2022

2024/07662 ~ Complete ~54:BEVERAGE CONCENTRATE CARTRIDGE WITH INTEGRATED FILTER ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BAX, Bart Jan;BROUWER, Eric Richard;OTTO, Jeroen Frank;PAAUWE, Arie Maarten~ 33:EP ~31:22168859.1 ~32:19/04/2022

2024/07665 ~ Complete ~54:SYSTEM FOR CLEANING RIVERS AND WATERWAYS IN GENERAL ~71:MOLD SRL, Via Asiago 77, Italy ~72: Vanni COVOLO~ 33:IT ~31:102022000008063 ~32:22/04/2022

2024/07645 ~ Complete ~54:METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: XIN LIU;YANCHUN CAO;ZHIJIAN XU~ 33:US ~31:63/143,156 ~32:29/01/2021

2024/07654 ~ Complete ~54:METHOD TO AUTOMATICALLY POSITION BLANKS IN A STRIP AND TO CALCULATE THE ASSOCIATED SCRAP RATIO ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alexandre BLAISE~

2024/07657 ~ Complete ~54:PROCESS AND APPARATUS FOR INCREASING INTRINSIC VISCOSITY OF POLYCONDENSATES ~71:EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., Freindorf, Unterfeldstrasse 3, Austria ~72: Feichtinger KLAUS;Hermann WOLFGANG~ 33:AT ~31:A50260/2022 ~32:20/04/2022

2024/07660 ~ Complete ~54:MATERIALS AND METHODS FOR INCREASING GOLD RECOVERY FROM LEACHATE SOLUTIONS ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: KNESEL, Gabriela~ 33:US ~31:63/333,295 ~32:21/04/2022

2024/07668 ~ Complete ~54:METHODS OF TREATMENT ~71:Arena Pharmaceuticals, Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: OREVILLO, Chadwick J.;PARASRAMPURIA, Dolly;PERERA, Philip~ 33:US ~31:63/318,670 ~32:10/03/2022

2024/07670 ~ Complete ~54:METHOD AND APPARATUS FOR PRODUCTION OF ALCOHOLS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: SMIDT, Martin~ 33:GB ~31:2208331.5 ~32:07/06/2022

2024/07675 ~ Provisional ~54:INTERGRATED DATABASE FOR CERTIFICATES OBTAINED (CERTIFICATES RETRIEVAL SYSTEM) ~71:GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANSDRIFT, BUTHI, South Africa ~72: GEORGE MAKHAYA MASOMBUKA~

. - APPLIED ON 2024/10/10 -

2024/07678 ~ Complete ~54:A POLICY DATA INFORMATION COLLECTION SYSTEM FOR INTERNET DATABASE ~71:Tongling University, No. 1335, Cuihu 4th Road, Tongling City, Anhui Province, People's Republic of China ~72: Hou Maowen;Wang Weiyun~

2024/07683 ~ Complete ~54:MOVABLE OBSTACLE DEVICE FOR BASKETBALL DRIBBLING TRAINING ~71:Shandong University of Finance and Economics, No. 7366, Second Ring East Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Xiaoping YUAN~

2024/07689 ~ Complete ~54:IMPROVED ARTIFICIAL INTELLIGENCE INTERACTIVE DEVICE ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: KONG Xiangjin~

2024/07693 ~ Complete ~54:MULTISPECIFIC ANTIBODIES AND USES THEREOF ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: DASGUPTA, Bidisha;DEL ROSARIO, Brian;EDWARDS, Wilson;KELLY, Thomas;NANJUNDA, Rupesh;SINGH, Sanjaya;YANG, Danlin;ZWOLAK, Adam~ 33:US ~31:63/269,206 ~32:11/03/2022

2024/07687 ~ Complete ~54:METHOD AND SYSTEM OF ENERGY-SAVING CONTROL OF PHOTOVOLTAIC POWER STATIONS BASED ON MULTI-DIMENSIONALITY ~71:SHANDONG HUADIAN ENERGY CONSERVATION TECHNOLOGY CO., LTD., Room 608B, Building 4, China Railway Caizhi Center, No. 59, Gongyenan Road, Jinan Area of China (Shandong) Pilot Free Trade Zone, Jinan, People's Republic of China ~72: LI, Junfei;LIU, Guangyao;LUO, Bing~ 33:CN ~31:2024100956911 ~32:23/01/2024

2024/07679 ~ Complete ~54:EFFECTIVE OPERATION CONTROL METHOD FOR FANS OF GAS GENERATOR SET ~71:Shanxi Kaijia Coalbed Methane Power Generation Co., Ltd., Beijiaotou Village, Yitang Town, Jiexiu City, Jinzhong City, Shanxi Province, 032000, People's Republic of China ~72: GUO, Haibing;GUO, Qiang;HAN, Yangyang;TAN, Yongjie;WU, Dongqi;YAN, Ke;ZHANG, Minghao;ZHANG, Zhifei~

2024/07676 ~ Provisional ~54:INTERACTIVE VIRTUAL SPORT BROADCAST USING DEEP LEARNING AND COMPUTER VISION THAT TAKES OLD BROADCAST VIDEO AND TURNS IT INTO LIVE BROADCAST USING THE G-INTERFACE ~71:Gladwin Marumo, 12 Belvedere Road, South Africa ~72: Gladwin Marumo~

2024/07677 ~ Complete ~54:ANAEROBIC BLOOD STORAGE CONTAINERS ~71:HEMANEXT INC., 99 Hayden Avenue, Building B, Suite 620, United States of America ~72: CORDERO, Rafael;KEEGAN, Philip, Michael;RENGANATHAN, Narendran;SARITA, Jancarlo;SUTTON, Jeffrey, Karl;WOLF, Michael;YOSHIDA, Tatsuro;ZOCCHI, Michael~ 33:US ~31:62/151,839 ~32:23/04/2015;33:US ~31:62/151,957 ~32:23/04/2015

2024/07682 ~ Complete ~54:APPLICATION OF PENTOSE PHOSPHATE PATHWAY INHIBITORS IN PREPARING MEDICINES FOR TREATING NONALCOHOLIC STEATOHEPATITIS ~71:Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District, Beijing, People's Republic of China ~72: BIAN Baolin;JIANG Shan;SI Nan;WANG Hongjie;WEI Xiaolu;ZHAO Haiyu;ZHOU Yanyan~

2024/07685 ~ Complete ~54:TRAFFIC DISPERSION DEVICE FOR PEDESTRIAN-AND-VEHICLE SEPARATION PLAN ON CONGESTED ROAD ~71:TONGLING UNIVERSITY, NO. 1335 CUIHU 4TH ROAD, TONGLING CITY, People's Republic of China ~72: YANG, Jing;ZHANG, Hao;ZHANG, Lin;ZHANG, Yuan~

2024/07681 ~ Complete ~54:WAVELENGTH-TUNABLE Q-SWITCHED LASER ~71:SOUTHWEST UNIVERSITY, No.2 Tiansheng Road, Beibei District, Chongqing, People's Republic of China ~72: DENG Tao;GAO Ziye;LI Xu;LIN Xiaodong;WU Zhengmao;XIA Guangqiong~

2024/07684 ~ Complete ~54:BASKETBALL STAND CONVENIENT TO STORE ~71:Shandong University of Finance and Economics, No. 7366, Second Ring East Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Xiaoping YUAN~

2024/07696 ~ Complete ~54:METHOD FOR MANUFACTURING EXHAUST GAS PURIFICATION CATALYST DEVICE ~71:Cataler Corporation, 7800, Chihama, KAKEGAWA-SHI 4371492, SHIZUOKA, JAPAN, Japan ~72: ATSUMI, Ken;KURATA, Yasuyoshi~ 33:JP ~31:2022-072659 ~32:26/04/2022

2024/07698 ~ Complete ~54:VALVE ~71:DAVIS & DEALE IRRIGATION (PROPRIETARY) LIMITED, 6 – 8 COERT STEYNBERG STREET, VAN ECK PARK, BRAKPAN, 1459, South Africa ~72: DAVIS, BEVAN JOHN~ 33:ZA ~31:2023/09886 ~32:24/10/2023

2024/07688 ~ Complete ~54:CIVIL ENGINEERING STRUCTURAL HEALTH MONITORING DEVICE ~71:Changzhou Institute of Technology, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, 213032, People's Republic of China ~72: Ge Pei;Li Jianfen;Li Shujin;Lu Lianghui;Ma Xingliang;Song Yang;Zhou Junwen~

2024/07691 ~ Complete ~54:CELL DIFFERENTIATION ~71:JOHN HEMMING TRADING LTD, 78 Alcester Road, United Kingdom ~72: HEMMING, John~ 33:GB ~31:2205525.5 ~32:14/04/2022;33:GB ~31:2209046.8 ~32:20/06/2022;33:GB ~31:2219693.5 ~32:23/12/2022

2024/07695 ~ Complete ~54:OPTICAL TRANSMISSION DEVICE, SERVICE DEVICE, AND SERVICE TRANSMISSION METHOD AND SYSTEM ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Yuanhua;LOU, Jun;XU, Qiming~ 33:CN ~31:202210391700.2 ~32:14/04/2022

2024/07690 ~ Complete ~54:DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT ~71:ROGACHEV Igor Petrovich, Pogonniy proezd,

d. 3, k. 3, kv. 91, Moscow, 107564, Russian Federation ~72: ROGACHEV Igor Petrovich~ 33:RU ~31:2024118088 ~32:29/06/2024

2024/07697 ~ Complete ~54:TEMPLATE-BASED INTRA MODE DERIVATION WITH WIDE ANGLE INTRA PREDICTION ~71:InterDigital CE Patent Holdings, SAS, 3 rue du Colonel Moll, PARIS 75017, FRANCE, France ~72: DUMAS, Thierry;GALPIN, Franck;NASER, Karam;REUZE, Kevin~ 33:EP ~31:22305511.2 ~32:08/04/2022

2024/07680 ~ Complete ~54:ENERGY STORAGE FLYWHEEL ARRAY SAFETY BRAKE DEVICE ~71:Anhui Huachi Energy Technology Co., Ltd., No. 8, Chang'an Avenue, Zongyang County Economic Development Zone, Tongling City, Anhui Province, 244000, People's Republic of China;Jining Normal University, No. 59, Gongnong Street, Jining District, Ulanqab City, Inner Mongolia Autonomous Region, 012000, People's Republic of China ~72: DONG, Yongsheng;GUO, Xiaoxia;JING, Lili;NIE, Yang;SU, Sen;WANG, Zhiqiang~ 33:CN ~31:202410785147.X ~32:18/06/2024

2024/07686 ~ Complete ~54:METHOD FOR OXIDATIVE LEACHING OF VANADIUM AND CHROMIUM BY USINGULTRASONIC EXTERNAL FIELD COMBINED WITH MICROBUBBLES ~71:Institute of Process Engineering, Chinese Academy of Sciences, 1 North 2nd Street, Zhongguancun, Haidian District, BEIJING 100190, CHINA (P.R.C.), People's Republic of China ~72: HU, Wenbin;LI, Huiquan;WANG, Chenye;WANG, Xingrui~ 33:CN ~31:202311302955.8 ~32:10/10/2023

2024/07694 ~ Complete ~54:MULTISPECIFIC ANTIBODIES AND USES THEREOF ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE B-2340, BELGIUM, Belgium ~72: DASGUPTA, Bidisha;DEL ROSARIO, Brian;EDWARDS, Wilson;KELLY, Thomas;NANJUNDA, Rupesh;SINGH, Sanjaya;YANG, Danlin;ZWOLAK, Adam~ 33:US ~31:63/269,208 ~32:11/03/2022

2024/07692 ~ Complete ~54:MULTISPECIFIC ANTIBODIES AND USES THEREOF ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE B2340, BELGIUM, Belgium ~72: DASGUPTA, Bidisha;DEL ROSARIO, Brian;EDWARDS, Wilson;KELLY, Thomas;NANJUNDA, Rupesh;SINGH, Sanjaya;YANG, Danlin;ZWOLAK, Adam~ 33:US ~31:63/269,204 ~32:11/03/2022

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2024/07823 ~ Provisional ~54:NOKO MACHINERY ~71:BOITUMELO VALERIE RAMOYAGI, MAYBERRY PARK, South Africa ~72: BOITUMELO RAMOYAGI;TSHOLOFELO CLEMENTINE RAMOYAGI~

2024/07702 ~ Complete ~54:A TRAINING METHOD, PREDICTION METHOD, AND DEVICE FOR ROLLING FORCE PREDICTION MODEL ~71:Liaoning Institute of Science and Technology, No. 176, Xianghuai Road, Hi-Tech Industrial Development Zone, Benxi City, Liaoning Province, People's Republic of China ~72: Huang Zhidong;Shi Chunyang;Tao Peilin;Wang Yikun;Zhang Lei~ 33:CN ~31:202410883232X ~32:02/07/2024

2024/07708 ~ Complete ~54:A SENSOR-BASED ROAD ICING EARLY WARNING METHOD AND SYSTEM ~71:Sichuan Gaolu Information Technology Co., Ltd., No. 2 Wuhouci East Street, Chengdu City, Sichuan Province, 610041, People's Republic of China ~72: Dai Chao;Jia Haowei;Lei Bingchuan;Wang Yanchen;Xia Weifeng;Yu Zhihao;Zhang Ying~ 33:CN ~31:202410910663.0 ~32:09/07/2024

2024/07710 ~ Complete ~54:METHOD OF WELDING A STEEL SHEET COMPRISING TIB2 PRECIPITATES ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Frédéric BONNET;Jessy HAOUAS;Valérie DAESCHLER~

2024/07713 ~ Complete ~54:METHOD FOR HEATING A FURNACE ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Franscico Javier LAGO FERNANDEZ;Jon REYES;Pedro PRENDES;Victor CUERVO PINERA~ 33:IB ~31:PCT/IB2022/057148 ~32:02/08/2022

2024/07715 ~ Complete ~54:A COLD ROLLED MARTENSITIC STEEL AND METHOD OF PRODUCING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Dongwei FAN;Ranga Nikhil Vinayak YELLAKARA~

2024/07723 ~ Complete ~54:METHOD FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) DETECTION ON BASIS OF RECEPTOR BINDING ~71:CENTRAL HOSPITAL OF MINHANG DISTRICT SHANGHAI, No.170 Xinsong Road, Minhang District, Shanghai, 201199, People's Republic of China ~72: DU, Ling;MENG, Zhefeng~ 33:CN ~31:202211114309.4 ~32:14/09/2022

2024/07733 ~ Complete ~54:CREAMER COMPOSITION ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LORET, Chrystel;ROGER, Olivier Yves;ROUSSET, Philippe;TERRAZAS VELARDE, Korina~ 33:SG ~31:10202202798S ~32:18/03/2022;33:EP ~31:22176092.9 ~32:30/05/2022

2024/07712 ~ Complete ~54:PESTICIDAL COMPOSITIONS COMPRISING PENTANAL AND USES THEREOF ~71:MIGAL GALILEE RESEARCH INSTITUTE LTD., P.O Box 831, Israel ~72: GAMRASNI, Dan;GOLDWAY, Martin~ 33:US ~31:63/319,409 ~32:14/03/2022

2024/07716 ~ Complete ~54:ANTI-ALLERGEN ANTIBODIES AND USES THEREOF ~71:MABYLON AG, Wagistrasse 14, Switzerland ~72: ARENA, Chiara;BARBERIS, Alcide;BIELI, Dimitri;GASSER, Pascal;PENGO, Niccolò;SCHEIBLING, Rahel;SONATI, Tiziana;WUILLEMIN, Natascha~ 33:EP ~31:PCT/EP2022/063439 ~32:18/05/2022

2024/07703 ~ Complete ~54:FEEDING MACHINE FOR PREYING ON STINK BUGS ~71:China National Tobacco Corporation, Hainan, No. 120, Hongchenghu Road, Qiongshan District, Haikou City, Hainan Province, 571100, People's Republic of China;Guangdong Institute of Tobacco Science, 6th and 7th Floor, West Tower, Chengtou Business Building, No. 69, Binjiang Road, Wujiang District, Shaoguan City, Guangdong Province, 512000, People's Republic of China;Guangdong Tobacco Shaoguan Co., Ltd, No. 69, Binjiang Road, Wujiang District, Shaoguan City, Guangdong Province, 512000, People's Republic of China ~72: CHEN, Dexin;DENG, Haibin;HU, Yan~

2024/07717 ~ Complete ~54:A LIGHTWEIGHT CONSTRUCTION ELEMENT ~71:SAINT-GOBAIN PLACO, Tour Saint-Gobain, 12 Place de l'Iris, France ~72: S, Kanakavel;S, Vikram~ 33:IN ~31:202141059764 ~32:21/06/2022

2024/07722 ~ Complete ~54:NOVEL SULFONATE BENZAMIDE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: GEORGE PHILIP LAHM~ 33:US ~31:63/330,809 ~32:14/04/2022

2024/07711 ~ Complete ~54:METHOD OF REDUCING WATER CONSUMPTION IN BIOETHANOL PRODUCTION PROCESS ~71:G2B BIOSOLUTIONS APS, Hagens Allé 7, Denmark ~72: BAPAT, Prashant Madhusudan;JADHAV, Dayanand~ 33:DK ~31:PA202270237 ~32:05/05/2022

2024/07719 ~ Complete ~54:SALT FORMS OF MESEMBRINE ~71:KANNA HEALTH LIMITED, 1st Floor One Suffolk Way, United Kingdom ~72: GRAY, Royston Anthony;PROTZKO, Ryan Joseph~ 33:GB ~31:2204778.1 ~32:01/04/2022

2024/07724 ~ Complete ~54:SUPERCONDUCTING INDUCTION LOOPS FOR MINERAL EXPLORATION ~71:KOBOLD METALS COMPANY, 64 Shattuck Square, Suite 210 Berkeley, California 94704, United States of America ~72: MARK TOPINKA;THOMAS HUNT~ 33:US ~31:63/319,565 ~32:14/03/2022

2024/07731 ~ Complete ~54:ADVANCED EXTENDED FLOWBACK SYSTEM ~71:Marine Well Containment Company, 9807 Katy Fwy #1200, HOUSTON 77024, TX, USA, United States of America ~72: NICKERSON, David~ 33:US ~31:17/654,747 ~32:14/03/2022

2024/07735 ~ Complete ~54:SCANNER EMULATION FOR MINING VEHICLE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: LIIKANEN, Henri~ 33:EP ~31:22168315.4 ~32:14/04/2022

2024/07725 ~ Complete ~54:ANTI-LY6E ANTIBODIES, IMMUNOCONJUGATES, AND USES THEREOF ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080, United States of America ~72: DHAYA SESHASAYEE;JAMES THOMAS KOERBER;JOSEFA DELA CRUZ CHUH;KATHERINE R KOZAK;MARY ANN T GO;NICHOLAS JOHN AGARD;SHANG-FAN YU;THOMAS HARDEN PILLOW;YONGLIAN SUN;ZHONGHUA LIN~ 33:US ~31:63/337,945 ~32:03/05/2022;33:US ~31:63/492,297 ~32:27/03/2023

2024/07730 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE PREVENTION AND TREATMENT OF RABIES VIRUS INFECTION ~71:Replicate Bioscience, Inc., 11558 Sorrento Valley Road, Suite 6, SAN DIEGO 92121, CA, USA, United States of America ~72: ALIAHMAD, Parinaz;GEALL, Andrew;MIYAKE-STONER, Shigeki Joseph;WANG, Nathaniel Stephen~ 33:US ~31:17/720,002 ~32:13/04/2022

2024/07699 ~ Provisional ~54:METHOD OF RECOVERING ALUMINIUM TRIHYDROXIDE AS A BIPRODUCT OF SULPHATE BEARING WASTEWATER TREATMENT ~71:MINTEK, 200 Malibongwe Drive, South Africa ~72: MOKOENA, Sam;NDLOVU, Gebhu;NETSHIKHUDINI, Tshamano~

2024/07706 ~ Complete ~54:INTELLIGENT TUNNEL COMPREHENSIVE CONTROL METHOD DEVICE MEDIUM AND EQUIPMENT FOR TUNNEL CONSTRUCTION ~71:Sichuan Gaolu Information Technology Co., Ltd., No. 2 Wuhouci East Street, Chengdu City, Sichuan Province, 610041, People's Republic of China ~72: Chen Huiyu;Dai Yang;Liang Yucen;Liu Gang;Liu Yi;Song Zhoulin;Wu Yunqiang;Zhang Qian~ 33:CN ~31:202411163831.0 ~32:23/08/2024

2024/07726 ~ Complete ~54:CAPSID VARIANTS AND METHODS OF USING THE SAME ~71:DYNO THERAPEUTICS, INC., 343 Arsenal Street, Suite 101 Watertown, Massachusetts 02472, United States of America ~72: HANNA LEVITIN;HEIKKI TURUNEN~ 33:US ~31:63/331,543 ~32:15/04/2022;33:US ~31:63/443,262 ~32:03/02/2023

2024/07732 ~ Complete ~54:PLATED STEEL MATERIAL AND METHOD FOR MANUFACTURING PLATED STEEL MATERIAL ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: FUKUDA, Yuto;GOTO, Yasuto;MAJIMA, Yasuhiro;MIYATA, Takuya;SAITO, Mamoru;SHINDO, Hidetoshi;TOKUDA , Kohei;YAMATO , Naoyuki~ 33:JP ~31:2022-044295 ~32:18/03/2022

2024/07734 ~ Complete ~54:GIS ZEOLITE, ZEOLITE MOLDED BODY, ADSORPTION DEVICE AND METHOD FOR PRODUCING PURIFIED GAS ~71:Asahi Kasei Kabushiki Kaisha, 1-1-2 Yurakucho, Chiyoda-ku, TOKYO 1000006, JAPAN, Japan ~72: OHKUBO, Atsushi~ 33:JP ~31:2022-054157 ~32:29/03/2022

2024/07714 ~ Complete ~54:PROCESS AND METHOD FOR SEPARATING RARE EARTH ELEMENTS FROM LEACH SOLUTIONS ~71:RARE EARTH SALTS SEPARATION AND REFINING, LLC, 1111 18th Street SW, United States of America ~72: BREWER, Joseph~ 33:US ~31:63/327,477 ~32:05/04/2022

2024/07707 ~ Complete ~54:A HIGHWAY SOUND RECOGNITION ACCIDENT DETECTION SYSTEM ~71:Sichuan Gaolu Information Technology Co., Ltd., No. 2 Wuhouci East Street, Chengdu City, Sichuan Province, 610041, People's Republic of China ~72: Chen Huiyu;Dai Yang;Liang Yucen;Liu Gang;Liu Yi;Song Zhoulin;Wu Yunqiang;Zhang Qian~ 33:CN ~31:202411112373.8 ~32:14/08/2024

2024/07718 ~ Complete ~54:PYRIDINE DERIVATIVES FOR TREATING PSYCHIATRIC DISORDERS ~71:GILGAMESH PHARMACEUTICALS, INC., 113 University Place, Suite 1019, United States of America ~72: COE, Jotham, Wadsworth;KRUEGEL, Andrew Carry;O'NEILL, Brian, Thomas~ 33:US ~31:63/332,324 ~32:19/04/2022

2024/07721 ~ Complete ~54:METHODS FOR THE PREPARATION OF 5-CHLORO-2-((ETHOXYCARBONYL)AMINO)-3-METHYLBENZOIC ACID ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America;FMC IP TECHNOLOGY GMBH, Industrieplatz 1c/Mittelbau, 8212, Neuhausen, Switzerland ~72: HAO WANG;JIANHUA MAO;JIE LUAN;SHUREN JI;WANGRONG SHI;YUANJUN DI~ 33:US ~31:63/330,813 ~32:14/04/2022

2024/07728 ~ Complete ~54:HOSPITAL MEDICATION MANAGEMENT SYSTEM ~71:THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), 63 Duobao Road, Guangzhou, Guangdong, 510000, People's Republic of China ~72: GAO, Feifeng;LI, Nanxing;XIAO, Haiyan~

2024/07737 ~ Complete ~54:POWDER INHALER ~71:APTAR FRANCE SAS, Lieudit Le Prieuré, France ~72: BAILLET, Matthieu~ 33:FR ~31:FR2203475 ~32:14/04/2022

2024/07700 ~ Provisional ~54:ARROWSMITH STRINGRING ~71:Catharina Whitehead, 3 Pitsani Road, The Willows Estate, 58 del Lago, Kelland, Randburg, Gauteng, 2194, South Africa ~72: Catharina Whitehead~

2024/07705 ~ Complete ~54:COAL-ROCK FRACTURE SEEPAGE WATER INFRARED RADIATION PROBE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Fangchao Lu;Ge Wang;Guoxi Tang;Jing Liu;Liguo Liu;Quan Lou;Sheng Liu;Wenfei Wang;Xiang Chen;Xingya Qi;Xun Liu;Yiju Tang;Yongan Wang;Yuanji Yu~

2024/07701 ~ Provisional ~54:A TEMPORARY STRUCTURE ~71:RAFAEL LEVY, 20 Grenville Avenue, Savoy, 2090, South Africa ~72: RAFAEL LEVY~

2024/07704 ~ Complete ~54:MOUNTING STRUCTURE FOR THE PROBE OF A COAL-ROCK INSTABILITY FRACTURE MONITORING AND EARLY WARNING DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Fangchao Lu;Ge Wang;Guoxi Tang;Jing Liu;Liguo Liu;Quan Lou;Sheng Liu;Wenfei Wang;Xiang Chen;Xingya Qi;Xun Liu;Yiju Tang;Yongan Wang;Yuanji Yu~

2024/07736 ~ Complete ~54:ANTIBODIES AGAINST HUMAN SIGLEC-9 AND USE THEREOF FOR IMMUNOTHERAPY ~71:The Wistar Institute of Anatomy and Biology, 3601 Spruce Street, PHILADELPHIA 19104, PA, USA, United States of America ~72: ABDEL-MOHSEN, Mohamed;BORDOLOI, Devivasha;MUTHUMANI, Kar;WEINER, David~ 33:US ~31:63/325,865 ~32:31/03/2022

2024/07822 ~ Complete ~54:ROLL-ON APPLICATOR BALL ~71:Mpact Limited, 4th Floor, No. 3 Melrose Boulevard, South Africa ~72: HULME-JONES, Graeme Edward~ 33:ZA ~31:2022/03004 ~32:14/03/2022

2024/07709 ~ Complete ~54:AUXILIARY PLANTING DEVICE FOR LANDSCAPES AND GARDENS ~71:TANGSHAN UNIVERSITY, No. 11 University West Road,hi-tech Zone,Tangshan City ,Hebei Province, People's Republic of China ~72: CHEN Qiang;LIU Sihan;SUN Yu~

2024/07720 ~ Complete ~54:DEVICE FOR CARDIOLOGIC MAGNETIC AND OPTICAL STIMULATION ~71:IMUTEC SAS, 9 Rue Quentin Bauchart , 75008, Paris, France ~72: NADIA VOLF~ 33:US ~31:17/695,089 ~32:15/03/2022

2024/07727 ~ Complete ~54:NOVEL USAGE OF ONCOLYTIC GENE-MODIFIED MEASLES VIRUS ~71:THE UNIVERSITY OF TOKYO, 3-1, Hongo 7-chome, Bunkyo-Ku, Tokyo, 1138654, Japan ~72: CHIEKO KAI;KANAKO MORITOH;MISAKO YONEDA;TOMOKO FUJIYUKI~ 33:JP ~31:2022-041183 ~32:16/03/2022

2024/07729 ~ Complete ~54:LIGAND-DRUG-CONJUGATES WITH IMPROVED PHARMACOKINETIC AND DRUG RELEASE PROPERTIES ~71:Debiopharm Research & Manufacturing S.A., Rue du Levant 146, MARTIGNY 1920, SWITZERLAND, Switzerland ~72: ADAM, Aurélien Simon Denis;MARX, Léo;PANTIN, Mathilde Lucile Colette~ 33:IB ~31:2022/060099 ~32:14/04/2022;33:IB ~31:2022/084848 ~32:07/12/2022;33:IB ~31:2023/056237 ~32:10/03/2023

. - APPLIED ON 2024/10/14 -

2024/07768 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS CONTAINING ANTI-HER2 ANTIBODY FOR SUBCUTANEOUS ADMINISTRATION ~71:EIRGENIX, INC., No. 101, Lane 169, Kangning St., People's Republic of China ~72: CHOU, Ching-Yi;WU, Tsan-Hui~ 33:US ~31:63/333,930 ~32:22/04/2022;33:US ~31:63/333,935 ~32:22/04/2022

2024/07898 ~ Provisional ~54:RESISTANCE EXERCISE APPARATUS ~71:Newton Buchanon Fortuin, 12 Jonkershoek Street, Northpine, South Africa ~72: Newton Buchanon Fortuin~

2024/07738 ~ Provisional ~54:NUMBER PAY ~71:Sylvester Richards, 27 Lily Road, South Africa ~72: Sylvester Richards~

2024/07748 ~ Complete ~54:TEACHING TABLE WITH VARIABLE DESKTOP AREA ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: KONG Xiangjin~

2024/07750 ~ Complete ~54:ACUPUNCTURE NEEDLE INSERTION DEVICE FOR MASSAGE AND ACUPUNCTURE WITH POSITIONING AND GUIDING FUNCTIONS ~71:Guangxi University of Chinese Medicine, No. 13, Wuhe Avenue, Qingxiu District, Nanning City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Dongming LU;Hongliang TANG;Kailong WANG;Peng YANG;Wei GAN;Xiongjiang WANG;Yingye LIANG;Zhangsong NONG~

2024/07765 ~ Complete ~54:EXERCISE SUPPORT METHOD FOR NASOPHARYNGEAL CARCINOMA PATIENTS DURING RADIOTHERAPY ~71:JIANGSU CANCER HOSPITAL, No.42 Baiziting, Xuanwu District, Nanjing City, Jiangsu Province, 210009, People's Republic of China ~72: LU Juan;SHI Lingyun;YU Rongling;ZHANG Hui~

2024/07780 ~ Provisional ~54:VOICE-ACTIVATED FRAUD PREVENTION AND REAL-TIME CRIME RESPONSE SYSTEM WITH BANKING PAYLOAD INJECTION. ~71:Cebolakhe Khambule, 117 Wingedfoot Jackals creek golf estate, 117, South Africa ~72: Cebolakhe Khambule~

2024/07741 ~ Provisional ~54:ADJUSTABLE COMPRESSION CAP ~71:Aldo Fourie, 3 40th Street, Shelley Point, South Africa ~72: Aldo Fourie~

2024/07747 ~ Complete ~54:INFRARED MOXIBUSTION THERAPY DEVICE ~71:Anhui University of Chinese Medicine, No.103 Meishan Road, Hefei City, Anhui Province, 230038, People's Republic of China;Institute of Health and Medicine, Hefei Comprehensive National Science Center, No.4090 Susong Road, Jingkai District, Hefei City, Anhui Province, 230601, People's Republic of China ~72: Haiyan ZUO;Kun WANG;Meiqi ZHOU;Nenggui XU;Shengbing WU;Shuai CUI;Tongtong LIU;Xinyi ZHENG~

2024/07751 ~ Complete ~54:MEDICAL EQUIPMENT CLEANING DEVICE ~71:Shanghai University of Medicine & Health Sciences, No.279 Zhouzhu Highway, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: HUANG, Xiyuan;LI, Lanying~

2024/07758 ~ Complete ~54:TARGETED NUCLEIC ACID CONJUGATE COMPOSITIONS ~71:ARBUTUS BIOPHARMA CORPORATION, 100-8900 Glenlyon Parkway , Burnaby, British Columbia, V5J 5J8, Canada ~72: ALAN D MARTIN;JAMES HEYES;MARK WOOD;RICHARD J HOLLAND~ 33:US ~31:62/321,034 ~32:11/04/2016;33:US ~31:62/417,156 ~32:03/11/2016;33:US ~31:62/438,310 ~32:22/12/2016

2024/07762 ~ Complete ~54:ANTI-INTERLEUKIN-4 RECEPTOR (IL-4R) ANTIBODY FORMULATIONS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: TANG, Xiaolin~ 33:US ~31:63/337,532 ~32:02/05/2022

2024/07771 ~ Complete ~54:METHODS FOR PREVENTING OR SLOWING THE PROGRESSION OF COGNITIVE DECLINE OR IMPAIRMENT IN SUBJECTS DISPLAYING NORMAL COGNITIVE PERFORMANCE ~71:AgeneBio, Inc., 1340 Smith Avenue, Suite 200, BALTIMORE 21209, MD, USA, United States of America;The Johns Hopkins University, 3400 North Charles Street, Ames Hall, BALTIMORE 21218, MD, USA, United States of America;The Medical College of Wisconsin, Inc., 8701 W. Watertown Plank Rd, MILWAUKEE 53226, WI, USA, United States of America ~72: BAKKER, Arnold;GALLAGHER, Michela;LI, Shi-Jiang;ROSENZWEIG-LIPSON, Sharon~ 33:US ~31:63/326,773 ~32:01/04/2022

2024/07774 ~ Complete ~54:SYSTEM FOR EMBRYO TRANSFER ~71:Premium Fertility S.L., PREMIUM FERTILITY S.L, Ronda Narciso Monturiol y Estarriol, Num 11, Puerta C, Parque Tecnológico de Paterna, PATERNA (VALENCIA) 46980, SPAIN, Spain ~72: BADAL REGAS, Ari;FREITAS, Rhys;HUNT, David S.;SANTAMARÍA COSTA, Xavier;SIMÓN VALLÉS, Carlos~ 33:EP ~31:22382364.2 ~32:19/04/2022;33:EP ~31:22383099.3 ~32:14/11/2022;33:ES ~31:U202231892 ~32:14/11/2022

2024/07777 ~ Complete ~54:METHODS AND DEVICES FOR OBTAINING SILICON PHOTOMULTIPLIER DATA ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: MANISH KOCHAR~ 33:US ~31:63/336,822 ~32:29/04/2022

2024/07742 ~ Provisional ~54:AUTOMATED SYSTEM AND METHOD FOR GOAL OPTIMISATION UTILISING EEG/EOG FEEDBACK AND AI-DRIVEN NEUROLINGUISTIC PROGRAMMING TECHNIQUES TO ENHANCE POST-MEDITATION GOAL REINFORCEMENT ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2024/07744 ~ Provisional ~54:ONLINE PLATFORM FOR ORDERING NUTRITIONAL SUPPLEMENTS ~71:RIPPLEFFECT (PTY) LTD., 111 De Kaap Place, Lanzerac Complex, LONEHILL, Johannesburg 2062, Gauteng, SOUTH AFRICA, South Africa ~72: NIJS, Alexandre Laurent~

2024/07755 ~ Complete ~54:CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME ~71:CycloPure, Inc., 171 Saxony Road, ENCINITAS 92024, CA, USA, United States of America ~72: BARIN, Gokhan;BROWN, Moira;LI, Shan;SPRUELL, Jason M.~ 33:US ~31:62/805,505 ~32:14/02/2019

2024/07767 ~ Complete ~54:SEALING DEVICE FOR AT LEAST ONE FUEL CELL STACK ~71:AVL LIST GMBH, Hans-List-Platz 1, Austria ~72: LAWLOR, Vincent;PÖSCHL, Robert;SCHLUCKNER, Christoph~ 33:AT ~31:A 50248/2022 ~32:14/04/2022

2024/07770 ~ Complete ~54:NOVEL ANTI-ANGPTL3 ANTIBODIES SUITABLE FOR HIGH CONCENTRATION COMPOSITIONS AND SUBCUTANEOUS ADMINISTRATION ~71:Novo Nordisk A/S, Novo Allé, BAGSVÆRD 2880, DENMARK, Denmark ~72: EGEBJERG, Thomas;GREISEN, Per J.;HENRIKSEN, Anette;KROGH, Thomas Nylandsted~ 33:EP ~31:22171090.8 ~32:02/05/2022;33:EP ~31:22201248.6 ~32:13/10/2022

2024/07776 ~ Complete ~54:SLIDE CLOSURE FOR A VESSEL CONTAINING MOLTEN METAL ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstrasse 11, 1100, Wien, Austria ~72: RAPHAEL RENGGLI~ 33:EP ~31:22173309.0 ~32:13/05/2022

2024/07779 ~ Complete ~54:IMPROVED RFID ANTENNA ~71:ATTACHE HOLDINGS LLC, 270 W Pines Court, Montgomery, Texas 77356, United States of America ~72: DAVIS, Alan Wesley;John Francis MAHONY~ 33:US ~31:63/332,886 ~32:20/04/2022

2024/07753 ~ Complete ~54:A SKINCARE COMPOSITION ~71:NAIDOO, Ashley, 1096 HOWICK FALLS AVENUE, WATERFALL COUNTRY ESTATE, COUNTRY ESTATE DRIVE, MIDRAND, 1674, SOUTH AFRICA, South Africa;NAIDOO, Rajendra, 9 PINEWAY PLACE, MORNINGSIDE, SANDTON, 2196, SOUTH AFRICA, South Africa;PILLAY, Lushen, 175 BARBET AVENUE, 59 MILLENNIUM VILLAGE, HALFWAY GARDENS, GAUTENG, 0037, SOUTH AFRICA, South Africa ~72: DAYA, Roheet;NAIDOO, Ashley;NAIDOO, Rajendra;PILLAY, Lushen~ 33:ZA ~31:2024/04254 ~32:31/05/2024

2024/07756 ~ Complete ~54:CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME ~71:CycloPure, Inc., 171 Saxony Road, ENCINITAS 92024, CA, USA, United States of America ~72: BARIN, Gokhan;BROWN, Moira;LI, Shan;SPRUELL, Jason M.~ 33:US ~31:62/805,505 ~32:14/02/2019

2024/07769 ~ Complete ~54:A COMPUTER SYSTEM FOR DIAGNOSTIC ASSESSMENTS AND A METHOD THEREOF ~71:EVEDA IP PTY LTD, U 10 397 Smith St, Australia ~72: BAALA, Zahid~ 33:AU ~31:2022900626 ~32:15/03/2022

2024/07740 ~ Provisional ~54:MY CORRUPT FREE DRIVERS LICENCE TECHNOLOGY SOLUTION ~71:Selota Shai, 12 Sneeugras crescent, countryview, South Africa ~72: Selota Shai~

2024/07743 ~ Provisional ~54:CANNABIS INFUSED POPPING BOBA PEARLS ~71:Ahmed Khan, No2 Ncondo Place, South Africa ~72: Ahmed Khan~

2024/07749 ~ Complete ~54:BLACK PLASTER FOR TREATING PROLAPSE OF LUMBAR INTERVERTEBRAL DISC AND PREPARATION METHOD THEREOF ~71:Guangxi University of Chinese Medicine, No. 13, Wuhe Avenue, Qingxiu District, Nanning City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Chenglong WANG;Dongming LU;Hongliang TANG;Kailong WANG;Peng YANG;Tian XIA;Wei GAN;Xiongjiang WANG;Yingye LIANG;Zhangsong NONG~

2024/07754 ~ Complete ~54:CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME ~71:CycloPure, Inc., 171 Saxony Road, ENCINITAS 92024, CA, USA, United States of America ~72: BARIN, Gokhan;BROWN, Moira;LI, Shan;SPRUELL, Jason M.~ 33:US ~31:62/805,505 ~32:14/02/2019

2024/07760 ~ Complete ~54:BICYCLIC HETEROCYCLES AND THEIR LIGANDS FOR TARGETED DELIVERY OF THERAPEUTIC AGENTS ~71:HANSOH BIO LLC, Hansoh Bio, 9900 Medical Center Drive, United States of America;JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No. 3728 Jinke Road, People's Republic of China ~72: GUAN, Xiaoyang;ZHU, Hugh Y.;ZONG, Hong~ 33:US ~31:63/269,903 ~32:25/03/2022;33:US ~31:63/382,171 ~32:03/11/2022

2024/07764 ~ Complete ~54:METHOD FOR DETERMINING SENSITIVITY OF NASOPHARYNGEAL CARCINOMA TO RADIOTHERAPY ~71:JIANGSU CANCER HOSPITAL, No.42 Baiziting, Xuanwu District, Nanjing City, Jiangsu Province, 210009, People's Republic of China ~72: CHEN Li;SHI Lingyun;YU Rongling;YU Xiaoyan;ZHANG Liuliu~

2024/07739 ~ Provisional ~54:FINGER PAY ~71:Sylvester Richards, 27 Lily Road, South Africa ~72: Sylvester Richards~

2024/07745 ~ Provisional ~54:(AACGPRS) ~71:Gift Khotso Letsoala, 207 Block 7,Yellowwood Boulevard,Riverside View , Diepsloot , Johannesburg , Gauteng , 2189, South Africa ~72: Gift Khotso Letsoala~

2024/07746 ~ Provisional ~54:HYDRO ELECTRIC RECLAIMING ~71:David AB Van Der Walt, 30 Uniridge Complex , Lancia street , Lynnwood ridge , Pretoria , South Africa , 0081, South Africa ~72: David AB Van Der Walt~

2024/07752 ~ Complete ~54:A GALENA ORE COMBINATION INHIBITOR AND ITS APPLICATION THEREOF ~71:Rui Ma, No.727, Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: Haiyu Zhang;Qinbo Cao;Rui Ma;Yan Yan;Yanjun Li~ 33:CN ~31:202410909993.8 ~32:08/07/2024

2024/07757 ~ Complete ~54:AUTOMATIC DETECTION ELECTRICITY METER BASED ON INTERNET OF THINGS ~71:Zhejiang Wellsun Intelligent Technology Co.,Ltd., No.109, Yongchang Road, Shifeng Street, Tiantai County, Taizhou City, Zhejiang Province, 317200, People's Republic of China ~72: Cao Bingxian;He Riyang;Liu Yanmei;Wang Yonghong;Yao Xiaodong~

2024/07759 ~ Complete ~54:WATER TURBINE ARRANGEMENT ~71:UDOBID AJAM GREEN ENERGY SOLUTIONS (PTY) LTD, 622 Block F West, Tshwane, Tshwane, Gauteng, 0152, South Africa ~72: TSHOLOFELO DIBODU~ 33:ZA ~31:2023/08441 ~32:01/09/2023

2024/07761 ~ Complete ~54:COMPOSITIONS ~71:AMAZENTIS SA, EPFL Innovation Park, Switzerland ~72: D'AMICO, Davide;RINSCH, Christopher;SINGH, Anurag~ 33:GB ~31:2203966.3 ~32:22/03/2022;33:GB ~31:2216648.2 ~32:08/11/2022

2024/07766 ~ Complete ~54:RECTAL SURGERY CLEANING DEVICE ~71:JIANGSU CANCER HOSPITAL, No.42 Baiziting, Xuanwu District, Nanjing City, Jiangsu Province, 210009, People's Republic of China ~72: CAO Zhenglan;YIN Lu~

2024/07763 ~ Complete ~54:INTEGRATED MIXED PLASTIC PYROLYSIS WITH HEAVY OIL PRODUCT THERMAL CRACKING ~71:LUMMUS TECHNOLOGY LLC, 5825 N. Sam Houston Parkway West, Suite 600 Houston, United States of America ~72: CABRALES, Fredy, Antonio;CHAKRABORTY, Sudipto;CHEN, Liang;GILLIS, Daniel, Bruce;SOM, Manoj, Roy~ 33:US ~31:63/362,929 ~32:13/04/2022

2024/07772 ~ Complete ~54:BLASTHOLE DRILL COMPRESSOR DRIVE SYSTEM ~71:Sandvik Mining and Construction USA, LLC, P.O. Box 338, ALACHUA 32616, FL, USA, United States of America ~72: LAW, Arnold~ 33:US ~31:63/333,793 ~32:22/04/2022

2024/07775 ~ Complete ~54:GEAR SPEED CHANGE DEVICE, TRANSMISSION MECHANISM, AND WIND GENERATING SET ~71:GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., No. 107 Shanghai Road, Economic & Technological Development Zone, Urumqi, Xinjiang, 830026, People's Republic of China ~72: HONGLEI XU;SI GAO;XIAOLAN AI;YULIANG YANG~ 33:CN ~31:202210253345.2 ~32:15/03/2022

2024/07778 ~ Complete ~54:METHOD OF MINING USING A DISC CUTTER ~71:ELEMENT SIX (UK) LIMITED, Global Innovation Centre, Fermi Avenue, Harwell Oxford, Didcot, Oxfordshire, OX11 0QR, United Kingdom;ELEMENT SIX GMBH, Städeweg 18, 36151, Burghaun, Germany ~72: HABIB SARIDIKMEN;MARKUS BENING;SHUO LU~ 33:GB ~31:2206925.6 ~32:12/05/2022

2024/07773 ~ Complete ~54:ANTI-ROR1 ANTIBODY AND ROR1-TARGETING ENGINEERED CELLS ~71:Caribou Biosciences, Inc., 2929 7th Street, Suite 105, BERKELEY 94710, CA, USA, United States of America ~72: GOLUBOVSKAYA, Vita;WU, Lijun~ 33:US ~31:63/365,230 ~32:24/05/2022

. - APPLIED ON 2024/10/15 -

2024/07860 ~ Provisional ~54:BECOMING PREGNANT (THE NINE COOANDMENTS,PLAN FOR THE DAY) DAIRY ~71:KHOLOFELO MARUPUTLA JUNIOR MASHATOLE, THE LITTLE MANNATTAN,, South Africa ~72: KHOLOFELO MARUPUTLA JUNIOR MASHATOLE~

2024/07819 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING OCULAR DISEASES ~71:Annexon, Inc., 1400 Sierra Point Parkway, Building C, 2nd Floor, BRISBANE 94005, CA, USA, United States of America ~72: FONG, Donald;GROVER, Anita;TAYLOR, Lori;YEDNOCK, Ted~ 33:US ~31:63/336,539 ~32:29/04/2022

2024/07784 ~ Provisional ~54:ADAPTIVE MODULAR APPARATUS & SYSTEM FOR RECYCLING INTERVENTIONS ~71:Theo Arthur, 27 Karee Street, South Africa ~72: Theo Arthur~

2024/07785 ~ Complete ~54:SLURRY COMPOSITION FOR NEGATIVE ELECTRODE OF LITHIUM SECONDARY BATTERY WITH SUPPRESSED GELATION PHENOMENON ~71:ENERTECH INTERNATIONAL, INC., 269, Chungjuhosu-ro, Chungju-si, Republic of Korea ~72: KIM, Jun Il;LEE, Sang Hoon;NAM, Sang Hyun~ 33:KR ~31:10-2023-0146724 ~32:30/10/2023

2024/07786 ~ Complete ~54:AUTOMATIC PAGE-TURNING MUSIC STAND ~71:Shijiazhuang University, No. 288, Qomolangma Street, High-tech Development Zone, Shijiazhuang City, Hebei Province, 050035, People's Republic of China ~72: Zhihui Yu~

2024/07789 ~ Complete ~54:BAGGED SILAGE ADDED WITH TRACE ELEMENTS ~71:NINGXIA YITAI ANIMAL HUSBANDRY CO., LTD., YUANLONG VILLAGE, MINNING TOWN, People's Republic of China ~72: HE, Bincheng;LIU, Hongcai;LIU, Yisha;LIU, Yitai;ZHANG, Yuchen~

2024/07790 ~ 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

2024/07793 ~ Complete ~54:A BRONCHOSCOPIC BIOPSY DEVICE FOR PERIPHERAL PULMONARY LESIONS ~71:The First Affiliated Hospital of Hebei North University, No. 12, Changqing Road, Qiaoxi District,

Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: Baoli Xiang;Bu Wang;Fei Ding;Jianfeng Yang;Jianhua Liu;Mingxue Zhang;Xin Gu~

2024/07859 ~ Provisional ~54:MAKE ME LAUGH ~71:KHOLOFELO MARUPUTLA JUNIOR MASHATOLE, THE LITTLE MANNATTAN,, South Africa ~72: KHOLOFELO MARUPUTLA JUNIOR MASHATOLE~

2024/07792 ~ Complete ~54:A SLEEP STATE MONITORING DEVICE ~71:The First Affiliated Hospital of Hebei North University, No.12, Changqing Road, Qiaoxi District, Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: Fei Ding;Hongyan Zhang;Jing An;Mingxue Zhang;Xin Gu;Zhan Lou~

2024/07795 ~ Complete ~54:CONSTRUCTION DEVICE AND METHOD BASED ON 3D SCANNING FOR EXPRESSWAY PAVEMENT ~71:RAILWAY GROUP 5 MECHANIZATION OF ENGINEERING LIMITED LIABILITY COMPANY, No. 32 Hongtangchong, Zhuhui District, Hengyang City, Hunan Province, People's Republic of China;RAILWAY NO.5 ENGINEERING GROUP CO., LTD, No.23, Zaoshan Road, Yunyan District, Guiyang City, Guizhou Province, People's Republic of China ~72: Chen Mingnan;Chen Shun;Chen Yongan;Deng Shaoqi;Fu Yongxin;Jin Duo;Liu Shaohui;Lv Maofeng;Sun Qianming;Wang Yi;Wu Yanbin;Zhang Hua;Zhang Min;Zhang Shun;Zhao Peng~ 33:CN ~31:202411186105.0 ~32:27/08/2024

2024/07797 ~ Complete ~54:HAIR GROWTH COMPOSITION AND METHOD ~71:Johnson & Johnson Consumer Inc., 199 Grandview Road, SKILLMAN 08558, NJ, USA, United States of America ~72: WU, Jeffrey M.~ 33:US ~31:62/271,405 ~32:28/12/2015;33:US ~31:15/387,643 ~32:21/12/2016

2024/07803 ~ Complete ~54:COMPOUND - DIAGNOSTIC MARKER FOR KIDNEY CANCER, METHOD LOR DETECTING ENZYMATICACTIVITY, METHOD FOR DIAGNOSIS OF KIDNEY CANCER, KIT COMPRISING THE COMPOUND, USES OF THE COMPOUND AND METHOD FOR THE TREATMENT OF KIDNEY CANCER ~71:URTESTE S.A., Ul. Starodworska 1, Poland ~72: GRUBA, Natalia;LESNER, Adam~ 33:PL ~31:P.440976 ~32:20/04/2022

2024/07806 ~ Complete ~54:KIF18A INHIBITOR AND USE THEREOF ~71:WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, Room 705-2, Building C7, No. 666 Gaoxin Road, Wuhan East Lake High-Tech Development Zone, Wuhan, People's Republic of China ~72: CHENG, Zhenqi;DING, Xiaohua;FU, Haoliang;LI, Li'e;LI, Qun;SUN, Xiaochuan;YANG, Jun;ZANG, Yang;ZHANG, Xuejun;ZHAO, Xin~ 33:CN ~31:202210400226.5 ~32:15/04/2022;33:CN ~31:202211042750.6 ~32:29/08/2022;33:CN ~31:202310104625.1 ~32:07/02/2023;33:CN ~31:202310231297.1 ~32:03/03/2023;33:CN ~31:202310387827.1 ~32:07/04/2023

2024/07812 ~ Complete ~54:TRANSACTION AUTHORIZATION AND VERIFICATION THROUGH DISTRIBUTED-LEDGER-BASED CHAIN OF CUSTODY ~71:BANQU, INC., 4100 Heatherton Place, Minnetonka, Minnesota, 55345, United States of America ~72: ASHISH GADNIS;JEFFREY A KEISER;STANISLAV S NATALENKO~ 33:US ~31:63/336,150 ~32:28/04/2022;33:US ~31:18/133,993 ~32:12/04/2023

2024/07817 ~ Complete ~54:CONFERRING CYTOPLASMIC MALE STERILITY ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BORTIRI, Esteban;KELLIHER, Timothy~ 33:US ~31:63/343,657 ~32:19/05/2022

2024/07820 ~ Complete ~54:PYRIDO-[3,4-D]PYRIDAZINE AMINE DERIVATIVES USEFUL AS NLRP3 DERIVATIVES ~71:Ventus Therapeutics U.S., Inc., 100 Beaver Street, Suite 201, WALTHAM 02453, MA, USA, United States of America ~72: CHEFSON, Amandine;CIBLAT, Stéphane;DORICH, Stéphane~ 33:US ~31:17/704,983 ~32:25/03/2022;33:US ~31:63/420,930 ~32:31/10/2022;33:US ~31:63/443,874 ~32:07/02/2023

2024/07824 ~ Provisional ~54:ADAPTIVE RECYCLING SEPARATOR ~71:Theo Arthur, 27 Karee Street, South Africa ~72: Theo Arthur~

2024/07799 ~ Complete ~54:SELF-MONITORING WIRELESS INTERNET OF THINGS ELECTRIC ENERGY METER ~71:Zhejiang Wellsun Intelligent Technology Co.,Ltd., No.109, Yongchang Road, Shifeng Street, Tiantai County, Taizhou City, Zhejiang Province, 317200, People's Republic of China ~72: Chen Yan;Gao Pinghang;Li Junchao;Sun Jiaojiao;Yu Di~

2024/07801 ~ Complete ~54:INTELLIGENT INFORMATION QUESTION-ANSWERING METHOD FOR TOBACCO ENTERPRISES BASED ON KNOWLEDGE GRAPH AND LARGE LANGUAGE MODEL ~71:Hanshan Normal University, Qiaodong, Xiangqiao District, Chaozhou City, Guangdong Province, 521041, People's Republic of China ~72: Liming MIAO;Peitao WANG;Shengyun YANG;Shuwei QIU;Wei HUANG;Xuanrui CHEN;Yinghui ZHU;Zexun ZHOU~ 33:CN ~31:2023114155577 ~32:30/10/2023

2024/07809 ~ Complete ~54:MEASURING DEVICE FOR FATIGUE LIFE OF REFRACTORY-METAL ELASTIC ELEMENT ~71:SHENYANG ACADEMY OF INSTRUMENTATION SCIENCE CO., LTD, No. 242, Beihai Street, Dadong District, Shenyang, Liaoning, 110043, People's Republic of China ~72: CHEN, Yang;FENG, Yanchun;SONG, Linhong;SUN, Ke;YIN, Bo;YU, Xianglin;ZHANG, Quanhou;ZHANG, Wenliang;ZHENG, Hao~ 33:CN ~31:202310884649.3 ~32:19/07/2023

2024/07782 ~ Provisional ~54:A RISER PIPE FOR AN IRRIGATION INSTALLATION ~71:Fluidra Waterlinx (Pty) Ltd, 5 Kruger Street, Denver, Johannesburg 2094, Gauteng, SOUTH AFRICA, South Africa ~72: VAN DER LINDE, Aldo;VAN DER VYVER, Donovan;WILLEMSE, Christiaan~

2024/07794 ~ Complete ~54:A SHAFTLESS FLOATING DRUM MIXER BASED ON PNEUMATIC STIRRING ~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: Hansong Chen;Jianping Qiu;Man Yu;Ting Wu;Xiaozhong Li;Yanhong Tu;Zhao Gao~

2024/07798 ~ Complete ~54:A ROTOR POSITION SENSOR SYSTEM FOR A SLOTLESS MOTOR ~71:ETA Green Power Limited, Hethel Engineering Centre, Chapman Way, HETHEL NR14 8FB, UNITED KINGDOM, United Kingdom ~72: BOWMAN, Liam~ 33:GB ~31:2118458.5 ~32:17/12/2021

2024/07805 ~ Complete ~54:A MECHANICAL POLYOLEFIN RECYCLING PROCESS ~71:BOREALIS AG, Trabrennstrasse 6-8, Vienna, Austria ~72: DENIFL, Peter;GOETZLOFF, Christian;HETTRICH-KELLER, Michael;LAMBERTZ, Oliver;MACHL, Doris;PIETTRE, Kilian;PRIESTERS, Hans-Jürgen;VIJAY, Sameer~ 33:EP ~31:22163635.0 ~32:22/03/2022

2024/07814 ~ Complete ~54:MAPT SIRNA AND USES THEREOF ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE B2340, BELGIUM, Belgium ~72: GUO, Sijin;MOECHARS, Diederik;PRHAVC, Marija;RAMASESHAN, Mahesh;YI, Jin;ZHOU, Lujia~ 33:US ~31:63/320,684 ~32:16/03/2022;33:US ~31:63/320,687 ~32:16/03/2022

2024/07807 ~ Complete ~54:VACUUM FORMING METHOD FOR MEMBRANE-LIKE SUBSTANCE CONTAINING RAISED STRUCTURE BODY AND FORMING DEVICE THEREOF ~71:HAN-CHUNG HSU, No. 497, Sec.2, Tiding Blvd, Neihu Dist., Taiwan (R.O.C) ~72: HSU, Han-Chung~

2024/07781 ~ Provisional ~54:WATER FILTRATION ASSEMBLY ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: GUMBI, Nozipho;MAMBA, Bhekie;NXUMALO, Edward;PEDZISA, Stanford;ZIKALALA, Sithembela~

2024/07791 ~ Complete ~54:TRAUMATIC BRAIN INJURY PROTECTION DEVICES ~71:Q30 SPORTS SCIENCE, LLC, 257 Riverside Avenue, Westport, Connecticut, 06880, United States of America ~72: GEORGE ELVIRA;MARTIN TREMBLAY;STEPHAN GEORGIEV~ 33:US ~31:62/256,093 ~32:16/11/2015

2024/07796 ~ Complete ~54:FENCING ASSEMBLY WITH STIFFENING ELEMENT ~71:GUARDIAR SOUTH AFRICA (PTY) LTD, Units B6 - B10, Berg Rivier Park, Dal Josafat Paarl,, South Africa ~72: VAN DER BERG, Paul Michael;VAN DER WALT, Tjaart~ 33:ZA ~31:2023/10125 ~32:31/10/2023

2024/07800 ~ Complete ~54:MULTI-ROTOR WING AUTOMATIC CONTROL UNMANNED AERIAL VEHICLE SYSTEM ~71:JIAXING VOCATIONAL AND TECHNICAL COLLEGE, No. 1123, Changsheng South Road, Nanhu District, Jiaxing City, Zhejiang Province 314036, People's Republic of China ~72: ZHANG, Yunhui~

2024/07808 ~ Complete ~54:SULPHURIZED METHOD FOR REMOVING MERCURY FROM PYROMETALLURGICAL FLUE GAS ~71:Chuxiong Dianzhong Nonferrous Metals Co., Ltd, Chengjiaba, Development Zone, Chuxiong, Yunnan, 675000, People's Republic of China ~72: Bo SHU;Dafang LIU;Hongquan HUA;Jianguang HUANG;Jianqiang LIU;Junxiang REN;Lei ZHANG~ 33:CN ~31:202310930327.8 ~32:27/07/2023

2024/07811 ~ Complete ~54:POLYESTER RESIN CLOSURES FOR CONTAINERS ~71:ORIGIN MATERIALS OPERATING, INC., 930 Riverside Parkway, Suite 10, West Sacramento, California, 95605, United States of America ~72: JAY CLARKE HANAN;RACHEL HESS~ 33:US ~31:63/333,055 ~32:20/04/2022;33:US ~31:63/340,862 ~32:11/05/2022

2024/07815 ~ Complete ~54:SIRNA FOR SUPPRESSING EXPRESSION OF TRANSFERRIN RECEPTOR-2 ~71:Daiichi Sankyo Company, Limited, 3-5-1, Nihonbashi Honcho, Chuo-ku, TOKYO 1038426, JAPAN, Japan ~72: FUKUNAGA, Taichi;KOIZUMI, Makoto;SHOJI, Takao~ 33:JP ~31:2022-041864 ~32:16/03/2022

2024/07821 ~ Complete ~54:A MULTI-STAGE ADSORPTION RECOVERY METHOD FOR ORGANIC GAS BY BIO-NANO COMPOSITE ACTIVATED CARBON ~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: Ting Wu~

2024/07783 ~ Provisional ~54:GAME TIME ~71:Bulelani Gongxeka, 19 Kruger Road, Kibler Park, South Africa ~72: Bulelani Gongxeka~ 33:ZA ~31:1 ~32:14/10/2024

2024/07787 ~ Complete ~54:BACTERIAL SOLUTION PREPARATION FOR PREPARING OVINE MYCOPLASMA PNEUMONIA VACCINE AND TRIVALENT INACTIVATED VACCINE AGAINST OVINE MYCOPLASMA PNEUMONIA ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22 Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia, 010000, People's Republic of China;Jiuyuan District Animal Husbandry and Fishery Service Center of Baotou City, 5th Floor, West Annex Building, Party and Government Building, Jiuyuan District, Baotou City, Inner Mongolia, 014000, People's Republic of China ~72: BAI, Fan;DAI, Lingli;DALAI, Baolige;FU, Lingfang;GUO, Fucun;LIU, Wei;SONG, Yue;WANG, Na;YANG, Bin;ZHANG, Fan;ZHANG, Yuemei;ZHAO, Shihua~

2024/07788 ~ Complete ~54:CORE TRAY KIT ~71:Daqing Gengmei Plastic Co., Ltd, No. 228, Yitun, Hongwei Village, Lamadian Town, Ranghulu District, Daqing City, Heilongjiang, 163000, People's Republic of China ~72: WANG, Mingjun;YANG, Zuofeng~

2024/07802 ~ Complete ~54:ALTERNATING-POLE VERNIER PERMANENT MAGNET MACHINE ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 318 Liuhe Road, Xihu District, Hangzhou, People's Republic of China ~72: Hui WEN;Shuqi GE~

2024/07804 ~ Complete ~54:A LIVESTOCK STALL DIVERTER SYSTEM ~71:COW-WELFARE A/S, Langkær 15, Denmark ~72: WOLLESEN, Tommy~ 33:EP ~31:22169902.8 ~32:26/04/2022

2024/07810 ~ Complete ~54:TAILINGS STORAGE FACILITY METHOD AND STRUCTURE ~71:ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom ~72: ANTHONY OWEN FILMER;PHILIP DUNCAN NEWMAN~ 33:US ~31:63/333,978 ~32:22/04/2022;33:US ~31:63/340,022 ~32:10/05/2022;33:US ~31:63/408,650 ~32:21/09/2022

2024/07813 ~ Complete ~54:IMAGE SYNTHESIS ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: KROON, Bart;VAREKAMP, Christiaan~ 33:EP ~31:22162512.2 ~32:16/03/2022

2024/07816 ~ Complete ~54:EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) TYROSINE KINASE INHIBITORS IN COMBINATION WITH AN AKT INHIBITOR FOR THE TREATMENT OF CANCER ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: FLOCH, Nicolas;GRAZINI, Ursula;MARTIN, Matthew Joseph;SMITH, Paul David~ 33:US ~31:63/325,861 ~32:31/03/2022

2024/07818 ~ Complete ~54:CONDENSED BICYCLIC HETEROAROMATIC COMPOUNDS AND THEIR USE IN THE TREATMENT OF CANCER ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: LIANG, Yufan;MLYNARSKI, Scott Nathan;VERANO, Alyssa Leigh;ZHENG, Xiaolan~ 33:US ~31:63/363,743 ~32:28/04/2022;33:US ~31:63/370,403 ~32:04/08/2022;33:US ~31:63/486,592 ~32:23/02/2023

2024/07825 ~ Provisional ~54:ADAPTIVE RECYCLING CADDY & SYSTEM ~71:Theo Arthur, 27 Karee Street, South Africa ~72: Theo Arthur~

. - APPLIED ON 2024/10/16 -

2024/07838 ~ Complete ~54:INDOLE-FUNCTIONALIZED BISPHOSPHORAMIDITES, METHODS FOR THE PREPARATION THEREOF, AND RHODIUM-LIGAND COMPLEX ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way Midland, United States of America ~72: BERNALES, Varinia;BISWAS, Souvagya;BRAMMER, Michael A.;FIGUEROA, Ruth;FROESE, Robert;SPINNEY, Heather~ 33:US ~31:63/330,571 ~32:13/04/2022

2024/07844 ~ Complete ~54:CHEMICAL RECYCLING PROCESS COMPRISING MELTING, PYROLYSIS AND CRACKING WASTE PLASTIC ~71:Eastman Chemical Company, 200 South Wilcox Drive, KINGSPORT 37660, TN, USA, United States of America ~72: BITTING, Daryl;POLASEK, Michael Gary;SLIVENSKY, David Eugene;WU, Xianchun~ 33:US ~31:63/269,487 ~32:17/03/2022

2024/07850 ~ Complete ~54:WOUND CORE ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: MIZUMURA, Takahito;MOGI, Hisashi;TAKAHASHI , Masaru~ 33:JP ~31:2022-100293 ~32:22/06/2022

2024/07853 ~ Complete ~54:INDOLINE DERIVATIVES AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO ~71:Mindset Pharma Inc., 217 Queen Street West, Suite 401, TORONTO M5V 0R2, ONTARIO, CANADA, Canada ~72: ARAUJO, Joseph A.;SLASSI, Abdelmalik~ 33:US ~31:63/332,450 ~32:19/04/2022

2024/07829 ~ Complete ~54:A PERSONAL HEATING DEVICE ~71:BOUCKAERT, Karel, 24 NON PAREILLE STREET, PAARL, SOUTH AFRICA, South Africa ~72: BOUCKAERT, Karel~

2024/07839 ~ Complete ~54:AVOIDING PROHIBITED SEQUENCES OF MATERIALS PROCESSING AT A CRUSHER USING PREDICTIVE ANALYTICS ~71:CATERPILLAR INC., 100 NE Adams Street, United States of

America ~72: BANHAM, Mark H. C.;BROCKHURST, Russell A.;HARPOUR, John S.;WESLEY, Carla L.~ 33:US ~31:17/659,077 ~32:13/04/2022

2024/07841 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING PARTICLES WITH A HIGH MAGNESIUM CONTENT FROM SEA WATER ~71:RAINER POMMERSHEIM, Am Berstädter Grabenweg 4 b, 55252, Mainz-Kastel, Germany ~72: DENIS BREUCH;HOLGER LÖWE;RAINER POMMERSHEIM~ 33:DE ~31:10 2022 108 490.6 ~32:07/04/2022;33:DE ~31:10 2023 100 537.5 ~32:11/01/2023

2024/07837 ~ Complete ~54:VISCOUS CLUTCH WITH FRONT-MOUNTED ELECTROMAGNETIC COIL, MODULAR VALVE AND FRONT HUB SUBASSEMBLIES FOR A VISCOUS CLUTCH, AND METHOD OF MAKING ~71:HORTON, INC., 2565 WALNUT STREET, ROSEVILLE, MINNESOTA 55113, USA, United States of America ~72: ACKERMANN, Jonathan~ 33:US ~31:63/269,873 ~32:24/03/2022

2024/07826 ~ Provisional ~54:AN ARTICLE SUPPORT ~71:BRYAN RAEL NATHAN, 108 Avondale Street, Sydenham, Johannesburg, South Africa ~72: BRYAN RAEL NATHAN~

2024/07832 ~ Complete ~54:CLASSIFICATION METHOD AND SYSTEM FOR GNATHIC FIBROUS DYSPLASIA AND OSSIFYING FIBROMA ~71:PEKING UNIVERSITY SCHOOL OF STOMATOLOGY, 22 Zhongguancun South Street, Haidian District, People's Republic of China ~72: LI, Tiejun;SUN, Lisha;SUN, Zhipeng;WANG, Shuo;XUE, Jiang;ZHANG, Aobo;ZHANG, Heyu;ZHANG, Wenyi;ZHAO, Junru~

2024/07835 ~ Complete ~54:FRICTION CONVEYANCE DEVICE AND PAPER SHEET CONVEYANCE DEVICE ~71:JAPAN CASH MACHINE CO., LTD., 2-11-18 NAMBANAKA, NANIWA-KU, OSAKA-SHI, OSAKA 5560011, JAPAN, Japan ~72: HARAGUCHI, Kohei~ 33:JP ~31:2022-046947 ~32:23/03/2022

2024/07843 ~ Complete ~54:COMPOUNDS FOR THE TARGETED DEGRADATION OF SMARCA2 ~71:C4 THERAPEUTICS, INC., 490 Arsenal Way, Suite 120, Watertown, Massachusetts, 02472, United States of America ~72: ALEXANDER W HIRD;ANDREW CHARLES GOOD;CHRISTOPHER G NASVESCHUK;EUNICE SUN PARK;HONGWEI HUANG;JAMES A HENDERSON;KATRINA L JACKSON;KIEL LAZARSKI;NING YIN;RICHARD WENDEL DEIBLER;SCOTT JOSEPH ERON;YANKE LIANG~ 33:US ~31:63/352,444 ~32:15/06/2022

2024/07851 ~ Complete ~54:CONTROLLING OPERATION OF A WORK MACHINE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: AALTO, Tommi;CUMINI, Lauso;HERRALA, Juha;LAHTINEN, Juha;PAJALA, Esa~ 33:EP ~31:22169751.9 ~32:25/04/2022

2024/07854 ~ Complete ~54:ANTI-ATHEROSCLEROTIC NANOPARTICLE BASED ON DTRIM24 BIOCOMPATIBILITY ~71:THE THIRD AFFILIATED HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAL PREGNANT WOMEN; GUANGZHOU ROUJI HOSPITAL), No.63 Duobao Road, Liwan District,, Guangzhou, Guangdong, 510150, People's Republic of China ~72: HUANG, Jionghua;JIANG, Zhuoqiao~

2024/07858 ~ Complete ~54:PLASMA PATHOGEN INACTIVATION TREATMENT METHOD BASED ON RIBOFLAVIN PHOTOCHEMICAL METHOD ~71:NANJING SHUANGWEI BIOTECHNOLOGY CO., LTD., 1 Gaoke 8th Road, Jiangbei New District, Nanjing City, People's Republic of China ~72: Guofeng XIAO;Jun ZHOU;Qing PAN;Qinling HE;Ting ZHAO;Weichao PAN;Yiwei WANG;Zheng LI;Zhengfang HU~ 33:CN ~31:202210020012.5 ~32:10/01/2022

2024/07855 ~ Complete ~54:COMPOSITION, METHOD FOR PREPARING SAME, AND USE THEREOF ~71:Shenzhen AntiV Pharma Co., Ltd., Room 1904,Building 10,Shenzhen Biomedical Innovation Industrial

Park,No.14 Jinhui Road,Jinsha Community,Kengzi Street,Pingshan District, Shenzhen, People's Republic of China ~72: LI Guanguan;LI Shuo;LIU Xinjun~ 33:CN ~31:202210354088.1 ~32:06/04/2022

2024/07861 ~ Provisional ~54:A COMPOSITION ,USING A PLANT EXTRACT,AN ALUMINOSILICATE MINERAL AND AN ARTIFICIAL SWEETENER,FOR THE PREVENTION AND TREATMENT OF DIARRHEA IN YOUNG MAMMALIAN ANIMALS. ~71:Excelsior Trust (IT3790/00), Unit 8, 1st Floor, Block E, Centurion Gate Business Park 126 Akkerboom Street,, South Africa ~72: HENDRIK JACOBUS KRIEL 540401 5004 087~

2024/07840 ~ Complete ~54:INTERVENTIONAL BLOOD PUMP WITH OUTLET FLOW GUIDE STRUCTURE ~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;HAN, Zhifu;MA, Hongbi;SONG, Guogang;WANG, Chao;WANG, Xian;ZHANG, Xuman~ 33:CN ~31:202210992732.8 ~32:18/08/2022;33:CN ~31:202222175608.0 ~32:18/08/2022

2024/07845 ~ Complete ~54:MASTERBATCH COMPOSITIONS AND THEIR USE ~71:Milliken & Company, 920 Milliken Road, SPARTANBURG 29303, SC, USA, United States of America ~72: ADETUNJI, Philip;EGAN, Brian~ 33:AU ~31:2022900898 ~32:06/04/2022;33:AU ~31:2023900832 ~32:24/03/2023;33:AU ~31:2023900833 ~32:24/03/2023

2024/07849 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AND USES THEREOF ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: LI, Liansheng;LI, Xiaoming;LIU, Yuan;REN, Pingda~ 33:US ~31:63/338,387 ~32:04/05/2022;33:US ~31:63/491,723 ~32:22/03/2023

2024/07852 ~ Complete ~54:INDOLINE DERIVATIVES AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO ~71:Mindset Pharma Inc., 217 Queen Street West, Suite 401, TORONTO M5V 0R2, ONTARIO, CANADA, Canada ~72: ARAUJO, Joseph A.;SLASSI, Abdelmalik~ 33:US ~31:63/332,450 ~32:19/04/2022

2024/07830 ~ Complete ~54:TYROSINE KINASES INHIBITORS AND USES THEREOF ~71:GREAT NOVEL THERAPEUTICS BIOTECH & MEDICALS CORPORATION, 16F.-5, No. 508, Sec. 7, Zhongxiao E. Rd., Nangang Dist., Taipei City, 115011, Taiwan, Province of China ~72: CHENG-HAN CHOU;CHIA-NAN CHEN;JIA-SHIONG CHEN;MU-HSUAN YANG;SZ-HAO CHU;YE-SU CHAO;YI-HONG WU~ 33:US ~31:63/590,975 ~32:17/10/2023

2024/07834 ~ Complete ~54:COMMUNICATION DEVICE AND COMMUNICATION METHOD ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: HORIUCHI, Ayako;NUNOME, Tomoya;SUZUKI, Hidetoshi~ 33:JP ~31:2022-069209 ~32:20/04/2022

2024/07846 ~ Complete ~54:PROCESS OF PREPARING MASTERBATCH COMPOSITIONS AND THEIR USE ~71:Milliken & Company, 920 Milliken Road, SPARTANBURG 29303, SC, USA, United States of America ~72: ADETUNJI, Philip;EGAN, Brian~ 33:AU ~31:2022900898 ~32:06/04/2022;33:AU ~31:2023900832 ~32:24/03/2023;33:AU ~31:2023900833 ~32:24/03/2023

2024/07848 ~ Complete ~54:DEUTERATED DOMPERIDONE FOR TREATING GASTROPARESIS ~71:CinDome Pharma, Inc., 5375 Medpace Way, CINCINNATI 45227, OH, USA, United States of America ~72: BOND, Mary;DORAN, Brendan;ISAACSOHN, Jon;MURPHY, Brian~ 33:US ~31:63/333,034 ~32:20/04/2022;33:US ~31:63/333,042 ~32:20/04/2022

2024/07856 ~ Complete ~54:SWING-TYPE WING PLATE STRUCTURE PROVIDING HULL WITH BUOYANCY, AND HULL HAVING WING PLATE STRUCTURE ~71:ANHUI ANHUA MACHINERY TECHNOLOGY CO., LTD.,

No. 357, Guoyuan Road, Xiaobengbu Industrial Park, Huaishang District Bengbu, Anhui 233000, People's Republic of China ~72: LIU, Anding;TANG, Xuming~ 33:CN ~31:202210022654.9 ~32:10/01/2022

2024/07857 ~ Complete ~54:EMULSION FORMULATIONS OF POORLY WATER-SOLUBLE COMPOUNDS ~71:MENNING, Mark Michael, 672 Woodbine Dr., San Rafael, California, 94903, United States of America ~72: MENNING, Mark Michael~ 33:US ~31:63/331,628 ~32:15/04/2022

2024/07828 ~ Complete ~54:FILTER SLEEVE FOR A LIQUID FILTER ELEMENT ~71:SCHEWITZ, Larry, 4 Dick King Road, Wilsonia, South Africa ~72: SCHEWITZ, Larry~

2024/07833 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING SNCA EXPRESSION ~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72: BROWN, Bob, Dale;CHEONG, Seongmoon;COSTALES, Matthew, Guese;DUDEK, Henryk ,T.;GRIM, Travis;JUNG, Maire;WANG, Shiyu~ 33:US ~31:63/364,639 ~32:13/05/2022

2024/07842 ~ Complete ~54:DISCHARGE ARRANGEMENT AND METHOD FOR HORIZONTAL FILTRATION EQUIPMENT AND HORIZONTAL FILTRATION EQUIPMENT ~71:METSO FINLAND OY, Rauhalanpuisto 9, Espoo, 02230, Finland ~72: LARS GRÖNVALL~ 33:EP ~31:22172992.4 ~32:12/05/2022

2024/07847 ~ Complete ~54:FOAM CUSHIONS HAVING AN ORTHOGONAL ALTERNATING STRUCTURE ~71:Ziwi LLC, 801 S. 1230 E., ALPINE 84004, UT, USA, United States of America ~72: PEARCE, Tony M.~ 33:US ~31:63/342,223 ~32:16/05/2022;33:US ~31:18/315,079 ~32:10/05/2023

2024/07827 ~ Provisional ~54:BATTERY CONNECTOR ~71:COETZEE, Renier, Plot 45 A, Elandsfontein, Eco Park, South Africa ~72: COETZEE, Bennie;COETZEE, Renier~

2024/07831 ~ Complete ~54:A METHOD AND SYSTEM FOR ANALYZING CROSSTALK NOISE IN COUPLED ON-CHIP INTERCONNECTS ~71:Dr. Bhaskar Gugulothu, Department of ECE, Vignana Bharathi Institute of Technology (Autonomous) JNTUH, Hyderabad - 501301, Telangana State, India;Prof. Rajendra Naik Bhukya, Department of ECE, University College of Engineering (Autonomous) Osmania University, Hyderabad - 500 007, Telangana State, India ~72: Dr. Bhaskar Gugulothu;Prof. Rajendra Naik Bhukya~

2024/07836 ~ Complete ~54:TAPERED ADAPTER FOR ROTATABLE ASSEMBLY AND ASSOCIATED METHOD ~71:HORTON, INC., 2565 WALNUT STREET, ROSEVILLE, MINNESOTA 55113, USA, United States of America ~72: REMICK, William;WENTZEL, Cody~ 33:US ~31:63/269,874 ~32:24/03/2022

2024/07899 ~ Provisional ~54:BATTERY ROTATION SWITCH ~71:Kobus van Loggrenberg, 448 Peerboom Street, Doornpoort, South Africa ~72: Kobus van Loggrenberg~ 33:ZA ~31:0 ~32:15/10/2024

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2024/07864 ~ Provisional ~54:RIFLE CHAMBER GAUGE ~71:VAN ROOYEN, Francois, 10 SANDVELD STREET, SUNSET PARK, SECUNDA, MPUMALANGA, 2302, SOUTH AFRICA, South Africa ~72: VAN ROOYEN, Francois~

2024/07868 ~ Provisional ~54:DIGITALIZATION ROLLING STOCK COUPLING MECHANISM ~71:SATESH, 2339 KARIBBIESE AVENUE 2339 KRIBBIESE AVENUE, South Africa ~72: SATESH~

2024/07873 ~ Complete ~54:A BODY POSITION ADJUSTING DEVICE FOR PATIENTS WITH SEVERE RESPIRATORY DISEASE ~71:The First Affiliated Hospital of Hebei North University, No.12, Changqing Road, Qiaoxi District, Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: Bu Wang;Cuiling Wen;Fang Zou;Hongxia Zhang;Kailun Xu;Xiaocui Peng;Zhihua Zhang~

2024/07886 ~ Complete ~54:CYCLIC COMPOUND HAVING SELECTIVE KRAS INHIBITORY EFFECT ON HRAS AND NRAS ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: HASHIMOTO, Satoshi;HAYASHI, Ryuji;KAGE, Mirai;KAWADA, Hatsuo;KOTAKE, Tomoya;MORITA, Yuya;TAKANO, Koji;TAMIYA, Minoru;WAKAMIYA, Yuma~ 33:JP ~31:2022-076449 ~32:06/05/2022

2024/07866 ~ Provisional ~54:FUNCTIONALISED NANOPARTICLES FOR ANTIMICROBIAL THERAPY ~71:University of the Witwatersrand, Johannesburg, 1 Jan Smuts Avenue, Braamfontein, 2001, SOUTH AFRICA, South Africa ~72: CHOONARA, Yahya;KHOZA, Leon;KUMAR, Pradeep~

2024/07869 ~ Provisional ~54:PERSONAL SECURITY SWITCH ~71:SATESH, 2339 KARIBBIESE AVENUE 2339 KRIBBIESE AVENUE, South Africa ~72: SATESH~

2024/07874 ~ Complete ~54:A FUNCTIONAL UNIT OF A MATRIX MASSAGE DEVICE ~71:The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine), No. 1478, Gongnong Road, Chaoyang District, Changchun City, Jilin Province, 130021, People's Republic of China ~72: Ailin Li;Dongze Wu;Jiangchun Zhang;Jiayue Xu;Li Dong;Mingjun Jiang;Na Zhang;Tingting Pang;Yufeng Wang~

2024/07878 ~ Complete ~54:DEVICE AND METHOD FOR FLEXIBLY PROCESSING WOOD MEMBERS ~71:Research Institute of Wood Industry, Chinese Academy of Forestry, No.1 Dongxiaofu, Xiangshan Road, Haidian District, Beijing 100091, People's Republic of China ~72: Dai Qinglong;Guo Qingpeng;Yi Jiaping;Yu Hang;Yu Leyuan;Zhang Bowen;Zhang Changqing~

2024/07884 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ALLEVIATING CONDITIONS CAUSED BY ABNORMAL SUBCUTANEOUS DEPOSIT OF ADIPOSE TISSUE OR FAT ~71:CALIWAY BIOPHARMACEUTICALS CO., LTD., 32F.-9, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 221, People's Republic of China ~72: YU-FANG LING~ 33:US ~31:63/342,284 ~32:16/05/2022

2024/07890 ~ Complete ~54:METHODS OF ADMINISTERING MYOSIN INHIBITORS ~71:MyoKardia, Inc., 1000 Sierra Point Parkway, BRISBANE 94005, CA, USA, United States of America ~72: CHEUNG, Michael;LOCKMAN, Jeffrey;MERALI, Samira;PAPI, Marie-Laure;PERERA, Vidya V.;SEHNERT, Amy;SETO, Dewey~ 33:US ~31:63/335,028 ~32:26/04/2022;33:US ~31:63/335,209 ~32:26/04/2022;33:US ~31:63/336,254 ~32:28/04/2022

2024/07894 ~ Complete ~54:TREATING DISEASES AND DISORDERS WITH IRAK4-MODIFYING COMPOUNDS ~71:Curis, Inc., 128 Spring Street, Building C, Suite 500, LEXINGTON 02421, MA, USA, United States of America ~72: MARTELL, Robert;UGOLKOV, Andrey~ 33:US ~31:63/340,692 ~32:11/05/2022

2024/07897 ~ Provisional ~54:HEALTH APP/GUIDER ~71:LEHLOMELA MOTHA, 9 THOMAS STREET, MEREDALE, South Africa ~72: LEHLOMELA MOTHA~

2024/07896 ~ Complete ~54:COMPOSITE EXTRUSION FORMING APPARATUS FOR CONICAL BODIES AND EXTRUSION FORMING METHOD ~71:NORINCO GROUP AIR AMMUNITION RESEARCH INSTITUTE CO., LTD., No. 65 Nanzhi Road, Xiangfang, Harbin, People's Republic of China ~72: DONG, Jingxiong;FENG, Yekun;LIU, Jie;WANG, Zijun;YANG, Nian;YU, Renjie~ 33:CN ~31:202410157186.5 ~32:04/02/2024

2024/07865 ~ Provisional ~54:A WEARABLE DEVICE FOR ACCURATELY MONITORING INDIVIDUAL CLIMATE EXPOSURES ~71:BRINK, NICHOLAS BRIAN, 23 Eastwood Road, Dunkeld, South Africa ~72: BRINK, NICHOLAS BRIAN~

2024/07870 ~ Provisional ~54:RETAILERS CUSTOMER LOYALTY OPTION FOR CUSTOMERS TO INVEST THEIR LOYALTY POINTS INTO SHARES (SHAREIT ™) ~71:SATESH, 2339 KARIBBIESE AVENUE 2339 KRIBBIESE AVENUE, South Africa ~72: SATESH~

2024/07875 ~ Complete ~54:A MULTIFUNCTIONAL MATRIX WHOLE BODY MASSAGE DEVICE ~71:The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine), No. 1478, Gongnong Road, Chaoyang District, Changchun City, Jilin Province, 130021, People's Republic of China ~72: Ailin Li;Dongze Wu;Jiangchun Zhang;Jiayue Xu;Li Dong;Mingjun Jiang;Na Zhang;Tingting Pang;Yufeng Wang~

2024/07881 ~ Complete ~54:METHOD AND COMPOSITION OF SYNERGISTIC INSECTICIDAL MIXTURES ~71:PRO FARM GROUP, INC., 1540 Drew Avenue, Davis, California, 95618, United States of America ~72: ASOLKAR, Ratnakar N.;BURMAN, Scott;RAMIREZ, Walter~ 33:US ~31:63/336,021 ~32:28/04/2022

2024/07888 ~ Complete ~54:IMPLANTS, INSTRUMENTS, AND METHODS OF USE ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: HUNT, Richard David;MCMAHAN, Lucas Charles;SCHMIDT, Michael~ 33:US ~31:63/269,934 ~32:25/03/2022;33:US ~31:63/480,416 ~32:18/01/2023

2024/07892 ~ Complete ~54:LAUNDRY COMPOSITION COMPRISING SPORES ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: LANT, Neil Joseph~ 33:EP ~31:22174452.7 ~32:19/05/2022

2024/07872 ~ Complete ~54:COMPENSATED CONCRETE LINING OF TUNNEL FOR PREVENTING ARCH CAVITIES AND APPLICATION PROCESS THEREOF ~71:CHINA RAILWAY INVESTMENT GROUP CO., LTD., 3rd Courtyard, Automobile Museum South Road, Fengtai District, Beijing, 100160, People's Republic of China;CHINA RAILWAY TUNNEL BUREAU GROUP JILIN ENGINEERING CO., LTD., Room 701, 7F, Civic Building, (Intersection of Yan'an Road and Huxi Road) No. 1149 Yan'an Road, Chaoyang District, Changchun, Jilin, 130012, People's Republic of China;CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD., Yard 9, Guangqumenwai Street, Chaoyang District, Beijing, 100022, People's Republic of China;CHINA RAILWAY TUNNEL GROUP CO., LTD., No. 2, West Side of Gongye 4th Road, Mingzhuwan Starting Area, Nansha District, Guangzhou, Guangdong, 511458, People's Republic of China;CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., No. 86, Zhonghuan West Road, (Airport Economic Zone) Pilot Free Trade Zone, Tianjin, 300308, People's Republic of China;CHONGQING JIAOTONG UNIVERSITY, No. 66, Xuefu Road, Nan' an District, Chongqing, 400074, People's Republic of China ~72: BAOLI ZANG;GUOJUN DIAO;HAIYANG TIAN;HE SUN;HONGJIA XIAO;HUAPENG ZHANG;JIANDONG YAO;LIANG SUN;LIANGWEN WEI;LIYANG SHAO;MINGQING PANG;QIANJIN ZHANG;QIQUAN TAO;SHI LIU;WEI JIANG;XIN QIN;YANG LI;YAXIONG PENG;YONGWEI QIAO;ZHIZHONG LI~ 33:CN ~31:202311793930.2 ~32:25/12/2023

2024/07879 ~ Complete ~54:URBAN ROAD PERMEABLE TREATMENT DEVICE FOR FLOOD PREVENTION ~71:Hohai University, No. 1, Xikang Road, Gulou District, Nanjing City, Jiangsu Province, 210000, People's Republic of China ~72: Zhao Ximo~

2024/07880 ~ Complete ~54:EGFR INHIBITORS IN CANCER TREATMENT ~71:CELYN THERAPEUTICS, INC, 12730 High Bluff Drive, Suite 100, United States of America ~72: ABAGYAN, Ruben;IVACHTCHENKO, Alexandre Vasilievich;KHVAT, Alexander;SAVCHUK, Nikolay;VASILEVICH, Natalia I.~ 33:US ~31:63/332,835 ~32:20/04/2022

2024/07883 ~ Complete ~54:DOUBLE-FOUNDATION-PIT DOUBLE-WORKING-CONDITION CONSTRUCTION METHOD ~71:CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP (ZHEJIANG) CO., LTD.,

Room 1020, Building 5, Pinggao Entrepreneurial City, Liangzhu Street, Yuhang District, Hangzhou, Zhejiang 311100, People's Republic of China;THE THIRD CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION THIRD ENGINEERING BUREAU, No.2, Guannanyuan Road, Hongshan District, Wuhan, Hubei 430074, People's Republic of China ~72: HAIWEI SUN;JINHAO CHEN;KAI CHEN;LIANG ZHAO;PENGCHAO YOU;XIAHUA LIN;XIAOFENG MEI;YAJUN HUANG;YANG SHI;YANHUI WANG;YING LI~ 33:CN ~31:202211001529.6 ~32:19/08/2022

2024/07885 ~ Complete ~54:LAUNDRY LIQUID COMPOSITION COMPRISING A SURFACTANT, AN AMINOCARBOXYLATE, AN ORGANIC ACID AND A FRAGRANCE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ALISON CUMMINS;CRAIG WARREN JONES;KATHERINE MARY THOMPSON~ 33:EP ~31:22175695.0 ~32:27/05/2022

2024/07871 ~ Complete ~54:METHOD OF MONOPTERUS ALBUS ZUIEW REPRODUCE IN SHALLOW WATER WITHOUT SOIL ~71:Shanghai Academy of Agricultural Sciences, No.1000, Jinqi Road, Fengxian District, Shanghai, 201403, People's Republic of China;Shanghai Ying Tun Agricultural Technology Company, Limited, Room 405, Building 1, Lane 461, Wuyi Road, Shanghai, 200050, People's Republic of China ~72: Hang Yang;Quan Yuan;Weiwei Huang;Weiwei Lv;Wenzong Zhou;Yaqin Liu;Yichen Qiu~

2024/07876 ~ Complete ~54:AN ADJUSTABLE MATRIX MASSAGE DEVICE ~71:The Affiliated Hospital to Changchun University of Chinese Medicine (Jilin Provincial Hospital of Traditional Chinese Medicine), No. 1478, Gongnong Road, Chaoyang District, Changchun City, Jilin Province, 130021, People's Republic of China ~72: Ailin Li;Dongze Wu;Jiangchun Zhang;Jiayue Xu;Li Dong;Mingjun Jiang;Na Zhang;Shuang Yang;Tingting Pang;Yufeng Wang~

2024/07887 ~ Complete ~54:A COIL AND A METHOD OF SPECIFYING A GEOMETRY OF THE COIL ~71:DeepSpin GmbH, Kurfürstenstraße 56, BERLIN 10785 , GERMANY, Germany ~72: FELIX, Kreis;HENRIK, Gothen;PEDRO FREIRE, Silva;RICHARD, Reznicek~ 33:LU ~31:LU501776 ~32:01/04/2022;33:LU ~31:LU502058 ~32:10/05/2022

2024/07891 ~ Complete ~54:PI3KA INHIBITORS ~71:Synnovation Therapeutics, Inc., 200 Powder Mill Road E500-1801, WILMINGTON 19803, DE, USA, United States of America ~72: BAI, Yu;LI, Yu;PAN, Jun;QI, Chao;WU, Liangxing;YAO, Wenqing;YOU, Lin;ZHENG, Hewen;ZHOU, Fei~ 33:US ~31:63/333,104 ~32:20/04/2022;33:US ~31:63/405,050 ~32:09/09/2022;33:US ~31:63/426,139 ~32:17/11/2022;33:US ~31:63/439,734 ~32:18/01/2023

2024/07895 ~ Complete ~54:ALIGNMENT OF MACHINE TO INSTALL STEERING FRAME LOCK ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BERNING, Beau James;BROOKER, Jed;DENNING, Dustin Dale;MADERA, Robert Joseph;ROBINSON, Mark A.;SCHERBINSKE, Robert A.;SHOCKENCY JR. Robert E.~ 33:US ~31:17/726,073 ~32:21/04/2022

2024/07863 ~ Provisional ~54:WATER GEN ~71:MAAPEYA MAKOBE STEVEN, 1124 sekhukhune 50280, South Africa ~72: MAAPEYA MAKOBE STEVEN~

2024/07867 ~ Provisional ~54:BICYCLE THEFT DETERRENT DEVICE ~71:Andrea Holing, 1 Barracouta Bend, South Africa;Mark Holing, 1 Barracouta Bend, South Africa ~72: Maurice Hill~

2024/07877 ~ Complete ~54:LIGHTWEIGHT CERAMIC FILTRATION MEMBRANE AND PREPARATION METHOD THEREOF ~71:Jingdezhen Market Supervision and Administration Comprehensive Inspection and Testing Center, Building 28, North Garden, Development Center, Hongwen Road, Changjiang District, Jingdezhen City, Jiangxi Province, 333032, People's Republic of China ~72: Shao Chuan;Song Ming;Xu Wenya;Xu Yinan;Yu Yongkang;Zheng Huijie~

2024/07882 ~ Complete ~54:MONITORING THE TECHNICAL CONDITION OF CONVEYOR BELT COMPONENTS ~71:Aleksey Gennadevich PRIDOROZHNYI, ul. Bolshaya Filevskaya, d.3, korp.4, kv.235, Moscow, Russian Federation ~72: Aleksey Gennadevich PRIDOROZHNYI~ 33:RU ~31:2022114413 ~32:28/05/2022

2024/07889 ~ Complete ~54:METHOD FOR INCUBATING A POULTRY EGG ON A HATCHERY ~71:HatchTech Group B.V., Innovatielaan 3, DE KLOMP 6745 XW , THE NETHERLANDS, Netherlands ~72: METER, Tjitze~ 33:NL ~31:2031679 ~32:22/04/2022

2024/07893 ~ Complete ~54:ATR INHIBITORS ~71:Aprea Therapeutics, Inc., 1040 Glendevon Drive, AMBLER 19002, PA, USA, United States of America ~72: GILAD, Oren;JIA, Lanqi;LI, Dansu;VACCA, Joseph~ 33:US ~31:63/330,944 ~32:14/04/2022

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2024/07909 ~ Complete ~54:BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR A PLACED ON A VERTICAL SURFACE PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT ~71:MOSALOVA Tatiana Nikolaevna, ul. Novoslobodskaya, d. 73/68, str. 5, kv. 207, Moscow, 127055, Russian Federation ~72: MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2024128073 ~32:23/09/2024

2024/07917 ~ Complete ~54:PIG SPERM HIGH-EFFICIENT PRESERVATIVE CONTAINING TECTORIGENIN AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Institute of Animal Husbandry , Henan Academy of Agricultural Sciences, NO.116,Huayuan Road, Jinshui District, Zhengzhou city, Henan Province, People's Republic of China ~72: LYU Lingyan;REN Qiaoling;SHEN Ming;WANG Xianwei;XING Baosong;YAN Xiangzhou;ZHANG Jiaqing~

2024/07926 ~ Complete ~54:NOVEL ESTERS OF 1,2,3,4,4A,5,6,7,8,9,10,10A-DODECAHYDROBENZO[G]QUINOLIN-6-OL COMPOUNDS AND USES THEREOF ~71:INTEGRATIVE RESEARCH LABORATORIES SWEDEN AB, Arvid Wallgrens Backe 20, SE-413 46, Göteborg, Sweden ~72: CLAS SONESSON;SVERKER VON UNGE~ 33:SE ~31:2250493-0 ~32:25/04/2022;33:SE ~31:2250792-5 ~32:23/06/2022

2024/07903 ~ Provisional ~54:A WINDOW ASSEMBLY ~71:AWESOME PROJECTS (PTY) LTD, 6b Granofier Ave, Zwartkops X8, South Africa ~72: DOS SANTOS, Brent Mario~

2024/07905 ~ Provisional ~54:RAZOR WIRE ~71:COCHRANE INDUSTRIES UK LIMITED, 132 Hartlebury Trading Estate, Hartlebury, United Kingdom ~72: BUCARIZZA, Vlado~

2024/07911 ~ Complete ~54:IMAGE ACQUISITION DEVICE FOR ELECTRONIC COMPONENT DETECTION ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Chen Hanchen;Qian Yuezhong;Qiu Jianshu;Xiang Chaohui~

2024/07914 ~ Complete ~54:A DIGITAL CONTROL SYSTEM FOR CUSTOMIZED MANUFACTURING OF FOOTWEAR ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Chai Hongju;Liu Jian~

2024/07920 ~ Complete ~54:FUNGAL MATERIALS ~71:PLANT MATERIAL LIMITED, Unit 7, Christmas Hill Business Park, United Kingdom ~72: JELECEVIC, Mihael;WELLHAM, Peter A. D.~ 33:GB ~31:2208263.0 ~32:06/06/2022

2024/07922 ~ Complete ~54:RECONFIGURATION OF DIESEL-POWERED HAUL TRUCK WITH HYBRID HYDROGEN FUEL CELL AND BATTERY POWER SUPPLY ~71:FIRST MODE IPP LIMITED, 10 Bloomsbury

Way, London, WC1A 2SL, United Kingdom ~72: ALEXIS R HUMANN;DAVID T GERHARDT;HARLAN THOMAS KUO;JOSHUA M SWEERE;LARISSA V KUNZ;SPENCER M ANUNSEN~ 33:US ~31:63/334,297 ~32:25/04/2022;33:US ~31:18/180,042 ~32:07/03/2023

2024/07924 ~ Complete ~54:HETEROARYL COMPOUNDS FOR THE TREATMENT OF PAIN ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ADAM SCHARF;ALEXANDER FREDERIK KINTZER;ANTON V GULEVICH;DAVID ROBERT SLOCHOWER;DENNIS JAMES HURLEY;ELAMPRAKASH NESAN SAVARIAR;ELIZABETH, MARY BECK;EWA, IWONA CHUDYK;JASON MCCARTNEY;JINGLAN ZHOU;JOANNE, LOUISE PINDER;JOE A TRAN;KATHLEEN AERTGEERTS;MARK THOMAS MILLER;PETER WEBB;ROBERT MARTIN DEMORET;ROMAN ASKATOVICH VALIULIN;RONALD MARCELLUS ALPHONSUS KNEGTEL;SARA SABINA HADIDA RUAH;TIMOTHY, DONALD NEUBERT;URVI PATEL;YOSHIHIRO ISHIHARA~ 33:US ~31:63/333,873 ~32:22/04/2022

2024/07931 ~ Complete ~54:MUTANT CD24 PROTEINS AND USES THEREOF FOR PROPHYLAXIS AND TREATMENT OF CANCER ~71:OncoC4, Inc., 9640 Medical Center Drive, ROCKVILLE 20850 , MD, USA, United States of America;University of Maryland, Baltimore, Office of Technology Transfer, 620 W. Lexington St., 4th Floor, BALTIMORE 21201, MD, USA, United States of America ~72: CHEN, Changhung;CHOU, Hung-Yen;DEVENPORT, Martin;LIU, Yang;MUTHANA, Musleh;ZHENG, Pan~ 33:US ~31:63/332,815 ~32:20/04/2022

2024/07927 ~ Complete ~54:TETRAHYDROISOQUINOLINE HETEROBIFUNCTIONAL BCL-XL DEGRADERS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street Watertown, Massachusetts, 02472, United States of America ~72: EVAN J HORN;FEI HUANG;JOSHUA D HANSEN;MARK A NAGY;MATTHEW D ALEXANDER~ 33:US ~31:63/339,253 ~32:06/05/2022;33:US ~31:63/398,783 ~32:17/08/2022;33:US ~31:63/429,862 ~32:02/12/2022;33:US ~31:63/449,756 ~32:03/03/2023;33:US ~31:63/454,545 ~32:24/03/2023;33:US ~31:63/457,997 ~32:07/04/2023

2024/07930 ~ Complete ~54:SYSTEMS AND METHODS FOR POWER SETPOINT CONTROL FOR HYBRID POWER GENERATION FACILITIES ~71:GE Grid GmbH, Bleichstrasse 64-66, FRANKFURT AM MAIN 60313, GERMANY, Germany ~72: HART, Patrick Hammel;KOSUTH, Charles Joseph;MOOSVI, Alina Fatima~ 33:US ~31:17/726,025 ~32:21/04/2022

2024/07901 ~ Provisional ~54:ULTRA ROSE ~71:Paul Black, 15 Dunker Street , Melkbosstrand, South Africa ~72: paul black~

2024/07906 ~ Provisional ~54:JJH WEED PULLER ~71:James Mitchell & Jean-Claude du Preez, 865 Cura Avenue, Equestria, South Africa ~72: Du Preez Jean-Claude;Hans L Mitchell;James Mitchell~ 33:ZA ~31:1 ~32:01/10/2024

2024/07910 ~ Complete ~54:A PRODUCT WITH A BASE WITH A MAGNETIC OR FERROMAGNETIC ELEMENT PLACED ON A VERTICAL SURFACE AND A BRACKET WITH A MAGNETIC OR FERROMAGNETIC ELEMENT FOR IT ~71:MOSALOVA Tatiana Nikolaevna, ul. Novoslobodskaya, d. 73/68, str. 5, kv. 207, Moscow, 127055, Russian Federation ~72: MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2024128074 ~32:23/09/2024

2024/07915 ~ Complete ~54:FOLLOWING-TYPE LOGISTICS ROBOT CONTROL SYSTEM ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Dong Youwei;Huang Haoran;Yao Xiqin;Zheng Daoyou~

2024/07921 ~ Complete ~54:PULLDOWN APPARATUS ~71:CATERPILLAR INC., 100 NE Adams Street - AB6450, United States of America ~72: DEMICK, Christopher J.;GOSLOVICH, Kurt S.;NUTAKKI, Satish;PONNUSAMY, Ananda S.~ 33:US ~31:17/726,678 ~32:22/04/2022

2024/07904 ~ Provisional ~54:ANTI-SLIP DEVICE FOR GRATING ~71:SWARTS, JACOBUS JONATHAN JACOB, Plot 339, Dinie Estates Road, Kroondal, South Africa ~72: SWARTS, JACOBUS JONATHAN JACOB~

2024/07934 ~ Complete ~54:METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS FOR ENHANCEMENTS FOR WTRUS WITH MULTIPLE ANTENNAS ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: CANONNE-VELASQUEZ, Loic;HAGHIGHAT, Afshin;LEE, Moon IL;PARK, Jonghyun~ 33:US ~31:63/334,927 ~32:26/04/2022;33:US ~31:63/395,953 ~32:08/08/2022;33:US ~31:63/445,674 ~32:14/02/2023

2024/07933 ~ Complete ~54:PHARMACEUTICAL FORMULATION COMPRISING BISPECIFIC ANTIBODY AGAINST RABIES VIRUS G PROTEIN AND PREPARATION METHOD THEREFOR ~71:Chongqing Genrix Biopharmaceutical Co., Ltd., Block A, Building 2, No. 699, Maliu Avenue, BANAN DISTRICT 401319, CHONGQING, CHINA (P.R.C.), People's Republic of China;Genrix (Shanghai) Biopharmaceutical Co.Ltd., 5/f, No. 581 Shenkuo Road, Zhang Jiang High-Tech Park, PUDONG NEW AREA 201203, SHANGHAI, CHINA (P.R.C.), People's Republic of China ~72: CHANG, Zhiyuan;WANG, Wei;ZHANG, Xin;ZOU, Zhitong~ 33:CN ~31:202210357290.X ~32:02/04/2022

2024/07900 ~ Provisional ~54:APEX ULTRA 2 ~71:Paul Black, 15 Dunker Street , Melkbosstrand 7441, South Africa ~72: paul black~

2024/07902 ~ Provisional ~54:POWERED HANDHELD MATERIAL WORKING TOOL ~71:JOSHCON STRUCTURAL ENGINEERS (PTY) LTD., 511 Montagu Place, Spring street, South Africa ~72: VISSER, David van Zyl~

2024/07907 ~ Provisional ~54:THE VERTICAL MICROGRIDS (DUAL PURPOSE - BOTH POWER AND SMART MICROGRIDS) ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/07913 ~ Complete ~54:A VOICE INTERACTION SYSTEM FOR A ROBOT ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Dong Youwei;Huang Haoran;Yao Xiqin;Zheng Daoyou~

2024/07925 ~ Complete ~54:APPARATUS FOR PROCESSING FRUIT AND VEGETABLE PRODUCTS ~71:UNITEC S.P.A., Via Provinciale Cotignola, 20/9, 48022, Lugo, Italy ~72: LUCA BENEDETTI~ 33:IT ~31:102022000008729 ~32:02/05/2022

2024/07929 ~ Complete ~54:A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID ~71:SULZER MANAGEMENT AG, Neuwiesenstrasse 15, 8401, Winterhur, Switzerland ~72: STEPANSKI, Manfred~ 33:EP ~31:22170581.7 ~32:28/04/2022

2024/07919 ~ Complete ~54:PASMO RESISTANCE GENE LUWRKY39 OF FLAX AND APPLICATION THEREOF ~71:INSTITUTE OF INDUSTRIAL CROPS, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, 368 XUEFU ROAD, NANGANG DISTRICT, People's Republic of China ~72: CHEN Jing;CHEN, Si;HU, Yingying;LI, Cen;LIU, Yan;MA, Jun;WU, Linlin;YIN, Weiping~

2024/07928 ~ Complete ~54:HETEROARYL COMPOUNDS FOR THE TREATMENT OF PAIN ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ALEXANDER FREDERIK KINTZER;DAVID ROBERT SLOCHOWER;DENNIS JAMES HURLEY;ELIZABETH, MARY BECK;EWA, IWONA CHUDYK;IAIN SIMPSON;JACLYN CHAU;JAMES DODD;JAMES JUN BON MUI;JASON MCCARTNEY;JINGLAN ZHOU;JOANNE, LOUISE PINDER;KATHLEEN AERTGEERTS;MARK THOMAS MILLER;MIRANDA ADELE WRIGHT;ROBERT MARTIN DEMORET;ROMAN ASKATOVICH VALIULIN;RONALD MARCELLUS ALPHONSUS KNEGTEL;SARA SABINA HADIDA

RUAH;SENAIT G GHIRMAI;TIMOTHY, DONALD NEUBERT;VIJAYALAKSMI ARUMUGAM~ 33:US ~31:63/333,875 ~32:22/04/2022

2024/07932 ~ Complete ~54:PESTICIDAL AND HERBICIDAL COMPOUNDS AND METHODS OF USE THEREOF ~71:Ag Plenus Ltd, 13 Gad Feinstein St, REHOVOT 7612002, ISRAEL, Israel ~72: FREUD, Yehoshua;INBAL, Boaz;LOTHAR, Willms;WEXSELBLATT, Ezequiel~ 33:IL ~31:291575 ~32:21/03/2022

2024/07916 ~ Complete ~54:A RAPID DETERMINATION METHOD FOR THE POST-RIPENING PERIOD OF WHEAT BASED ON PHYSIOLOGICAL AND BIOCHEMICAL INDICATORS ~71:HENAN UNIVERSITY OF TECHNOLOGY, No. 100 Lianhua Street, High-Tech Development Zone, Zhengzhou, Henan, People's Republic of China ~72: KANG CHUHAN;LIU YUXIN;MIAO SEN;TIAN QISHENG;WU QIONG;ZHANG DONGDONG;ZHANG YURONG~ 33:CN ~31:202410777672.7 ~32:17/06/2024

2024/07918 ~ Complete ~54:GRAZING PATH PLANNING AUXILIARY TOOL ~71:Hulunbuir University, No. 26 Genghis Khan Middle Road, Hailar District, Hulunbuir, Inner Mongolia Autonomous Region, 021000, People's Republic of China ~72: Chao Feng~

2024/07908 ~ Complete ~54:ROSA ROXBURGHII PICKING ROBOT ~71:Liupanshui Normal University, No. 288 Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China ~72: CHEN, Zuxing;FENG, Junjie;REN, Mingyue;WANG, Yanhong;YANG, Wei;YANG, Zhenyan;ZHANG, Qilong;ZHOU, Wenping;ZHU, Kun~

2024/07912 ~ Complete ~54:CLAMPING STRUCTURE FOR ELECTRONIC COMPONENT DETECTION ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Chen Hanchen;Qian Yuezhong;Qiu Jianshu;Xiang Chaohui~

2024/07923 ~ Complete ~54:TREM2 MODULATORS ~71:MUNA THERAPEUTICS APS, Nordre Fasanvej 215, 2000, Frederiksberg, Denmark ~72: GAVIN WHITLOCK;JAKOB BUSCH-PETERSEN;JOHANNES WILHELM GEORG MEISSNER;JULIETTE EMMERICH~ 33:EP ~31:22182841.1 ~32:04/07/2022;33:EP ~31:22196374.7 ~32:19/09/2022;33:EP ~31:22211409.2 ~32:05/12/2022;33:EP ~31:22215488.2 ~32:21/12/2022;33:EP ~31:23154600.3 ~32:02/02/2023;33:EP ~31:23164257.0 ~32:27/03/2023;33:EP ~31:23169796.2 ~32:25/04/2023;33:EP ~31:23172505.2 ~32:10/05/2023

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2024/07935 ~ Provisional ~54:FIREARM SAFETY INNOVATION WITH THEFT PREVENTION ALERT ~71:Wayne H Erasmus, 195 10th Avenue, South Africa ~72: Wayne H Erasmus~

2024/07938 ~ Provisional ~54:APPARATUS FOR DETECTION OF HANGING WALL CLOSURE ~71:BADGER EQUIPMENT (PTY) LTD, 77 Wattle Road, Benoni AH, Benoni, South Africa ~72: GRIX, Etienne Douglas Lennox~

2024/07945 ~ Complete ~54:GOLF TEE WITH LEVEL ~71:BROWN, Todd E, 310 N. Westlake Boulevard, Suite 120, United States of America ~72: Brown, Todd E.~ 33:US ~31:63/338,201 ~32:04/05/2022

2024/07936 ~ Provisional ~54:AQUA GLOW ROAD MARKINGS ~71:Wayne Henry Erasmus, 195 10th Avenue, South Africa ~72: Wayne H Erasmus~

2024/07940 ~ Complete ~54:PICKING MACHINE FOR PICKING ROXBURGHII ~71:Liupanshui Normal University, No. 288 Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China ~72: CHEN, Zuxing;FENG, Junjie;REN, Mingyue;WANG, Yanhong;YANG, Zhenyan;ZHANG, Qilong;ZHANG, Qiqi;ZHOU, Wenping;ZHU, Kun~

2024/07944 ~ Complete ~54:WATER HYACINTH FIBER-BASED MATERIALS ~71:IN-BETWEEN INTERNATIONAL S.A., Chau. de la Hulpe 185, Belgium ~72: BAHADORANI, Rebeka;THOMMERET, Richard~ 33:US ~31:17/701,210 ~32:22/03/2022

2024/07947 ~ Complete ~54:DEVICE AND METHOD FOR DILATION OF A TUBULAR ANATOMICAL STRUCTURE ~71:ENDO UV TECH, 515 E. Las Olas Blvd., No. 120, Fort Lauderdale, Florida, 33301, United States of America ~72: BRANT D WATSON;HENRY W VAN VURST~ 33:US ~31:63/322,821 ~32:23/03/2022

2024/07954 ~ Complete ~54:POST-CONSUMER RECYCLATED COLORED POLYETHYLENE COMPOSITION, METHOD FOR ITS PREPARATION AND ARTICLES MADE THEREFROM ~71:Borealis AG, Trabrennstrasse 6-8, VIENNA 1220, AUSTRIA, Austria ~72: DENIFL, Peter;GOETZLOFF, Christian;HETTRICH-KELLER, Michael;LAMBERTZ, Oliver;LIU, Yi;MACHL, Doris;NAGL, Andreas;PIETTRE, Kilian;PRIESTERS, Hans-Jürgen;TRAN, Tuan Anh;VIJAY, Sameer~ 33:EP ~31:22163635.0 ~32:22/03/2022;33:EP ~31:22208347.9 ~32:18/11/2022

2024/07957 ~ Complete ~54:SYSTEMS AND METHODS FOR TRIGGERING EXPLOSIVES IN HOLES ~71:OLITEK PTY LTD, 248 Earnshaw Road, Australia ~72: FOGARTY, Samuel;HANWRIGHT, Steve;NARANJO, Nicolas;OLIVER, James;ROBINSON, Caleb~ 33:AU ~31:2022202388 ~32:11/04/2022

2024/07939 ~ Provisional ~54:MAGNETIC CAP SYSTEM -NICKNAME PERFUME BUTLER ~71:Moosa Essa, 186 Moses Kotane Road,Flat 3 Aba Mansion,Sydenham,4001,Durban,South Africa, South Africa ~72: Moosa Essa~

2024/07941 ~ Complete ~54:ARGINASE INHIBITORS AND METHODS OF USE THEREOF ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: COOK, Steve;FINLAY, Maurice Raymond Verschoyle;GREBE, Tyler;KAWATKAR , Sameer;MLYNARSKI, Scott Nathan;SIMPSON, Iain;WANG, Jianyan;WU , Dedong~ 33:US ~31:62/631,659 ~32:17/02/2018;33:US ~31:62/671,576 ~32:15/05/2018;33:US ~31:62/721,113 ~32:22/08/2018;33:US ~31:62/778,002 ~32:11/12/2018

2024/07946 ~ Complete ~54:FEM COMPRISING SWITCH, AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DONGIL YANG;HYOSEOK NA;JONGHUN YOO;YOHAN MOON~ 33:KR ~31:10-2022-0054488 ~32:02/05/2022;33:KR ~31:10-2022-0106489 ~32:24/08/2022;33:KR ~31:10-2023-0042108 ~32:30/03/2023

2024/07948 ~ Complete ~54:RECOMBINANT NEPROSIN POLYPEPTIDES AND METHODS OF EXPRESSION ~71:CODEXIS, INC., 200 Penobscot Drive, Redwood City, California, 94063, United States of America ~72: ADAM P SILVERMAN;ARIANNA I CELIS LUNA;DA DUAN;KATHLEEN SUSAN MOLNAR;PAUL CAMPION JORDAN;TRICIA WINDGASSEN~ 33:US ~31:63/340,411 ~32:10/05/2022;33:US ~31:63/356,181 ~32:28/06/2022

2024/08034 ~ Complete ~54:A SOCKET ASSEMBLY ~71:DOLLA HOLL DRILLING SERVICES (PTY) LTD, 8 Hoep Hoep Street, Cushan Ext 2, South Africa ~72: HOLL, Dola~ 33:ZA ~31:2018/06392 ~32:01/01/2019

2024/07942 ~ Complete ~54:THERMODYNAMIC ANALYSIS-BASED FAULT DETECTION METHOD FOR CONDENSER OF PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT ~71:China Nuclear Power Engineering Co., Ltd., Daya Bay Nuclear Power Base, Dapeng New Area, Shenzhen, Guangdong Province, 518124, People's Republic of China;Empower Info technology Shanghai Co., ltd., Room A-216, building 1, 2582 Gudai Road, Minhang District, Shanghai, 201101, People's Republic of China ~72: Wang Guangji;Wang Xuehua~

2024/07937 ~ Provisional ~54:LOW-COST, PORTABLE & LOW-MAINTENANCE VENTILATION MEASUREMENT SOLUTION FOR HOSTILE ENVIRONMENTS. ~71:Mine Clever Pty Ltd, 77 Tijger Vallei Office Park, 13 Pony street, South Africa ~72: Edward Henry Mathews~

2024/07949 ~ Complete ~54:IXODES RICINUS SALIVARY GLAND POLYPEPTIDE FOR PREVENTING AND TREATING BRAIN INFLAMMATION ~71:BIOXODES, Rue Santos - Dumont 1 , 6041, Charleroi, Belgium ~72: EDMOND GODFROID;STÉPHANIE DEMOULIN;VALÉRIE PIREAUX~ 33:BE ~31:2022/5387 ~32:20/05/2022;33:BE ~31:2022/5647 ~32:18/08/2022

2024/07951 ~ Complete ~54:A PLANT AND AN EFFICIENT PROCESS FOR PRODUCING POLYLACTIC ACID USING LACTIDE OBTAINED FROM POLYLACTIC ACID DEVOLATILIZATION ~71:SULZER MANAGEMENT AG, Neuwiesenstrasse 15, 8401, Winterthur, Switzerland ~72: STEPANSKI, Manfred~ 33:EP ~31:22170580.9 ~32:28/04/2022

2024/07956 ~ Complete ~54:BICYCLOAMINE CARBOXAMIDE DERIVATIVE ~71:Sumitomo Pharma Co., Ltd., 6-8, Doshomachi 2-chome, Chuo-ku, OSAKA-SHI 5410045, OSAKA, JAPAN, Japan ~72: FUNAKOSHI, Yuta;IDEUE, Eiji;KOMIYA, Masafumi;NAGAHAMA, Riko;SAKAMOTO, Keita~ 33:JP ~31:2022-071112 ~32:22/04/2022

2024/07953 ~ Complete ~54:OXAZEPINE DERIVATIVE ~71:TEIJIN PHARMA LIMITED, 2-1, Kasumigaseki 3-chome, Japan ~72: FURUYA, Shiori;KIMURA, Kumi;MUTOH, Hiroyuki;OKADA, Kazuhisa;SASAKI, Kosuke~ 33:JP ~31:2022-070484 ~32:22/04/2022

2024/07943 ~ Complete ~54:CUTTING DEVICE AND METHOD FOR CUTTING A CORE COMPONENT ~71:FRAMATOME GMBH, Paul-Gossen-Strasse 100, Germany ~72: GRAU, Jochen;GROH, Werner;MICHNA, Jürgen;WIESE, Thomas Heinz~ 33:EP ~31:22171320.9 ~32:03/05/2022

2024/07950 ~ Complete ~54:NEW TECHNOLOGY FOR MANUFACTURING LOW VISCOSITY EMULSIONS ~71:ENAEX SA, El Trovador 4253, Las Condes, Santiago, Chile;ENAEX SERVICIOS SA, El Trovador 4253, Las Condes, Santiago, Chile ~72: CONTRERAS OTEY, Jose Antonio;NUÑEZ CAMUS, Eduardo Antonio~

2024/07958 ~ Provisional ~54:METHODOLOGY FOR CALCULATING ENVIRONMENTAL, SOCIAL, AND GOVERNANCE (ESG) SCORES BASED ON THE ENHANCE AFRICA EQUITIES ESG INDEX ~71:Gerald Mandebvu, 3 Rowland johnson, South Africa ~72: Gerald Mandebvu~

2024/07952 ~ Complete ~54:DOUBLE-DRIVE HIGH PRESSURE GRINDING ROLL FOR MINING ~71:LANDSKY TECH TANGSHAN CO., LTD., Nankai Road, High-tech Zone Tangshan,, Hebei, 063000, People's Republic of China ~72: Songyi LI;Yanpeng WANG;Yaxuan WANG~ 33:CN ~31:202410604430.8 ~32:15/05/2024

2024/07955 ~ Complete ~54:METHOD FOR THE ELUTION OF ALUMINUM IONS AND/OR ZINC IONS ~71:LANXESS Deutschland GmbH, Kennedyplatz 1, KÖLN 50569, GERMANY, Germany ~72: KRALIK, Joachim;MAKROPOULOS, Pavlos;NEUFEIND, Stefan;STEINHILBER, Dirk~ 33:EP ~31:22163466.0 ~32:22/03/2022

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2024/07993 ~ Provisional ~54:POWER GENERATION SOLUTION 1 ~71:REGINALD SANDILE MLOMBILE, 2483 MARIVATE STREET, South Africa ~72: REGINALD SANDILE MLOMBILE~

2024/07971 ~ Complete ~54:METHODS FOR REDUCING LIPASE ACTIVITY ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BREYDO,

Leonid;MATTILA, John;TANG, Xiaolin~ 33:US ~31:63/337,532 ~32:02/05/2022;33:US ~31:63/436,850 ~32:03/01/2023;33:US ~31:63/499,441 ~32:01/05/2023

2024/07973 ~ Complete ~54:NUCLEOSIDE DRUG FOR TREATING OR PREVENTING CORONAVIRUS INFECTION, AND USE THEREOF ~71:MIRACURE BIOTECHNOLOGY LIMITED, Room 406, Unit B, Building 3, Zhongguancun Dongsheng International Science Park, No. 1 Yong Tai Zhuang North Road, Haidian District, People's Republic of China ~72: Longwu QI;Nana DU;Shusen XU;Xiaolin LI~ 33:CN ~31:202210465512.X ~32:25/04/2022;33:US ~31:63/363,499 ~32:25/04/2022;33:CN ~31:202211217036.6 ~32:30/09/2022;33:CN ~31:202211358613.3 ~32:01/11/2022;33:US ~31:63/381,846 ~32:01/11/2022

2024/07975 ~ Complete ~54:WEAR MEMBER INCLUDING A DISPERSIBLE WEAR INDICATOR ~71:CATERPILLAR INC., 100 NE Adams Street - AB6450, United States of America ~72: CONGDON, Thomas M.;PARZYNSKI, David B., Jr;SCHAFER, Benjamin T.~ 33:US ~31:17/723,732 ~32:19/04/2022

2024/07960 ~ Provisional ~54:SOLAR TAIL ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/07963 ~ Complete ~54:MULTIVALENT AND MULTISPECIFIC 41BB-BINDING FUSION PROTEINS ~71:Inhibrx Biosciences, Inc., 11025 N. Torrey Pines Road, Suite 140, LA JOLLA 92037, CA, USA, United States of America ~72: BECKLUND, Bryan;DEVERAUX, Quinn;ECKELMAN, Brendan P.;HATA, Chelsie;HUSSAIN, Abrahim;JONES, Kyle S.;KAPLAN, Mike;PANDIT, Rajay;RASCON, Lucas;RAZAI, Amir S.;TIMMER, John C.~ 33:US ~31:62/277,028 ~32:11/01/2016

2024/07967 ~ Complete ~54:METHOD AND COMPOSITION FOR SYNTHESIZING PHYTO-NANO-MGO QUANTUM DOTS FOR EVALUATION OF TOXIN IN-VIVO/VITRO/SILICO SEQUELS ~71:Dr. Ajaya Kumar Singh, Professor, Department of Chemistry, Govt.VYT PG Autonomous College Durg, CG, India;Dr. Sunita Sanwaria, Department of Chemistry, Govt.VYT PG Autonomous College Durg, CG, India;S. Sreevidya, Department of Chemistry, Govt.VYT PG Autonomous College Durg, CG, India ~72: Dr. Ajaya Kumar Singh;Dr. Sunita Sanwaria;S. Sreevidya~

2024/07970 ~ Complete ~54:PH- AND TEMPERATURE-STABLE ETHERIC SOPHOROLIPIDS AND THEIR USE ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: HAGAMAN, Daniel;MORRIS, Andrew;SPEIGHT, Lee~ 33:US ~31:63/350,093 ~32:08/06/2022

2024/07976 ~ Complete ~54:TOOL BIT AND ADAPTER BOARD ~71:CATERPILLAR INC., 100 NE Adams Street – AB6450, United States of America ~72: CONGDON, Thomas M.;PARZYNSKI JR., David B.~ 33:US ~31:17/729,211 ~32:26/04/2022

2024/07977 ~ Complete ~54:TAPERED BUSHING FOR BIT REMOVAL ~71:CATERPILLAR INC., 100 NE Adams Street – AB6450, United States of America ~72: CONGDON, Thomas M.;PARZYNSKI JR., David B.~ 33:US ~31:17/729,449 ~32:26/04/2022

2024/07980 ~ Complete ~54:RETAINING SPRING CLIP AND ADAPTER BOARD ~71:CATERPILLAR INC., 100 NE Adams Street - AB6450, United States of America ~72: CONGDON, Thomas M.;PARZYNSKI JR., David B.~ 33:US ~31:17/729,301 ~32:26/04/2022

2024/07983 ~ Complete ~54:ANTIBODY AGAINST C-MET AND USE THEREOF ~71:Biotheus Inc., 10B, BUILDING 4, NO 1 KEJI 7TH ROAD, TANGJIAWAN TOWN, XIANGZHOU DISTRICT, ZHUHAI 519080, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LUO, Yi;MIAO, Xiaoniu;WANG, Ping;WU, Fan;ZHAO, Zhenting~ 33:CN ~31:202210345737.1 ~32:02/04/2022

2024/07989 ~ Complete ~54:ELECTRON BEAM INTEGRATION FOR STERILIZING RADIOPHARMACEUTICALS INSIDE A HOT CELL ~71:BWXT ADVANCED TECHNOLOGIES LLC, 109 Ramsey Place, Lynchburg, Virginia, 24501, United States of America ~72: BENJAMIN D FISHER;CURTIS G HAMILTON;KENNETH PALAZZI~ 33:US ~31:63/343,780 ~32:19/05/2022

2024/07964 ~ Complete ~54:PROCESSES FOR PREPARING AG-10, ITS INTERMEDIATES, AND SALTS THEREOF ~71:EIDOS THERAPEUTICS, INC., 101 Montgomery Street, 25th Floor, United States of America ~72: ALHAMADSHEH, Mamoun;CHAND, Pooran;GUPTA, Yogesh Kumar;KUMAWAT, Rakesh Kumar;ZAMBONI, Robert~ 33:US ~31:62/460,576 ~32:17/02/2017

2024/07968 ~ Complete ~54:AN APPARATUS AND METHOD FOR ASSESSING WATER QUALITY STATUS USING WATER QUALITY INDEX ~71:Dr. Akumtoshi LKR, Department of Botany, Nagaland University, Lumami, 798627, India;Dr. Maibam Romeo Singh, Department of Botany, Nagaland University, Lumami, 798627, India;Dr. Neizo Puro, Department of Botany, Nagaland University, Lumami, 798627, India ~72: Dr. Akumtoshi LKR;Dr. Maibam Romeo Singh;Dr. Neizo Puro~

2024/07992 ~ Provisional ~54:POWER GENERATION SOLUTION ~71:REGINALD SANDILE MLOMBILE, 2483 MARIVATE STREET, South Africa ~72: REGINALD SANDILE MLOMBILE~

2024/07969 ~ Complete ~54:COOLING AGENT, PREPARATION METHOD AND APPLICATION THEREOF ~71:GUANGZHOU TUFU FRAGRANCE TECHNOLOGY CO., LTD, Room 201, Room 301, Building 2, No. 23 Zhenzhong North Road, Jianggao Town, Baiyun District, People's Republic of China ~72: SHEN, Jingang~

2024/07974 ~ Complete ~54:GRANULATION PROCESS, PRODUCTION PROCESS, AND PRODUCTION SYSTEM OF CHEMICAL FERTILIZER-BIOLOGICAL COMPOUND FERTILIZER ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No.23788, Gongye North Road, Licheng District, Jinan, Shandong, People's Republic of China;Wuzhou Feng Agricultural Technology Co., LTD, No.20, Huasheng Road, Zhifu District, Yantai, Shandong, People's Republic of China ~72: Xuejiang WANG;Yufeng ZHANG;Zhaohui LIU~ 33:CN ~31:202310147332.1 ~32:20/02/2023

2024/07978 ~ Complete ~54:WASHOUT PROTECTION FOR A BIT ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: CONGDON, Thomas Marshall;PARZYNSKI JR., David B.~ 33:US ~31:17/729,242 ~32:26/04/2022

2024/07982 ~ Complete ~54:EMULSION WITH LIQUID CRYSTALLINE STRUCTURES ~71:Beiersdorf AG, Unnastraße 48, HAMBURG 20253, GERMANY, Germany ~72: FRANCK, Kerstin;TANG, Wei;XU, Yang~ 33:DE ~31:10 2022 204 661.7 ~32:12/05/2022

2024/07987 ~ Complete ~54:TARGET WAKE TIME TEARDOWN PROCESS FOR MULTI-LINK DEVICES ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;PESHAL NAYAK;RUBAYET SHAFIN;VISHNU VARDHAN RATNAM~ 33:US ~31:63/395,719 ~32:05/08/2022;33:US ~31:18/359,632 ~32:26/07/2023

2024/07994 ~ Provisional ~54:POWER GENERATION SOLUTION 2 ~71:REGINALD SANDILE MLOMBILE, 2483 MARIVATE STREET, South Africa ~72: REGINALD SANDILE MLOMBILE~

2024/07959 ~ Provisional ~54:AUTOMATED SYSTEM AND METHOD FOR GOAL OPTIMISATION UTILISING PPG FEEDBACK AND AI-DRIVEN TECHNIQUES ~71:KABELO DIALE, 7 COMET STREET, South Africa ~72: KABELO DIALE~

2024/07961 ~ Complete ~54:COOLING SYSTEM OF PROTECTIVE CLOTHING ~71:Beihang University, 37 Xueyuan Road, Haidian District, Beijing, 100191, People's Republic of China;Hangzhou Innovation Institute of Beihang University(International Innovation Institute of Beihang University), No. 166 Shuanghongqiao Street, Pingyao Town, Yuhang District, Hangzhou City, Zhejiang, 311115, People's Republic of China ~72: HE, Jiyang;LU, Xinda;SHANG, Wenshan;WANG, Lijing~

2024/07962 ~ Complete ~54:A FULLY BIODEGRADABLE AGRICULTURAL MULCH FILM THAT REGULATES DEGRADATION RATE USING PHOTODEGRADATION TECHNOLOGY ~71:Chi-Hui Tsou, No. 519, Xueyuan Street, Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Chulalongkorn University, 254 Phaya Thai Road, Wang Mai, Pathum Wan, Bangkok, 10330, Thailand;SICHUAN ZHIXIANGYI TECHNOLOGY CO., LTD., No.GW1101, 11th Floor, Building 9-2, No. 75, Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China;Sichuan Bozhiduo Technology Co., Ltd., No. 430 Xingneng Road, Industrial East District, Xindu District, Chengdu City, Sichuan Province, 610599, People's Republic of China;Sichuan University of Science and Engineering, No. 519, Xueyuan Street, Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Zigong Zhishengxin Technology Co., Ltd, No. 180 Xueyuan Street, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China ~72: Bunnakorn Suntamit;Charasphat Preuksarattanawut;Chi-Hui Tsou;Chih-Yuan Tsou;Fei-Fan Ge;Pranut Potiyaraj;Xin Huang;Xue-Fei Hu~ 33:CN ~31:202311369251.2 ~32:23/10/2023

2024/07965 ~ Complete ~54:CYCLIN-DEPENDENT KINASE INHIBITING COMPOUNDS FOR THE TREATMENT OF MEDICAL DISORDERS ~71:G1 THERAPEUTICS, INC., 700 Park Offices Drive, Suite 200 , Research Triangle Park, North Carolina, 27709, United States of America ~72: JAY COPELAND STRUM~ 33:US ~31:63/027,113 ~32:19/05/2020;33:US ~31:63/085,672 ~32:30/09/2020

2024/07985 ~ Complete ~54:METHODS FOR TREATING BULLOUS PEMPHIGOID USING FCRN ANTAGONISTS ~71:argenx BV, Industriepark-Zwijnaarde 7, ZWIJNAARDE (GHENT) 9052, BELGIUM, Belgium ~72: STOYKOV, Ivaylo;VERHEESEN, Peter~ 33:US ~31:63/363,626 ~32:26/04/2022

2024/07990 ~ Complete ~54:A GEAR WELL FOR A CRUSHER AND A CRUSHER COMPRISING THE GEAR WELL ~71:METSO FINLAND OY, Rauhalanpuisto 9, Espoo, 02230, Finland ~72: PETRI KUJANSUU;WILJAMI NURMELA~ 33:EP ~31:22178102.4 ~32:09/06/2022

2024/07972 ~ Complete ~54:DEVICE AND METHOD FOR ROBOTISED PRIMING ~71:ENAEX SERVICIOS SA, El Trovador 4253, Las Condes, Santiago, Chile ~72: BARRIGA MELGAREJO, Jonhatan Octavio;LARA MARRO, Gloria del Pilar;MIRANDA LORCA, Rodrigo Andrés;RUIZ HERNÁNDEZ, Marco Antonio~

2024/07981 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BHARDWAJ, Vinay;BOYD, Thomas;LESNIAK, Ewelina;MAO, Junhong;RAJAGOPAL, Savitha~ 33:US ~31:63/336,703 ~32:29/04/2022

2024/07986 ~ Complete ~54:SUPRAMOLECULAR COMPLEX OF A BIOMOLECULE ~71:CAMBRIDGE ENTERPRISE LIMITED, The Old Schools, Trinity Lane, United Kingdom ~72: CHEN, Xiaoyi;HUANG, Zehuan;MCCUNE, Jade;SCHERMAN, Oren~ 33:GB ~31:2205916.6 ~32:22/04/2022;33:GB ~31:2206222.8 ~32:28/04/2022

2024/07991 ~ Complete ~54:SOCIAL TIPPING MANAGEMENT SYSTEM ~71:TSUGII Kaori, 1-503, Ibukino 4-chome, Izumi-shi, Osaka, 594-0041, Japan ~72: TSUGII Takehiro~ 33:JP ~31:2022-084913 ~32:25/05/2022

2024/07966 ~ Complete ~54:TETRAHYDROTHIENO PYRIDINE DERIVATIVES AS DDRS INHIBITORS ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: ANDREA RIZZI;ANNA

KARAWAJCZYK;BARBARA KAROLINA WOLEK;BEN PAUL WHITTAKER;DAVID EDWARD CLARK;FABIO RANCATI;KEITH CHRISTOPHER KNIGHT;LAURA CARZANIGA;NICOLÒ IOTTI;STEFANO LEVANTO;TOBY MATTHEW GROVER MULLINS~ 33:EP ~31:21165288.8 ~32:26/03/2021;33:EP ~31:21209682.0 ~32:22/11/2021

2024/07979 ~ Complete ~54:FRONT ACCESS FOR BIT RETENTION ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: CONGDON, Thomas Marshall;PARZYNSKI JR., David Bruno;WELLS, Corey Michael~ 33:US ~31:17/729,360 ~32:26/04/2022

2024/07984 ~ Complete ~54:MULTIPLEXED T CELL RECEPTOR COMPOSITIONS, COMBINATION THERAPIES, AND USES THEREOF ~71:TScan Therapeutics, Inc., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: GURER, Cagan;MACBEATH, Gavin;WANG, Yifan~ 33:US ~31:63/337,522 ~32:02/05/2022;33:US ~31:63/342,451 ~32:16/05/2022;33:US ~31:63/413,553 ~32:05/10/2022;33:US ~31:63/423,269 ~32:07/11/2022

2024/07988 ~ Complete ~54:VODOBATINIB FOR REDUCING PROGRESSION OF PARKINSON'S DISEASE ~71:SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, 17/B, Mahal Industrial Estate, Off Mahakali Caves Road, Andheri (East), Mumbai, Maharashtra, 400093, India ~72: ANDREW GOLDFINE;NITIN KRISHNAJI DAMLE;RAVI SANKAR PRASAD TALLURI;ROBERT D FAULKNER;SANJAY NANDLALJI MANDHANE;SIU-LONG YAO;VIKRAM KRISHNA RAMANATHAN~ 33:IN ~31:202221025575 ~32:02/05/2022;33:IN ~31:202221062155 ~32:01/11/2022

. - APPLIED ON 2024/10/23 -

2024/08011 ~ Complete ~54:SEPARATION OF IMPURITIES IN A PROCESS FOR HYDROLYTICALLY DEPOLYMERIZING A POLYAMIDE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BLEI, Stefan;DIENES, Christian;EL-TOUFAILI, Faissal-Ali;FELDEN, Marc;GASSMANN, Michel;GAUER, Jochen;HETZ-HUNSINGER, Alexander;KOTANJAC, Zeljko;LARYEA, Esther, Matyka;RAVIKUMAR, Vikram, Raghavendhar~ 33:EP ~31:22166283.6 ~32:01/04/2022

2024/08019 ~ Complete ~54:MULTIFUNCTIONAL OBSTETRIC BED ~71:THE THIRD AFFILIATED HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAL PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), No.63 Duobao Road, Liwan District, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Chunna LI;Haiying LIANG;Muqun XU;Suyu ZHANG;Xueling ZHANG~

2024/08020 ~ Complete ~54:MIXTURE FOR ANTIFUNGAL, ANTIBACTERIAL AND ANTIVIRAL TREATMENT ~71:CONTE, Gianni Arturo, Via Lucchi, 32, ZEVIO (VR) 37059, ITALY, Italy;MARIN, Francesco, Via San Francesco, 1/A, SPILIMBERGO (PN) 33097, ITALY, Italy;SALVADOR, Sergio, Via Frassinelli, 127, VITTORIO VENETO (TV) 31029, ITALY, Italy;VINCENZI, Simone, Via Madonna della Salute, 5, SAN VENDEMIANO (TV) 31020, ITALY, Italy ~72: CONTE, Gianni Arturo;MARIN, Francesco;SALVADOR, Sergio;VINCENZI, Simone~ 33:IT ~31:102022000005990 ~32:25/03/2022

2024/08027 ~ Complete ~54:INTEGRATION OF RENEWABLE FUEL AND CHEMICAL PRODUCTION INTO NATURE BASED SOLUTION AND NATURAL CLIMATE CHANGE SOLUTION INFRASTRUCTURE ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: SEAN DENNIS SIMPSON;ZARATH MORGAN SUMMERS~ 33:US ~31:63/339,400 ~32:06/05/2022

2024/08012 ~ Complete ~54:O-ACETYL HOMOSERINE-PRODUCING MICROORGANISM AND METHOD FOR PRODUCING O-ACETYL HOMOSERINE OR L-METHIONINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: CHEONG, Ki Yong;KIM, Ju Eun;KIM, Ye-Eun;LEE, Jaemin~ 33:KR ~31:10-2022-0038131 ~32:28/03/2022

2024/08028 ~ Complete ~54:USE OF CELL-FREE DNA FRAGMENTOMES IN THE DIAGNOSTIC EVALUATION OF PATIENTS WITH SIGNS AND SYMPTOMS SUGGESTIVE OF CANCER ~71:DELFI DIAGNOSTICS, INC., 2809 Boston Street, Suite 503, Baltimore, Maryland, 21224, United States of America ~72: ALESSANDRO LEAL;DEBBIE JAKUBOWSKI;PETER BACH;TARA MADDALA;TONY WU~ 33:US ~31:63/341,323 ~32:12/05/2022

2024/07998 ~ Complete ~54:METHOD FOR PRE-TRAINING, OR TRAINING, OR FINE TUNING OF A CLUSTERING MODEL ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127893 ~32:21/09/2024

2024/08024 ~ Complete ~54:INHIBITORS OF HUMAN RESPIRATORY SYNCYTIAL VIRUS AND METAPNEUMOVIRUS ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065-0907, NJ, USA, United States of America ~72: AMBLER, Brett R.;ARMACOST, Kira A.;BESHORE, Douglas C.;BUNGARD, Christopher James;HURZY, Danielle M.;MANLEY, Peter J.;SCHLEGEL, Kelly Ann S.;SUEN-LAI, Linda M.;YAZDANI, Mahdieh~ 33:US ~31:63/341,910 ~32:13/05/2022;33:US ~31:63/495,307 ~32:11/04/2023

2024/08002 ~ Complete ~54:A REAL TIME SYSTEM FOR ROAD SURFACE IRREGULARITY DETECTION IN A VEHICULAR ADHOC NETWORK ~71:ATIQUE, Mohammad, G101, VIMACO ENCLAVE, OPPOSITE IG BUNGLOW CAMP, AMARAVATI, MAHARASHTRA, 444602, India;BUDHOLIYA, Akansha, DURVANG RESIDENCY 6, MANISH NAGAR, SHILPA SOCIETY, NAGPUR, MAHARASHTRA, 440037, India;CHAVAN, Madhuri, B101, SHREE RAJAL DHAM CHS, PLOT 22, SECTOR 20, KOPARKHAIRANE, NAVI MUMBAI, MAHARASHTRA, 400709, India;DEONE, Jyoti, ROOM NO 602, 6TH FLOOR, RAMRAO ADIK INSTITUTE OF TECHNOLOGY, DR. D Y PATIL DEEMED TO BE UNIVERSITY, D Y PATILVIDHYANAGAR, SECTOR 7, NERUL, NAVI MUMBAI, MAHARASHTRA, India;DONGRE, Manoj M., CABIN 01, ROOM NO 202, 2ND FLOOR, RAMRAOADIK INSTITUTE OF TECHNOLOGY, DR. D Y PATIL DEEMED TO BE UNIVERSITY, D Y PATILVIDHYANAGAR, SECTOR 7, NERUL, NAVI MUMBAI, MAHARASHTRA, 400706, India;DONGRE, Nilima Manoj, CABIN 1, ROOM NO 602, 6TH FLOOR, RAMRAO ADIK INSTITUTE OF TECHNOLOGY, DR. D Y PATIL DEEMED TO BE UNIVERSITY, D Y PATILVIDHYANAGAR, SECTOR 7, NERUL, NAVI MUMBAI, MAHARASHTRA, India;KHAN, Zoya Fahad, FLAT NO 1003, JIMMY TOWER CHS, PLOT NO 30, SECTOR 4, VASHI, NAVI MUMBAI, MAHARASHTRA, 400703, India;MANWAR, A. B., 14, SAMBODHI COLONY, NEAR RAHATGAONCHOWK, AMARAVATI, MAHARASHTRA, 444602, India;PONMALAR, R., A4/B 19, RESERVE BANK STAFF QUARTERS, ATREY LAYOUT, NAGPUR, MAHARASHTRA, 440015, India;SAWARKAR, Sudhirkumar, 1402, SIGNIA OCEANS, PLOT NO. 7-8, NEAR DMART, SECTOR 10A, AIROLI, NAVI MUMBAI, MAHARASHTRA, 400708, India;SHINGANE, Priyanka, FLAT 301, B WING, SIDDHESH SAIKRUPA APARTMENT, BESA - MANISH NAGAR ROAD, BESA, NAGPUR, MAHARASHTRA, 440037, India ~72: ATIQUE, Mohammad;BUDHOLIYA, Akansha;CHAVAN, Madhuri;DEONE, Jyoti;DONGRE, Manoj M.;DONGRE, Nilima Manoj;KHAN, Zoya Fahad;MANWAR, A. B.;PONMALAR, R.;SAWARKAR, Sudhirkumar;SHINGANE, Priyanka~

2024/08006 ~ Complete ~54:CORNER BRACKET FOR A WINDOW BLIND FRAME ~71:LOUVER-LITE LIMITED, ASHTON ROAD, HYDE CHESHIRE SK 14 4BG, GREAT BRITAIN, United Kingdom ~72: GREENING, Andrew~ 33:GB ~31:2204696.5 ~32:31/03/2022

2024/08010 ~ Complete ~54:IMPROVED CHIMERIC POLYPEPTIDES AND USES THEREOF ~71:THE UNIVERSITY OF QUEENSLAND, ST LUCIA, QUEENSLAND 4072, AUSTRALIA, Australia ~72: CHAPPELL, Keith;SCHEMBRI, Mark, Andrew;TARDIOTA, Nicolas;WATTERSON, Daniel~ 33:EP ~31:22166085.5 ~32:31/03/2022

2024/08017 ~ Complete ~54:OPTIMIZED BASE EDITORS ~71:BASF AGRICULTURAL SOLUTIONS SEED US LLC, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America;UNIVERSITEIT GENT, SINT-PIETERSNIEUWSTRAAT 25, 9000 GENT, BELGIUM, Belgium;VIB VZW, RIJVISSCHESTRAAT 120, 9052 GENT, BELGIUM, Belgium ~72: D'HALLUIN, Katelijn;DE VLEESSCHAUWER, David;FERNANDEZ, Alexandra, Pena;GAILLOCHET, Christophe;JACOBS, Thomas;MEULEWAETER, Frank~ 33:EP ~31:22165461.9 ~32:30/03/2022;33:EP ~31:23150383.0 ~32:05/01/2023

2024/08023 ~ Complete ~54:A CRUSHER FEED STATION ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: CLANCY, Stephen~ 33:EP ~31:22172624.3 ~32:10/05/2022

2024/08015 ~ Complete ~54:PROXIMITY SERVICES EMERGENCY CALL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HIETALAHTI, Hannu, Petri;NASSAR, Mohamed, Amin;VAN PHAN, Vinh;YU, Ling~ 33:US ~31:63/324,488 ~32:28/03/2022

2024/08000 ~ Complete ~54:METHOD FOR CLASSIFYING OF TEXT PARSING ~71:KRAVCHENKO Artem Aleksandrovich, ul. Profsoyuznaya, d. 75, korp. 1, kv. 81, Moscow, 117342, Russian Federation ~72: KRAVCHENKO Artem Aleksandrovich~ 33:RU ~31:2024127894 ~32:21/09/2024

2024/08005 ~ Complete ~54:COMPOSITIONS AND METHODS FOR FLOCCULATION ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: KNESEL, Gabriela~ 33:US ~31:63/350,213 ~32:08/06/2022

2024/08018 ~ Complete ~54:AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ASTOLA, Pekka;GHAZNAVI YOUVALARI, Ramin;LAINEMA, Jani~ 33:FI ~31:20225267 ~32:29/03/2022

2024/08029 ~ Complete ~54:BICYCLIC HETEROCYCLIC AMIDE INHIBITORS OF NA V1.8 FOR THE TREATMENT OF PAIN ~71:SITEONE THERAPEUTICS, INC., 280 Utah Ave., Suite 250, South San Francisco, California 94080, United States of America ~72: HARI PRAKASH;JIE ZHU;JOHN MULCAHY;PUSPESH KUMAR UPADHYAY~ 33:IN ~31:202211024240 ~32:25/04/2022;33:IN ~31:202311013223 ~32:27/02/2023

2024/07997 ~ Complete ~54:A KIT CONTAINING A VERTICALLY PLACED SCRATCHING POST WITH A MAGNETIC ELEMENT AND A BRACKET WITH A MAGNETIC ELEMENT FOR IT ~71:MOSALOVA Tatiana Nikolaevna, ul. Novoslobodskaya, d. 73/68, str. 5, kv. 207, Moscow, 127055, Russian Federation ~72: MOSALOVA Tatiana Nikolaevna~ 33:RU ~31:2024128072 ~32:23/09/2024

2024/08001 ~ Complete ~54:VISUALIZED OROPHARYNGEAL MEDICATION DELIVERY DEVICE ~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;Meijun OU;Wenxiao HUANG~ 33:CN ~31:2024224073037 ~32:30/09/2024

2024/08003 ~ Complete ~54:AN IOT-BASED FACE RECOGNITION DOOR UNLOCK SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BANG, Arti;BHAT, Vedyant;DESHMUKH, Minal;KAMBLE, Vedika Prabhakar;PATIL, Amruta Appaso~

2024/08013 ~ Complete ~54:EMULSION POLYMERIZATION WITH SOLKETAL (METH)ACRYLATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: FLECKENSTEIN, Christoph;FLEISCHHAKER, Friederike;MISSKE, Andrea~ 33:EP ~31:22164968.4 ~32:29/03/2022

2024/08022 ~ Complete ~54:ANTIBODY THAT BINDS TO VEGF-A AND IL6 AND METHODS OF USE ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BECKMANN, Roland;BENZ, Joerg;BERTOLDO, Davide;DRAWNEL, Faye Marie;FEENSTRA, Derrick;FENN, Sebastian;FROST, Stefan;HINNER, Marlon;JENSEN, Kristian Hobolt;MATSCHEKO, Daniela;MEIER, Anastasia;PLOETTNER, Oliver;SPECK, Janina;STRASSBURGER, Pamela;WEISER, Barbara Marie-Luise;WIDMER, Gabriella~ 33:EP ~31:22172759.7 ~32:11/05/2022

2024/08025 ~ Complete ~54:HOT-ROLLED STEEL SHEET AND METHOD OF PRODUCING SAME, AND ELECTRIC RESISTANCE WELDED STEEL PIPE OR TUBE AND METHOD OF PRODUCING SAME ~71:JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan ~72: AKIHIDE MATSUMOTO;ATSUSHI MATSUMOTO;RYO NAKAZAWA;SHINSUKE IDE~ 33:JP ~31:2022-076721 ~32:06/05/2022

2024/07995 ~ Provisional ~54:DIVER'S FRIEND - YOUR SUBMERGED SUPPORT PAL ~71:Blendin Badenhorst, 3129 Assegai Road , Amberfield Ridge , Centurion, South Africa;Collette Badenhorst, 3129 Assegai Road , Amberfield Ridge , Centurion, South Africa;Iain Murray, 637 Dwars Street , Bromhof , Johannesburg, South Africa ~72: Blendin Badenhorst;Collette Badenhorst;Iain Murray~

2024/07996 ~ Provisional ~54:TENSION SENSOR FOR AN ELECTRIC PERIMETER SECURITY SYSTEM ~71:NEMTEK HOLDINGS (PTY) LTD, Northriding Commercial Park, Stand 251, Aintree Avenue, NORTHRIDING, Randburg 2125, Gauteng, SOUTH AFRICA, South Africa ~72: PARSONS, Shaun Anthony~

2024/07999 ~ Complete ~54:SPLIT-CORE CURRENT TRANSFORMER ~71:Zhengzhou KBT Transformer Co., Ltd., Room 1771, Building 14, East University Science Park, No. 279 Xisanhuan Road, High-tech Industrial Development Zone, Zhengzhou, Henan, 450000, People's Republic of China ~72: Feng Wu;Guoyu Fu;Wen Huang~

2024/08004 ~ Complete ~54:NON-TARGETED SCREENING METHOD FOR SUBSTANCES IN CATEGORIES OF PHARMACEUTICAL AND PERSONAL CARE PRODUCTS (PPCPS) IN BEEF MUSCLE ~71:TECHNOLOGY CENTRE OF DALIAN CUSTOMS, Changjiangdong Road 60, Zhongshan District, Dalian City, People's Republic of China ~72: BIAN, Haitao;CAI, Xiyun;QIAO, Xianliang;WANG, Qi;XUE, Weifeng;YANG, Aifu~

2024/08007 ~ Complete ~54:FORGED PART OF STEEL AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Fares HADDAD;Francois-Xavier HOCHE;Véronique SMANIO~

2024/08008 ~ Complete ~54:SLIDER ASSEMBLY ~71:FIBRO GMBH, August-Läpple-Weg, Germany ~72: Markus MEYER~ 33:DE ~31:10 2022 117 325.9 ~32:12/07/2022

2024/08009 ~ Complete ~54:O-ACETYL HOMOSERINE-PRODUCING MICROORGANISM AND METHOD FOR PRODUCING O-ACETYL HOMOSERINE OR L-METHIONINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: KIM, Ju Eun;KIM, Ye-Eun;LEE, Jaemin~ 33:KR ~31:10-2022-0038130 ~32:28/03/2022

2024/08014 ~ Complete ~54:COMBINATION THERAPY FOR PREVENTING OR TREATING OBESITY ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: HWANG, Hye Kyeong;PARK, Hee Dong;YEO, Su Jin~ 33:KR ~31:10-2022-0038399 ~32:28/03/2022

2024/08016 ~ Complete ~54:NEGOTIATION APPLICABILITY FOR INACTIVE OR IDLE RECEPTION OF A MULTICAST SERVICE ~71:NOKIA SOLUTIONS AND NETWORKS OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BELLING, Horst, Thomas;GODIN, Philippe~ 33:EP ~31:22165167.2 ~32:29/03/2022

2024/08021 ~ Complete ~54:NEW MEDICAL USE OF TAFOXIPARIN ~71:Dilafor AB, Fogdevreten 2A, SOLNA 171 65, SWEDEN, Sweden ~72: DEGLING-WIKINGSSON, Lena;EKMAN-ORDEBERG, Gunvor~ 33:EP ~31:22171313.4 ~32:03/05/2022;33:EP ~31:23164674.6 ~32:28/03/2023

2024/08026 ~ Complete ~54:SCANNING OF OBJECTS ~71:TOMRA FOOD (BELGIUM) N.V., Research Park Haasrode 1622, Romeinse Straat, 20, 3001 Leuven, Belgium ~72: DIRK BALTHASAR;JAMES FRENCH~ 33:IB ~31:PCT/IB2022/053515 ~32:14/04/2022;33:IB ~31:PCT/IB2022/054041 ~32:02/05/2022;33:EP ~31:23166520.9 ~32:04/04/2023

2024/08030 ~ Complete ~54:TRICYCLIC HETEROCYCLIC DERIVATIVES, COMPOSITIONS AND USES THEREOF ~71:DANATLAS PHARMACEUTICALS CO., LTD., Suite 101, Floor 2, Building 2-4A, People's Republic of China ~72: YAN, Dan;YU, Zhangqi;ZHANG, Yao;ZHOU, Wenlai;ZHUO, Jincong~ 33:CN ~31:PCT/CN2022/000075 ~32:28/04/2022;33:CN ~31:PCT/CN2022/131223 ~32:10/11/2022;33:CN ~31:PCT/CN2022/135765 ~32:01/12/2022;33:CN ~31:PCT/CN2023/089128 ~32:19/04/2023

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2024/08040 ~ Complete ~54:PRESSURE STABILIZING DEVICE ~71:CCTEG Xi’an Research Institute (Group) Co. Ltd., No. 82, Jinye 1st Road, High tech Zone, Xi'an City, Shaanxi Province, 072750, People's Republic of China;Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, No. 1350, Kechuang Road, (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China;North China University of Water Resources and Electric Power, No. 136, Jinshui East Road, Zhengzhou City, Henan Province, 450046, People's Republic of China;Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering, No. 1350, Kechuang Road, (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China ~72: DONG, Jinyu;HU, Dongqiang;LI, Tianhui;NIE, Tianyu;WANG, Hai;WANG, Siwei;WANG, Wenxue~

2024/08046 ~ Complete ~54:IDENTIFYING A MATERIAL OF AN ADDITIVELY MANUFACTURED COMPONENT ~71:KRONES AG, Böhmerwaldstraße 5, 93073, Neutraubling, Germany ~72: DAVID POEPPEL;JOHANNES KARL;STEPHANIE ALLGEIER~ 33:DE ~31:10 2023 132 636.8 ~32:23/11/2023

2024/08052 ~ Complete ~54:METHOD OF HE-NE LASER THERAPY BASED ON SELF-ADAPTIVE BEAM FOCUSING AND APPLICATION THEREOF ~71:The Second Affiliated Hospital of Guangzhou Medical University, No.250 Changgang East Road, Haizhu District, Guangzhou, Guangdong, 510260, People's Republic of China ~72: Feng Xiong;Huiyong Chen;Jiawen Yin;Wenlin Yang~

2024/08032 ~ Provisional ~54:WHEEL-BUDDY TROLLEY ~71:Mahlogonolo Ngoepe, 52 hassink highway, South Africa ~72: Mahlogonolo Ngoepe~

2024/08039 ~ Complete ~54:ROCK-SOIL BODY DEFORMATION TEST APPARATUS UNDER VEHICLE LOAD ACTION ~71:CCTEG Xi’an Research Institute (Group) Co. Ltd., No. 82, Jinye 1st Road, High tech Zone, Xi'an City, Shaanxi Province, 072750, People's Republic of China;Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, No. 1350, Kechuang Road, (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China;North China University of Water Resources and Electric Power, No. 136, Jinshui East Road, Zhengzhou City, Henan Province, 450046, People's Republic of China;Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering, No. 1350, Kechuang Road, (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China ~72: CHANG, Jian;DONG, Jinyu;JIANG, Tong;LIANG, Yankun;WANG, Hai;WANG, Siwei;WANG, Wenxue;ZHANG, Xin;ZHENG, Kaidan~

2024/08041 ~ Complete ~54:A MONITORING AND EARLY WARNING METHOD AND SYSTEM OF ABNORMAL GAS EMISSION IN GOAF OF COAL MINE BASED ON NATURAL WIND PRESSURE VARIATION ~71:CCTEG Chongqing Research Institute, No.6, Kecheng Road, Jiulongpo District, Chongqing City, 400039, People's Republic of China;Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao District, Qingdao City, Shandong Province, 266590, People's Republic of China ~72: Cheng Liu;Shudong He;Xingang Niu;Yahu Yao;Zenghui Zhao;Zhonghua Wang~ 33:CN ~31:202411153008.1 ~32:21/08/2024

2024/08058 ~ Complete ~54:SOLID COMPOSITION COMPRISING SOLUBILISED BRADYKININ B2-RECEPTOR ANTAGONISTS ~71:PHARVARIS GMBH, Grafenauweg 8, 6300 Zug, Switzerland ~72: CHRISTOPH GIBSON~ 33:EP ~31:22164462.8 ~32:25/03/2022

2024/08035 ~ Complete ~54:ACTIVATOR OF HIF-1 ALPHA AND APPLICATION THEREOF ~71:Freshwater Fisheries Research Center, Chinese Academy of Fishery Sciences, No. 9, East Shanshui Road, Binhu District, Wuxi City, Jiangsu Province, 214081, People's Republic of China;Tongwei Agricultural Development Co. Ltd., No.588, Middle Section, Tianfu Avenue, High-tech Zone, Chengdu, Sichuan, 610093, People's Republic of China ~72: HUANG, Dongyu;LIANG, Hualiang;MI, Haifeng;REN, Mingchun;TENG, Tao;ZHANG, Lu~ 33:CN ~31:202411246864.1 ~32:06/09/2024

2024/08038 ~ Complete ~54:TRICYCLIC PARP1 INHIBITORS AND USES THEREOF ~71:XINTHERA, INC., C/O GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: DONG, QING;HOFFMAN, ROBERT L.;KALDOR, STEPHEN W.;PINCHMAN, JOSEPH ROBERT;VA, PORINO JINJO~ 33:US ~31:63/336,078 ~32:28/04/2022

2024/08043 ~ Complete ~54:2-OXO-THIAZOLE DERIVATIVES AS A2A INHIBITORS AND COMPOUNDS FOR USE IN THE TREATMENT OF CANCERS ~71:ITEOS BELGIUM SA, RUE DES FRÈRES WRIGHT, 29, 6041 GOSSELIES, BELGIUM, Belgium ~72: CROSIGNANI, Stefano;GOMES, Bruno;HOUTHUYS, Erica~ 33:EP ~31:17163781.2 ~32:30/03/2017;33:EP ~31:17194084.4 ~32:29/09/2017;33:US ~31:62/565,281 ~32:29/09/2017;33:AR ~31:P 20180100778 ~32:28/03/2018

2024/08055 ~ Complete ~54:COMPOUNDS FOR INHIBITING KIF18A ~71:Volastra Therapeutics, Inc., 1361 Amsterdam Avenue, Suite 520, NEW YORK 10027, NY, USA, United States of America ~72: COGAN, Derek A.~ 33:US ~31:63/336,183 ~32:28/04/2022;33:US ~31:63/389,237 ~32:14/07/2022;33:US ~31:63/456,342 ~32:31/03/2023

2024/08042 ~ Complete ~54:APPLICATION OF A COMBINATION DEPRESSANT IN FLOTATION SEPARATION OF ASSOCIATED GOLD-SILVER LEAD-ZINC SULFIDE ORES AND AN APPLICATION METHOD THEREOF ~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: Chen Jin;Dianwen Liu;Guohui Wang;Hao Lai;Jianjun Sun;Jiaxiu Chen;Jinpeng Cai;Lv Zhao;Peilun Shen;Tianfu Zhang~ 33:CN ~31:202411338462.4 ~32:25/09/2024

2024/08048 ~ Complete ~54:HALOGEN-SUBSTITUTED ISOINDOLINE COMPOUND AND USE THEREOF ~71:CHENGDU FENDI PHARMACEUTICAL CO., LTD., 601, 6F, Building 3, No.16, Hemin Road, Zhonghe Street, Hi-tech Zone, Chengdu, China (Sichuan) Pilot Free Trade Zone, People's Republic of China ~72: CAI, Xin;HU, Wei;WANG, Liqiang~ 33:CN ~31:202210493924.4 ~32:29/04/2022

2024/08060 ~ Complete ~54:ANTI-HER2/ANTI-CD47 MOLECULES AND USES THEREOF ~71:WUXI BIOLOGICS IRELAND LIMITED, Mullagharlin, Dundalk, Co Louth, A91 X56F, Ireland ~72: FAGEN HU;HAOPENG RUI;JIANQING XU;JIAXIANG SHAO;JIJIE GU;JOHN FENYU JIN;QIN MEI;SHUANG WANG;SIWEI NIE;YUHONG SHEN;ZHIJIAN CHEN~ 33:CN ~31:PCT/CN2022/082951 ~32:25/03/2022

2024/08057 ~ Complete ~54:HETEROCYCLIC DERIVATIVES AS MITOGEN-ACTIVATED PROTEIN KINASE (MEK) INHIBITORS ~71:Nested Therapeutics, Inc., 1030 Massachusetts Avenue, Suite 401, CAMBRIDGE 02138, MA, USA, United States of America ~72: BELANGER, David;FITZGERALD, Mark;HALE, Jeffrey;HALE, Michael;HAN , Yongxin;ORTWINE, Daniel F.;OZEN, Aysegul~ 33:US ~31:63/334,447 ~32:25/04/2022;33:US ~31:63/417,823 ~32:20/10/2022

2024/08051 ~ Complete ~54:OPTIMIZATION METHOD OF LOCAL MICRO-SCALE CONTROLLED COOLING ~71:The Second Affiliated Hospital of Guangzhou Medical University, No.250 Changgang East Road, Haizhu District, Guangzhou, Guangdong, 510260, People's Republic of China ~72: Feng Xiong;Huiyong Chen;Jiawen Yin;Qing Qi~

2024/08056 ~ Complete ~54:METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS DIRECTED TO HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATIONS FOR SIDELINK COMMUNICATIONS IN UNLICENSED SPECTRUM ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: DENG, Tao;EL HAMSS, Aata;FREDA, Martino;HOANG, Tuong;LEE, Moon-il;TOOHER, Patrick~ 33:US ~31:63/335,134 ~32:26/04/2022;33:US ~31:63/395,620 ~32:05/08/2022;33:US ~31:63/421,632 ~32:02/11/2022

2024/08045 ~ Complete ~54:NANO ULTRASOUND CONTRAST AGENT (UCA) FOR ENHANCING IMMUNOTHERAPY AND PREPARATION METHOD AND APPLICATION THEREOF ~71:THE FIRST AFFILIATED HOSPITAL OF ZHENGZHOU UNIVERSITY, NO. 50, JIANSHE EAST ROAD, People's Republic of China ~72: GUO, Yizhen;LI, Jianbo;LI, Na;LIN, Weiwei;LIU, Lin;PENG, Youmei;SUN, Zhenqiang;TUO, Baojing;WANG, Xiuxia;YANG, Yang;ZHANG, Yan;ZHANG, Zhuangli~ 33:CN ~31:2024111092759 ~32:13/08/2024

2024/08050 ~ Complete ~54:AN ULTRA-SHORT BASELINE MOUNTING BRACKET ~71:China University of Petroleum(East China), No. 66, West Changjiang Road, Huangdao District, Qingdao City, Shandong Province, 266580, People's Republic of China ~72: Chi Zhang~

2024/08053 ~ Complete ~54:CONTAINER FOR USE WITH A MACHINE FOR PREPARING A BEVERAGE AND/OR FOODSTUFF, SYSTEM, USE, AND METHODS OF ENCODING AND READING PREPARATION INFORMATION ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KAESER, Stefan;OGGENFUSS, Christian;PERENTES, Alexandre~ 33:EP ~31:22166221.6 ~32:31/03/2022

2024/08059 ~ Complete ~54:SOLID EXTENDED-RELEASE COMPOSITION COMPRISING BRADYKININ B2-RECEPTOR ANTAGONISTS ~71:PHARVARIS GMBH, Grafenauweg 8, 6300 Zug, Switzerland ~72: CHRISTOPH GIBSON~ 33:EP ~31:22164471.9 ~32:25/03/2022

2024/08049 ~ Complete ~54:PROCESS FOR ABSORBING CARBON DIOXYDE BY PHOSPHOGYPSUM ~71:OCP SA, Hay Erraha Rue Al Abtal n° 2-4, Morocco;UNIVERSITE MOHAMMED VI POLYTECHNIQUE, Lot 660 Hay Moulay Rachid, Morocco ~72: BENHIDA, Rachid;BOULIF, Rachid;DHIBA, Driss;HASSOUNE, Hicham;LACHEHAB, Adil~ 33:FR ~31:2202678 ~32:25/03/2022

2024/08062 ~ Complete ~54:WEIGHING DEVICE, AUTOMATIC SYSTEM TO CONTROL THE FEED OF CHARGE MATERIAL INTO A FURNACE, APPARATUS THAT USES THE SYSTEM AND CORRESPONDING METHOD ~71:DANIELI & C. OFFICINE MECCANICHE S.P.A., Via Nazionale, 41, Italy ~72: RIGA, Enrico;SCOTTI, Franco~ 33:IT ~31:102022000005909 ~32:25/03/2022

2024/08031 ~ Provisional ~54:MAGNETIC AND PRESSURE SENSING JOYSTICK/THUMB STICK ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr.;RADEMEYER, Daniel Barend~

2024/08033 ~ Provisional ~54:HIGH VOLTAGE CABLE INSULATION ENCLOSURE WITH INTEGRATED FARADAY CAGE ISOLATED BETWEEN INSULATED LAYERS ~71:Neill Human, 11 Maggie Laubser Street, South Africa ~72: Neill Human~

2024/08036 ~ Complete ~54:ALUMINUM ALLOY MATERIAL CONTINUOUS CONVEYING APPARATUS ~71:Tangshan University, 11 Daxue West Road, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: DI, Jingyu;LI, Jing;LIU, Jian;MA, Zhuang;SUN, Xiuwei;ZHAO, Jing~

2024/08037 ~ Complete ~54:DYNAMIC CLOSED SEEPAGE SIMULATION TEST APPARATUS FOR FISSURES OF MINING-FRACTURED ROCK MASSES ~71:CCTEG Xi'an Research Institute (Group) Co. Ltd., No. 82, Jinye 1st Road, High tech Zone, Xi'an City, Shaanxi Province, 072750, People's Republic of China;Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, No. 1350, Kechuang Road, (Toutunhe District), Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China;North China University of Water Resources and Electric Power, No. 136, Jinshui East Road, Zhengzhou City, Henan Province, 450046, People's Republic of China;Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering, No. 1350, Kechuang Road, Toutunhe District, Urumqi Economic and Technological Development Zone, Xinjiang, 830023, People's Republic of China ~72: JIANG, Tong;LI, Tianhui;WANG, Hai;WANG, Wenxue;ZHANG, Xin;ZHENG, Kaidan~

2024/08044 ~ Complete ~54:APPARATUS USED FOR CONTINUOUSLY QUANTITATIVELY INSEMINATING EWES ~71:HENAN PROVINCIAL ANIMAL HUSBANDRY TECHNOLOGY EXTENSION GENERAL STATION, NO. 91 JINGSAN ROAD, People's Republic of China ~72: WANG, Xianwei;ZHANG, Jiaqing~

2024/08047 ~ Complete ~54:SYSTEMS AND METHODS FOR VISION-BASED PLANT DETECTION AND SCOUTING APPLICATION TECHNOLOGY ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: DAVIDOVICS, Ryan Paul;GUO, Ben;LOCKETT, Mark Andrew~ 33:US ~31:63/363,981 ~32:02/05/2022

2024/08054 ~ Complete ~54:THIAZOLO [5,4-B] PYRIDINE MALT-1 INHIBITORS ~71:AbbVie Inc., 1 North Waukegan Road, Ap34-2, NORTH CHICAGO 60064, IL, USA, United States of America ~72: COHEN, Daniel Tzvi;GONG, Jane;JAIN, Tarun;KUMAR, Puneet;LIU, Dachun;MASTRACCHIO, Anthony;MILLS, Mark;PHILLIPS, Andrew William;PRATT, John K.;PUNNA, Sreenivas;STOCKWELL, Jennifer Ann;WANG, Le;YU, Yiyun~ 33:US ~31:63/362,302 ~32:31/03/2022

2024/08061 ~ Complete ~54:BENZOTRIAZOLE COMPOUND ~71:DAIICHI SANKYO COMPANY, LIMITED, 3-5-1, Nihonbashi Honcho, Chuo-ku, Tokyo, 1038426, Japan;KYOTO PHARMACEUTICAL INDUSTRIES, LTD., 38, Nishinokyo Tsukinowa-cho, Nakakyo-ku, Kyoto-shi, Kyoto, 6048444, Japan ~72: JUNYA KAWAI;KAZUYA OTAKE;KEN ISHII;MASAFUMI ANDO;MASAFUMI OFUKU;MASAHARU INUI;MASAKI MIYAZAKI;MASAYA FUJII;RIEKO TAKANO;SHUNSUKE TAKASHIMA;TEPPEI FUJIMOTO;WAKANA YOKOZEKI;YOSHIHIRO OGURA~ 33:JP ~31:2022-075223 ~32:28/04/2022

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2024/08077 ~ Complete ~54:SYSTEMS AND METHODS FOR MANAGING ASSIGNMENTS OF TASKS FOR WORK MACHINES USING MACHINE LEARNING ~71:CATERPILLAR INC., 100 NE Adams Street – AB6450 Peoria, Illinois, 61629-6450, United States of America ~72: ANDREW S YUN;CAMERON T LANE;STEFAN J WULF~ 33:US ~31:63/355,410 ~32:24/06/2022;33:US ~31:17/936,462 ~32:29/09/2022

2024/08083 ~ Complete ~54:NOVEL ANTI-FGFR2 ANTIBODIES ~71:Hangzhou Zhongmeihuadong Pharmaceutical Co., Ltd., No.866, Moganshan Road, Gongshu District, HANGZHOU 310011, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: DU, Qinglin;HAN, Shuhua;PENG, Fei;YANG, Xueyan;ZHOU, Tiantian~ 33:IB ~31:2022/083269 ~32:28/03/2022

2024/08072 ~ Complete ~54:PYRIMIDINE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL USE THEREOF ~71:ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., 12F, Building 56, No.1000 Jinhai Road, City of Elite, Pudong New Area, Shanghai 201203, People's Republic of China;JIANGSU YAHONG MEDITECH CO., LTD., D-1009, New Drug Innovation Base, No. 1, Yaocheng Avenue, CMC Taizhou, Jiangsu, 225316, People's Republic of China ~72: MAOJIANG WU;QIAOLING SUN;TIELIN WANG;XIA SONG;ZHI MENG~ 33:CN ~31:202210472813.5 ~32:29/04/2022;33:CN ~31:202310079788.9 ~32:20/01/2023

2024/08078 ~ Complete ~54:PROCESS FOR THE PRODUCTION OF ESTETROL INTERMEDIATES ~71:Estetra SRL, Rue Saint-Georges 5, LIÈGE 4000, BELGIUM, Belgium ~72: CORNUT, Damien;DUBART, Amaury~ 33:EP ~31:22170139.4 ~32:26/04/2022;33:EP ~31:22216494.9 ~32:23/12/2022

2024/08075 ~ Complete ~54:METAL MATRIX COMPOSITE GRINDING BALL ~71:MAGOTTEAUX INTERNATIONAL S.A., Rue Adolphe Dumont, 4051, Vaux-sous-Chèvremont, Belgium ~72: MARC BABINEAU;MARC MERTENS;STÉPHANE DESILES~ 33:EP ~31:22182591.2 ~32:01/07/2022

2024/08066 ~ Complete ~54:ONE-COMPONENT SILANE-MODIFIED POLYETHER SEALANT AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Yingying;FENG Qiao;LI Guili;WANG Zongtao;ZHANG Chunmei;ZHAO Yaqi~

2024/08070 ~ Complete ~54:LADDER MOTOR PUMP SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street - AB6450, United States of America ~72: GERGES, Raymond B.;JACKSON, Michael T.~ 33:US ~31:17/733,832 ~32:29/04/2022

2024/08074 ~ Complete ~54:COMPRESSION MOULDING DEVICE AND METHOD ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: DAVIDE ZANOTTI;ELEONORA BALDUCCI;FABRIZIO PUCCI;FIORENZO PARRINELLO;FRANCESCO PIRAZZOLI;GIOVANNI MAZZOTTI~ 33:IT ~31:102022000010850 ~32:25/05/2022

2024/08076 ~ Complete ~54:AZA-TETRACYCLIC OXAZEPINE COMPOUNDS AND USES THEREOF ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: BINQING WEI;CHRISTIAN NILEWSKI;ELISIA VILLEMURE;LEWIS JOHN GAZZARD;MATTHEW LEO LANDRY;MELISSA ANN ASHLEY;MICHAEL SIU;SAMANTHA ALYSON GREEN;STEVEN DO;YONG WANG~ 33:US ~31:63/343,959 ~32:19/05/2022

2024/08067 ~ Complete ~54:BANANA PANAMA DISEASE DRUG SPRAY FORMULA AND CONTROL METHOD THEREOF ~71:Dazhuo Yang, Room 404, Unit 1, Building 2, No. 2, Renmin Street, Qianshan Town, Xuwen County, Zhanjiang City, Guangdong Province, People's Republic of China ~72: Dazhuo Yang~ 33:CN ~31:2024108056263 ~32:21/06/2024

2024/08071 ~ Complete ~54:ARTICLES OF MANUFACTURE RELATING TO IC MODULES AND SMART CARDS ~71:SMARTFLEX TECHNOLOGY PTE LTD, 37A Tampines Street 92, #03-01, Singapore ~72: NG, Eng Seng;PANG, Sze Yong~ 33:US ~31:63/491,732 ~32:22/03/2023

2024/08082 ~ Complete ~54:PREPARATIONS CONTAINING ANTI-CLAUDIN18.2/CD3 BISPECIFIC ANTIBODY, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Fortvita Biologics (Singapore) Pte. Ltd., 38 Beach Road, #29-11 South Beach Tower, SINGAPORE 189767, SINGAPORE, Singapore ~72: DING, Xuejian;MA, Yidong~ 33:CN ~31:202210311376.9 ~32:28/03/2022

2024/08085 ~ Complete ~54:MULTI-FUNCTIONAL CHILDREN'S VEHICLE ~71:SCOOT & RIDE HOLDING GMBH, Steiffstraße 1, 4710, Austria ~72: BERNDORFER, Wolfgang;KIRCHSCHLAGER, Robert~ 33:AT ~31:A50341/2022 ~32:12/05/2022

2024/08065 ~ Complete ~54:SPRAYING DEVICE FOR SPRAYING GRANULAR AND VISCOUS ORCHARD GREEN HERBICIDES ~71:ZHAOQING UNIVERSITY, Donggang, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: GUO Yanjun;JI Qianhua;YANG Fengmei~

2024/08069 ~ Complete ~54:CATALYST SYSTEM FOR A FLOW REACTOR, AND METHOD FOR THE CATALYTIC OXIDATION OF AMMONIA ~71:HERAEUS PRECIOUS METALS GMBH & CO. KG, Heraeusstraße 12-14, Germany ~72: HESSE, Jens;HIRSCHEL, Pascal;JANTSCH, Uwe;MAIER, Dirk~ 33:EP ~31:22175273.6 ~32:25/05/2022

2024/08079 ~ Complete ~54:RAIL CONVEYOR SYSTEMS ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: CORRIVEAU, Robert;KOSTADINOV, Iavor;LURIE, Martin;SVIRSKY, Vladimir;WEGENER, Jonathan~ 33:US ~31:63/335,695 ~32:27/04/2022

2024/08084 ~ Complete ~54:CHILDREN'S VEHICLE WITH ROTARY STEERING AND WEIGHT-SHIFT STEERING ~71:SCOOT & RIDE HOLDING GMBH, Steiffstraße 1, 4710, Austria ~72: KIRCHSCHLAGER, Robert~ 33:AT ~31:A 50320/2022 ~32:06/05/2022

2024/08064 ~ Complete ~54:APPLICATION AND IDENTIFICATION METHOD OF 2-OCTYL-3-ISOTHIAZOLINONE IN PREVENTING AND CONTROLLING TOBACCO FUNGAL DISEASES ~71:Guizhou Tobacco Company Zunyi City Company, No. 341 Renmin Road, Huichuan District, Zunyi, Guizhou, 563099, People's Republic of China ~72: Chengxing Zhang;Donglin Zhao;Jianyu Gou;Jing Liu;Jun Wan;Kangwen Xu;Konghua Xie;Mingxia Wen;Qianxiang Zhu;Xiaobin Han;Xiaoyan Wang;Yiting Fu;Yulong Peng~ 33:CN ~31:CN202411111494.0 ~32:14/08/2024

2024/08063 ~ Provisional ~54:AGRICULTURE SYSTEM AND METHOD ~71:MATLALA, Kgosietsile Kirabo, 300, Castellet Country Estate, Syringa Avenue, South Africa ~72: MATLALA, Kgosietsile Kirabo~

2024/08081 ~ Complete ~54:HOT-STAMPED COMPONENT HAVING HIGH COLD-BENDING PERFORMANCE AND HIGH STRENGTH, AND MANUFACTURING METHOD THEREFOR ~71:Baoshan Iron & Steel Co., Ltd., No. 885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: JIN, Xinyan;LIU, Hao;MA, Xuedan;TAN, Ning~ 33:CN ~31:202210311710.0 ~32:28/03/2022

2024/08068 ~ Complete ~54:AN INTEGRATED HEAP LEACH PROCESS ~71:ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom;ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, 144 Oxford Road, Rosebank, 2196, South Africa ~72: ANTHONY OWEN FILMER;CHRISTOPHER ALAN BILEY;DANIEL JOHN (DECEASED) ALEXANDER~ 33:US ~31:63/053,104 ~32:17/07/2020

2024/08073 ~ Complete ~54:LIQUID-TIGHT CASE FOR TISSUE DEVICE AND SYSTEM HAVING SAME ~71:3D BIOLABS, LLC, 285 Wilmington-West Chester Pike, Chadds Ford, Pennsylvania, 19317, United States of America ~72: CRAIG NEVILLE;JOSEPH PHILLIP VACANTI;MATTHEW JAMES HANCOCK;NICOLE

MATTSON;TATEVIK SAHAKYANTS;TYLER LIEBERTHAL~ 33:US ~31:63/333,905 ~32:22/04/2022;33:US ~31:63/495,046 ~32:07/04/2023

2024/08080 ~ Complete ~54:COKE OVEN ROOF REPAIR OR REPLACEMENT ~71:Paul Wurth S.A., 32, rue d'Alsace, LUXEMBOURG 1122, LUXEMBOURG, Luxembourg ~72: DEL PIA, Marco;LAVIOSA, Cesare;POGGI, Ermanno~ 33:LU ~31:LU502499 ~32:13/07/2022

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

Application Number	Assignor	Assignee
2018/01315	CONTRAFECT CORPORATION	AUROBAC THERAPEUTICS SAS
2020/03509	CONTRAFECT CORPORATION	AUROBAC THERAPEUTICS SAS
2023/06448	CUREVAC SE	GLAXOSMITHKLINE BIOLOGICALS SA
2019/00533	FRAUSCHER SENSORTECHNIK GMBH	SENSONIC GMBH
2020/02685	ELEMENT SIX GMBH	EPIROC DRILLING TOOLS AKTIEBOLAG
2024/00985	NUCLEAR RESEARCH AND CONSULTANCY GROUP	STICHTING NUCLEAR RESEARCH AND CONSULTANCY GROUP
2022/05785	NUCLEAR RESEARCH AND CONSULTANCY GROUP	STICHTING NUCLEAR RESEARCH AND CONSULTANCY GROUP
2018/04731	MERIAL, INC.	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.
2018/04731	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	GENZYME CORPORATION
2024/00205	WENZHOU POLYTECHNIC	SHANGHAI XUNYU INDUSTRIAL CO., LTD
2014/02895	JUROX PTY LTD	ZOETIS SERVICES LLC
2024/01177	BEIJING CENTURY LIANBAO NEW ENERGY TECHNOLOGY CO., LTD.	BEIJING CENTURY LIANBAO NEW FIRE PROTECTION TECHNOLOGY CO., LTD.
2016/08209	RADIUS PHARMACEUTICALS, INC.	FRESH CUT DEVELOPMENT, LLC
2022/09964	ROHM GMBH	POLYVANTIS GMBH
2016/08729	ROHM GMBH	POLYVANTIS GMBH
2021/04322	ROHM GMBH	POLYVANTIS GMBH
2022/09966	ROHM GMBH	POLYVANTIS GMBH
2024/05882	AIR PRODUCTS AND CHEMICALS, INC.	HERCULES PROJECT COMPANY LLC
2020/00964	SUNCOR ENERGY INC.	NUTRIEN AG SOLUTIONS (CANADA) INC.
2020/06450	SUNCOR ENERGY INC.	NUTRIEN AG SOLUTIONS (CANADA) INC.
2021/05107	SUNCOR ENERGY INC.	NUTRIEN AG SOLUTIONS (CANADA) INC.
2021/05282	SUNCOR ENERGY INC.	NUTRIEN AG SOLUTIONS (CANADA) INC.
2021/05283	SUNCOR ENERGY INC.	NUTRIEN AG SOLUTIONS (CANADA) INC.
2017/03155	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2014/06915	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2017/07325	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET	NALWA SPECIAL STEEL (RAIGARH) LIMITED

Application Number	Assignor	Assignee
	L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	
2014/05930	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2014/06144	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2014/06985	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2014/05074	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2016/04361	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2016/04747	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED
2020/05695	TOMAS BJORKLUND MARCUS DAVIDSSON	BRAVE BIOSCIENCE AB
2017/05868	SMITHS MEDICAL ASD, INC.	ICU MEDICAL, INC.
2012/07979	SMITHS MEDICAL ASD, INC.	ICU MEDICAL, INC.
2015/06173	ORTHOGRID SYSTEMS HOLDINGS, LLC	ORTHOGRID SYSTEMS, INC.
2014/01222	ORTHOGRID SYSTEMS HOLDINGS, LLC	ORTHOGRID SYSTEMS, INC.
2022/12948	SMITHS MEDICAL ASD, INC.	ICU MEDICAL, INC.
2010/08654	RETURNHAULERS PROPRIETARY LIMITED	IMPERIAL LOGISTICS SOUTH AFRICA GROUP PROPRITARY LIMITED
2014/09396	SHIRE HUMAN GENETIC THERAPIES, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2009/02495	PF CONSUMER HEALTHCARE 1 LLC	GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC
2009/02495	HALEON US HOLDINGS LLC	CASTOR BRANDS COMPANY LLC
2020/05425	JONATHAN JACQUES	4D VISION CORP
2021/04470	ONCORUS, INC.	ELEVATEBIO TECHNOLOGIES, INC.
2018/03289	SHIRE HUMAN GENETIC THERAPIES, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2022/04441	SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.	WUHAN CREATERNA SCIENCE AND TECHNOLOGY CO., LTD.
2023/09115	SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.	WUHAN CREATERNA SCIENCE AND TECHNOLOGY CO., LTD.
2020/01575	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	UNIVERSITE DE PERPIGNAN VIA DOMITIA

Application Number	Assignor	Assignee
2022/10490	YANG, MANJUN	VEGETABLE RESEARCH INSTITUTE, ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES, TIBET AUTONOMOUS REGION
2022/10489	YANG, MANJUN	VEGETABLE RESEARCH INSTITUTE, ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES, TIBET AUTONOMOUS REGION
2005/02045	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2005/02045	CHENANGO ZERO LLC	CHENANGO TWO LLC
2005/02045	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2006/00262	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2006/00262	CHENANGO ZERO LLC	CHENANGO TWO LLC
2006/00262	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2006/09448	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2006/09448	CHENANGO ZERO LLC	CHENANGO TWO LLC
2006/09448	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2006/09503	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2006/09503	CHENANGO ZERO LLC	CHENANGO TWO LLC
2006/09503	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2007/08155	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2007/08155	CHENANGO ZERO LLC	CHENANGO TWO LLC
2007/08155	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2008/01607	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2008/01607	CHENANGO ZERO LLC	CHENANGO TWO LLC
2008/01607	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2008/03896	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2008/03896	CHENANGO ZERO LLC	CHENANGO TWO LLC
2008/03896	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2010/09214	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2010/09214	CHENANGO ZERO LLC	CHENANGO TWO LLC
2010/09214	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/01445	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/01445	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/01445	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/014444	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/01444	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/01444	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/07044	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/07044	CHENANGO ZERO LLC	CHENANGO TWO LLC

Application Number	Assignor	Assignee
2012/07044	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/07045	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/07045	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/07045	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/07046	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/07046	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/07046	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/07047	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/07047	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/07047	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/09652	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/09652	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/09652	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2012/09653	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2012/09653	CHENANGO ZERO LLC	CHENANGO TWO LLC
2012/09653	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2013/00617	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2013/00617	CHENANGO ZERO LLC	CHENANGO TWO LLC
2013/00617	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2013/04820	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2013/04820	CHENANGO ZERO LLC	CHENANGO TWO LLC
2013/04820	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2013/07435	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2013/07435	CHENANGO ZERO LLC	CHENANGO TWO LLC
2013/07435	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2014/04976	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2014/04976	CHENANGO ZERO LLC	CHENANGO TWO LLC
2014/04976	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2014/04977	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2014/04977	CHENANGO ZERO LLC	CHENANGO TWO LLC
2014/04977	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2014/07242	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2014/07242	CHENANGO ZERO LLC	CHENANGO TWO LLC
2014/07242	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2015/07182	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2015/07182	CHENANGO ZERO LLC	CHENANGO TWO LLC
2015/07182	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2015/07183	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC

Application Number	Assignor	Assignee
2015/07183	CHENANGO ZERO LLC	CHENANGO TWO LLC
2015/07183	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2015/07185	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2015/07185	CHENANGO ZERO LLC	CHENANGO TWO LLC
2015/07185	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2015/07186	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2015/07186	CHENANGO ZERO LLC	CHENANGO TWO LLC
2015/07186	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/01452	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/01452	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/01452	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/02754	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/02754	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/02754	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/03804	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/03804	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/03804	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/04188	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/04188	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/04188	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/04794	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/04794	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/04794	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2017/06731	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2017/06731	CHENANGO ZERO LLC	CHENANGO TWO LLC
2017/06731	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/02490	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/02490	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/02490	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/02666	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/02666	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/02666	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/03518	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/03518	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/03518	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/03545	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/03545	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/03545	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/03554	JOHNSON & JOHNSON	CHENANGO ZERO LLC

Application Number	Assignor	Assignee
	CONSUMER INC.	
2018/03554	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/03554	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/03555	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/03555	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/03555	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/05065	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/05065	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/05065	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/06075	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/06075	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/06075	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2018/06565	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2018/06565	CHENANGO ZERO LLC	CHENANGO TWO LLC
2018/06565	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/00265	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/00265	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/00265	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/03875	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/03875	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/03875	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/04779	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/04779	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/04779	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/04780	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/04780	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/04780	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/08023	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/08023	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/08023	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/08358	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/08358	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/08358	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2019/08491	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/08491	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/08491	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/00598	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/00598	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/00598	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.

Application Number	Assignor	Assignee
2020/00905	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/00905	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/00905	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/04107	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/04107	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/04107	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/04145	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/04145	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/04145	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/04824	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/04824	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/04824	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/04459	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2020/04459	CHENANGO ZERO LLC	CHENANGO TWO LLC
2020/04459	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2021/05025	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2021/05025	CHENANGO ZERO LLC	CHENANGO TWO LLC
2021/05025	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2022/09844	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2022/09844	CHENANGO ZERO LLC	CHENANGO TWO LLC
2022/09844	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2021/10256	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2021/10256	CHENANGO ZERO LLC	CHENANGO TWO LLC
2021/10256	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2022/13892	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2022/13892	CHENANGO ZERO LLC	CHENANGO TWO LLC
2022/13892	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2013/01156	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2011/00709	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2012/06293	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2012/06180	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2012/07335	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2012/00470	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2007/10207	MMAG CO., LTD.	MITSUI CHEMICALS AGRO, INC.
2017/04944	ELI LILLY AND COMPANY	AMPHASTAR PHARMACEUTICALS, INC.
2019/01241	ELI LILLY AND COMPANY	AMPHASTAR PHARMACEUTICALS, INC.
2021/06245	ELI LILLY AND COMPANY	AMPHASTAR PHARMACEUTICALS, INC.
2022/10347	ELI LILLY AND COMPANY	AMPHASTAR PHARMACEUTICALS, INC.
2011/06367	MBDA FRANCE	SERA INGENIERIE
2011/04323	MBDA FRANCE	SERA INGENIERIE
201104321	MBDA FRANCE	SERA INGENIERIE
2024/02901	MMAG CO., LTD.	MITSUI CHEMICALS CROP & LIFE

Application Number	Assignor	Assignee
		SOLUTIONS, INC.
2024/02985	MMAG CO., LTD.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2021/06664	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
202105444	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2020/02079	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2021/01992	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2019/06677	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2020/02084	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2020/02074	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2022/00262	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2023/07435	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2021/00014	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2021/06798	VID SCALE, INC.	INTERDIGITAL VC HOLDINGS, INC.
2007/07942	EVOLVA SA	DANSTAR FERMENT AG
2022/01025	RIBON THERAPEUTICS, INC.	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022/10036	AMPLYX PHARMACEUTICALS, INC.	BASILEA PHARMACEUTICA INTERNATIONAL AG, ALLSHWIL
2018/02088	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2014/05163	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2016/00210	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2016/00669	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2019/01321	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2018/02420	AGIOS PHARMACEUTICALS, INC.	LES LABORATOIRES SERVIER
2016/07460	FRANKE TECHNOLOGY AND TRADEMARK LTD	WSP INVESTMENT II BV
2016/07461	FRANKE TECHNOLOGY AND TRADEMARK LTD	WSP INVESTMENT II BV
2023/00383	AMPHLYX PHARMACEUTICALS, INC.	BASILEA PHARMACEUTICA INTERNATIONAL AG, ALLSCHWIL
2019/00907	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2019/00778	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2919/02906	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2019/04742	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2019/04892	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2019/06250	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2021/02673	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2020/06732	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2020/03875	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2020/03873	FG INNOVATION COMPANY	SHARP KABUSHIKI KAISHA

Application Number	Assignor	Assignee
	LIMITED	
2020/04183	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2020/01173	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2019/07142	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2020/00348	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2024/00514	HRH PROJECTS (PTY) LTD.	HRH RUBBER PRODUCTS CC
2009/02495	GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC	HALEON US HOLDINGS LLC
2024/06520	M-TEK CONSTRUCTION PRODUCTS (PTY) LTD.	HYDROSTRUCT (PTY) LTD
2005/02045	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2006/00262	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2006/09448	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2006/09503	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2007/08155	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2008/01607	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2008/03896	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2010/09214	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/01445	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/01444	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/07044	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/07046	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/07047	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2012/09652	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.

Application Number	In the name of	New name
2012/09653	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2013/00617	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2013/04820	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2013/07435	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2014/04976	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2014/04977	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2014/07242	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2015/07182	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2015/07183	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2015/07185	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2015/07186	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/01452	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/02754	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/03804	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/04188	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/04794	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2017/06731	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/02490	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/02666	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/03518	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/03545	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/03554	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/03555	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/05065	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/06075	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2018/06565	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.

Application Number	In the name of	New name
2019/00265	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/03875	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/04779	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/04780	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/08023	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/08358	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2019/08491	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/00598	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/00905	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/04107	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/04145	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/04824	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2020/04459	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2021/05025	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2022/09844	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2021/10256	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2022/13892	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2013/01156	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2011/00709	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2012/06293	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2011/07695	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2012/06180	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2012/07335	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2015/00470	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2007/10207	MITSUI CHEMICALS AGRO, INC.	MITSUI CHEMICALS CROP & LIFE SOLUTIONS, INC.
2008/10738	DUPONT NUTRITION BIOSCIENCE APS	INTERNATIONAL N&H DENMARK APS

Application Number	In the name of	New name
2022/02797	FORTY SEVEN, INC.	FORTY SEVEN, LLC.
2022/10839	FORTY SEVEN, INC.	FORTY SEVEN, LLC.
2021/03190	FORTY SEVEN, INC.	FORTY SEVEN, LLC.
2022/02796	FORTY SEVEN, INC.	FORTY SEVEN, LLC.
2011/08631	SOUTH AFRICAN MINING & ENGINEERING SUPPLIES CC	ALTECRETE CC
2010/00675	BYOTROL PLC	BYOTROL LIMITED
2010/01882	BYOTROL PLC	BYOTROL LIMITED

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

Application Number	Licensor	Licensee
2021/10264	ENTERSEKT INTERNATIONAL LIMITED	ENTERSEKT (PTY) LTD
2017/03117	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	NALWA SPECIAL STEEL (RAIGARH) LIMITED

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/09072	WITHDRAWN	14/10/2024
2023/04887	WITHDRAWN	17/10/2024
2023/04888	WITHDRAWN	17/10/2024

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 **DARREN SEAN GLEN.** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2016/07307** entitled **FASTENING COMPONENT,** dated **24/10/2016**, which lapsed on **24/10/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **SABRE SHUBANE TECHNOLOGIES (Pty) Ltd** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2013/06978** entitled **MINE**

SUPPORT, dated **17/09/2013**, which lapsed on **17/09/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **MANFRED NEUSTIFTER,** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2017/04990** entitled **CONTINUOUS FLOW PAYMENTS,** dated **22/12/2015**, which lapsed on **25/03/2020** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

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: HOWARD HUGHES MEDICAL INSTITUTE. of **4000 JONES BRIDGE ROAD, CHEVY CHASE, MARYLAND, 20815-6789, UNITED STATES OF AMERICA**. Request permission to amend the specification of letters patent no **2019/00456** of **22 JANUARY 2019** for **MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HOWARD HUGHES MEDICAL INSTITUTE. of **4000 JONES BRIDGE ROAD, CHEVY CHASE, MARYLAND, 20815-6789, UNITED STATES OF AMERICA**. Request permission to amend the specification of letters patent no **2020/03041** of **22 MAY 2020** for **MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HOWARD HUGHES MEDICAL INSTITUTE. of **4000 JONES BRIDGE ROAD, CHEVY CHASE, MARYLAND, 20815-6789, UNITED STATES OF AMERICA**. Request permission to amend the specification of letters patent no: **2021/01867** of **19 MARCH 2021** for **MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HOWARD HUGHES MEDICAL INSTITUTE. of **4000 JONES BRIDGE ROAD, CHEVY CHASE, MARYLAND, 20815-6789, UNITED STATES OF AMERICA**. Request permission to amend the specification of letters patent no: **2021/03620** of **27 MAY 2021** for **MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HYDROMECANIQUE ET FROTTEMENT 69 Rue Benoît, Fourneyron F-42160 Andrezieux Boutheon. Request permission to amend the specification of letters patent no: **2021/00017** of **04/01/2021** for **HINGED COMPONENT, AND MECHANICAL SYSTEM COMPRISING SUCH A COMPONENT.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: UNIVERSITY OF CAPE TOWN Lovers Walk 7700 Rondebosch, Cape Town. Request permission to amend the specification of letters patent no: **2020/03113** of **26/05/2020** for **METHOD OF SYNTHESISING 6-DEOXY-6-AMINO-ß-D-GLUCOPYRANOSIDE-CONTAINING POLYMERS.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HETERO LABS LIMITED Plot No B-80 & 81, A.P.I.E, Balanagar Hyderabad 500018. Request permission to amend the specification of letters no: **2021/06037** of **20/08/2021** for **NOVEL TRITERPENE DERIVATIVES AS HIV INHIBITORS.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: LI, Chunou Room 2602, No. 3, Huacheng Avenue Guangdong 510623 Tianhe District, Guangzhou. Request permission to amend the specification of letters patent: **2021/05443** of **30/07/2021** for **SPIRAL CHUTE FOR MINERAL PROCESSING.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: STELLENBOSCH UNIVERSITY Admin B, Victoria Street, Stellenbosch 7600 Western Cape Province. Request permission to amend the specification of letters patent no: **2021/10059** of **07/12/2021** for **VENTILATION SYSTEM AND APPARATUS FOR REARING INSECTS.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: Novo Nordisk Health Care AG The Circle 32/38, Zürich 8058. Request permission to amend the specification of letters patent no: **2019/06278** of **23/09/2019** for **PYRROLOPYRROLE COMPOSITIONS AS PYRUVATE KINASE (PKR) ACTIVATORS.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: TIP AGRI (PTY) LIMITED 25 Dan Pienaar Road, Kloof, Durban 3610 Kwa-Zulu Natal. Request permission to amend the specification of letters patent no: **2020/02391** of **04/05/2020** for **PLANT TREATMENT.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HETERO LABS LIMITED Plot No B-80 & 81, A.P.I.E, Balanagar Hyderabad 500018. Request permission to amend the specification of letters patent no: **2021/06037** of **20/08/2021** for **NOVEL TRITERPENE DERIVATIVES AS HIV INHIBITORS.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: CHRYSO 19 Place de la Resistance 92440 Issy les Moulineaux. Request permission to amend the specification of letters patent no: **2021/02280** of **06/04/2021** for **METHOD FOR USING ALKANOLAMINE IN A GRINDER.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: FARMATOME 1 Place Jean Millier, Tour Areva 92400 Courbevole. Request permission to amend the specification of letters patent no: **2020/03672** of **18/06/2020** for **METHOD FOR DERTERMINING AT LEAST ONE THRESHOLD VALUE OF AT LEAST ONE OPERATING PARAMETER OF NUCLEAR REACTOR, ASSOCIATED COMPUTER PROGRAM AND ELECTRONIC SYSTEM.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: HYDROMECANIQUE ET FROTTEMENT 69 AVENUE Benoit Fourneyron 42160 Andrezleux-Boutheon. Request permission to amend the specification of letters patent no: **2021/08964** of **11/11/2021** for **GUIDING MEMBER, MECHANICAL SYSTEM COMPROSING SUCH A GUDING MEMBER, AND METHOD FOR PRODUCING SUCH A GUIDING MEMBER.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office .

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

Applicant: MOBIUS TECHNOLOGIES, LLC 251 Northwood Way, Suite B Ketchum, Idaho 83340. Request permission to amend the specification of letters patent no: **2022/13043** of **07/01/2022** for **CABLE BRACE SYSTEM.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of patents

MOBIUS TECHNOLOGIES, LLC 251 Northwood Way, Suite B Ketchum, Idaho 83340. Request permission to amend the specification of letters patent no: **2022/00395 of 07/01/2022** for **CABLE BRACE SYSTEM.**

A copy of the original specification on which the proposed amendment is indicated inred, is now available for public inspection at the Patent Office

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 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.

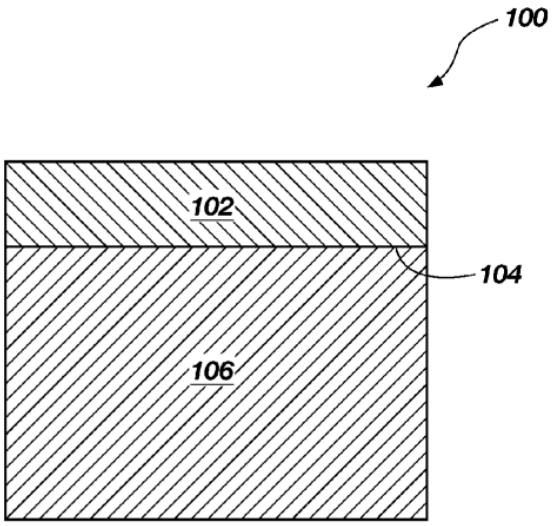
THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

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.

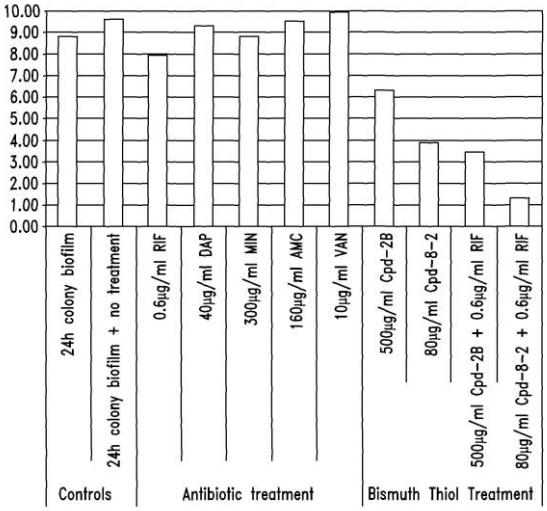
The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(43)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

Registrar of Patents

21: 2012/03150. 22: 2012/05/02. 43: 2024/09/17
51: B22F; C22C
71: US SYNTHETIC CORPORATION
72: SANI MOHAMMAD N, GONZALEZ JAIR J, DADSON ANDREW E, MUKHOPADHYAY DEBKUMAR
33: US 31: 12/608.155 32: 2009-10-29
54: POLYCRYSTALLINE DIAMOND COMPACTS, AND RELATED METHODS AND APPLICATIONS
00: -
Embodiments of the invention relate to polycrystalline diamond compacts ("PDCs") and methods of fabricating polycrystalline diamond tables and PDCs in a manner that facilitates removal of metal-solvent catalyst used in the manufacture of polycrystalline diamond tables of such PDCs. In an embodiment, sacrificial particles may be mixed with diamond particles that facilitate removal of the metal-solvent catalyst from the sintered polycrystalline diamond table during leaching.



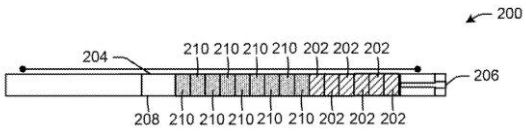
21: 2013/01841. 22: 2013/03/11. 43: 2024/08/05
51: A01N; A01P; A61K
71: Microbion Corporation
72: BAKER, Brett Hugh James
33: US 31: 61/373,188 32: 2010-08-12
54: BISMUTH-THIOLS AS ANTISEPTICS FOR AGRICULTURAL, INDUSTRIAL AND OTHER USES
00: -
Compositions and methods, including novel homogeneous microparticulate suspensions, are described for treating natural and artificial surfaces that contain bacterial biofilm, including unexpected synergy or enhancing effects between bismuth-thiol (BT) compounds and certain antibiotics, to provide formulations including antiseptic formulations. Previously unpredicted antibacterial properties and anti-biofilm properties of disclosed BT compounds and BT compound-plus-antibiotic combinations are also described, including preferential efficacies of certain such compositions for treating certain gram-positive bacterial infections, and distinct preferential efficacies of certain such compositions for treating certain gram-negative bacterial infections.



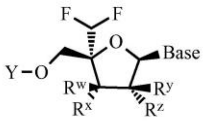
21: 2016/00523. 22: 2016/01/25. 43: 2024/08/05
51: C07K; C12N
71: AMGEN INC.
72: XIONG, Yumei, ZHANG, Yi, SHENG, Jackie Z., HAMBURGER, Agnes Eva, VENIANT-ELLISON, Murielle, SHIMAMOTO, Grant, MIN, Xiaoshan, WANG, Zhulun, TANG, Jie, KANNAN, Gunasekaran, MOCK, Marissa, WALKER, Kenneth
33: US 31: 61/860,723 32: 2013-07-31
54: GROWTH DIFFERENTIATION FACTOR 15 (GDF-15) CONSTRUCTS
00: -
Constructs comprising GDF15, and mutants thereof are provided. In various embodiments the constructs

comprising GDF15, and mutants thereof, can be of use in the treatment or ameliorating a metabolic disorder. In various embodiments the metabolic disease or disorder is type 2 diabetes, obesity, dyslipidemia, elevated glucose levels, elevated insulin levels and diabetic nephropathy.

21: 2016/00788. 22: 2016/02/04. 43: 2024/08/20
51: A61K; A61M
71: TARIS Biomedical LLC
72: LEE, Heejin, DANIEL, Karen, SANSONE, Matthew
33: US 31: 61/867,245 32: 2013-08-19
54: MULTI-UNIT DRUG DELIVERY DEVICES AND METHODS
00: -
Abstract of the Disclosure Implantable drug delivery devices include a housing defining a reservoir, a first unit within the reservoir, and a second unit within the reservoir. The first unit contains a drug and the second unit contains a functional agent that facilitates release of the drug. Intravesical drug delivery devices include a housing portion containing a drug formulation and a housing portion containing an excipient, and are configured to release the drug according to a first release profile and the excipient according to a second release profile. Methods include inserting any of these devices into a patient and releasing drug from the device.

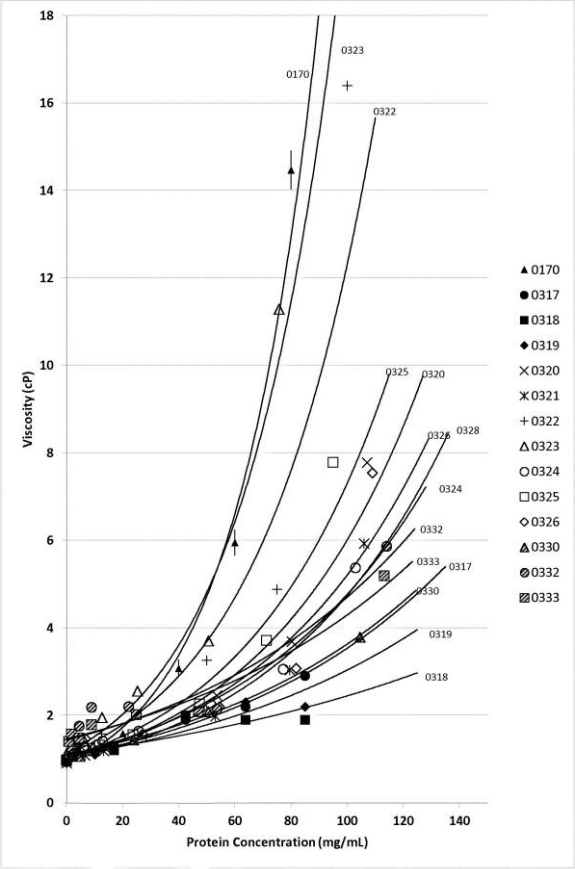


21: 2016/05979. 22: 2016/08/29. 43: 2024/08/01
51: A61K; C07H
71: Riboscience LLC
72: SMITH, Mark, KLUMPP, Klaus G.
33: US 31: 61/936,569 32: 2014-02-06
54: 4'-DIFLUOROMETHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF INFLUENZA RNA REPLICATION
00: -
The application discloses nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication. In particular, the application discloses the use of purine and pyrimidine nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication and pharmaceutical compositions containing such compounds.

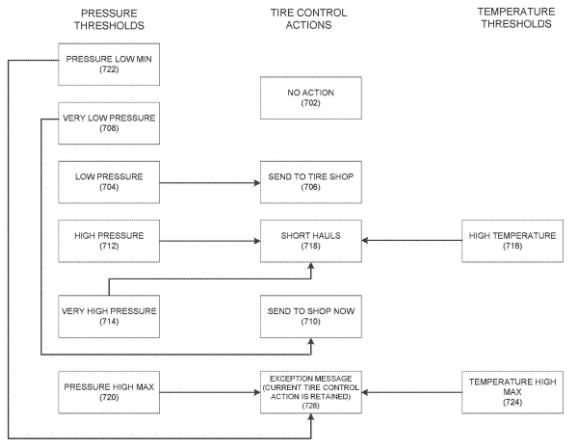


(I)

21: 2017/00341. 22: 2017/01/16. 43: 2024/07/31
51: C07K
71: Novo Nordisk A/S
72: HENRIKSEN, Anette, KJAERGAARD, Kristian, WESTPHAL STENNICKE, Vibeke, WIBERG, Charlotte
33: EP(DK) 31: 14177547.8 32: 2014-07-17
54: SITE DIRECTED MUTAGENESIS OF TREM-1 ANTIBODIES FOR DECREASING VISCOSITY
00: -
Antibodies that are capable of specifically binding and preventing the activation of TREM-1, a protein expressed on monocytes, macrophages and neutrophils with both good affinity and low viscosity at clinically relevant concentrations are described. Such antibodies find utility in the treatment of individuals with an inflammatory disease, such as rheumatoid arthritis and inflammatory bowel disease.



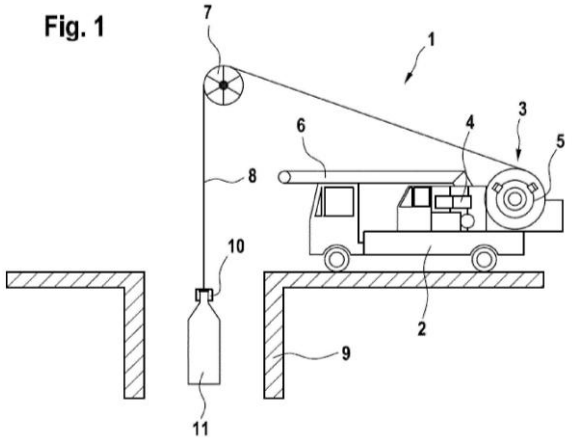
21: 2018/00287. 22: 2018/01/16. 43: 2024/07/31
51: B60C; B60W; G01C
71: Modular Mining Systems, Inc.
72: VAN LATUM, Lucas, RAYCO, Maria Brenda R.
33: US 31: 62/195,732 32: 2015-07-22
54: TIRE CONDITIONING OPTIMIZATION FOR A COLLECTION OF MINING VEHICLES
00: -
A system and method includes accessing a road network database to identify a tire cost for a plurality of edges in a mining road network, identifying least-cost paths between each of a plurality of nodes on the mining road network using the tire cost for each of the plurality of edges, the nodes including a loading area and a dumping area for a plurality of haul trucks, accessing a distributed objects database to identify constraints for the nodes on the mining road network, determining a production plan using the constraints for the nodes on the mining road network by maximizing a function of the form af(x)-ßg'(x), where f'(x) is a normalized measure of productivity, g'(x) is a normalized measure of impact on tire conditioning, and a and ß are nonnegative constants with a+ß=1, subject to constraints on resource capacities and production requirements, with the material flow rates between each of the nodes on the mining road network specifying the production plan, determining a task assignment for each of the plurality of haul trucks using the production plan as guide, and transmitting the task assignment for each of the plurality of haul trucks.



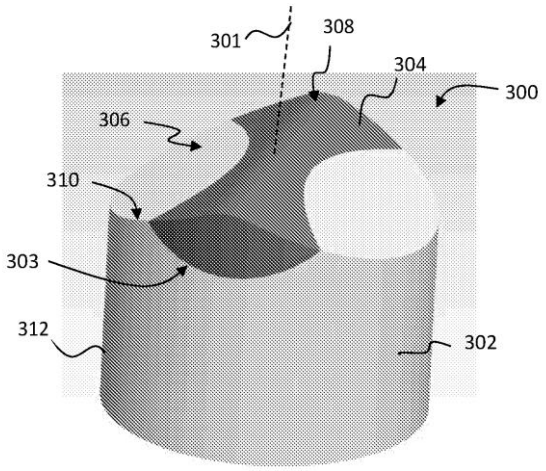
21: 2018/02073. 22: 2018/03/28. 43: 2024/08/08
51: B66B; B66C; B66D
71: Olko Maschinentechnik GmbH
72: KÖSTERKE, Uwe
33: DE 31: 10 2015 116 515.5 32: 2015-09-29
54: DRUM-TYPE CONVEYING INSTALLATION WITH CABLE-MONITORING DEVICE
00: -
Single-cable drum-type conveying installation (3) with a cable drum (5) driven by a winch drive (4), comprising a cable-monitoring device, a conveying means (11), which hangs freely on a conveying cable (8), and an intermediate harness (10), which is designed for connecting the conveying cable (8) to the conveying means (11). In order to create a single-cable drum-type conveying installation of which the cable-monitoring device, in the event of malfunctioning, detects a malfunction immediately and reliably, it is proposed that the cable-monitoring device should have a load-measuring pin (12), as a constituent part of the intermediate harness, and also a transmission path, along which measuring signals received from the load-measuring pin are transmitted to an evaluation device, and the evaluation device is designed for evaluating the measuring signals such that, in the case of the measuring signal jumping by an extent which

exceeds a certain amount, a malfunction is detected. The intention is also to specify a method for monitoring the cable of a single-cable drum-type conveying installation.

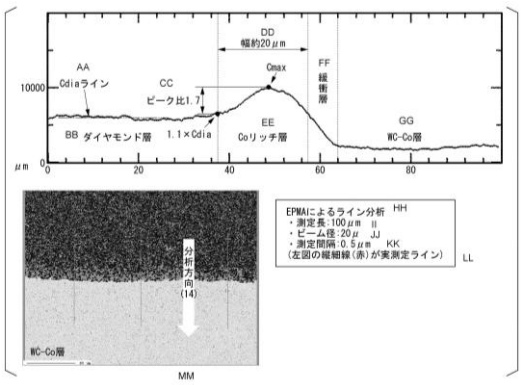
Fig. 1



21: 2018/03202. 22: 2018/05/15. 43: 2024/09/12
51: E21B
71: SCHLUMBERGER TECHNOLOGY B.V.
72: SONG, Huimin, GAN, Xiaoge, LIN, Zhijun, CHEN, Ke
33: US 31: 62/261,042 32: 2015-11-30
54: SCOOP SHAPED DIAMOND TABLE ON NON-PLANAR CUTTING ELEMENTS
00: -
A cutting element may include a substrate; and an ultrahard layer on the substrate, the substrate and the ultrahard layer defining a non-planar working surface of the cutting element such that the ultrahard layer forms a cutting portion and the substrate is at least laterally adjacent to the ultrahard layer.

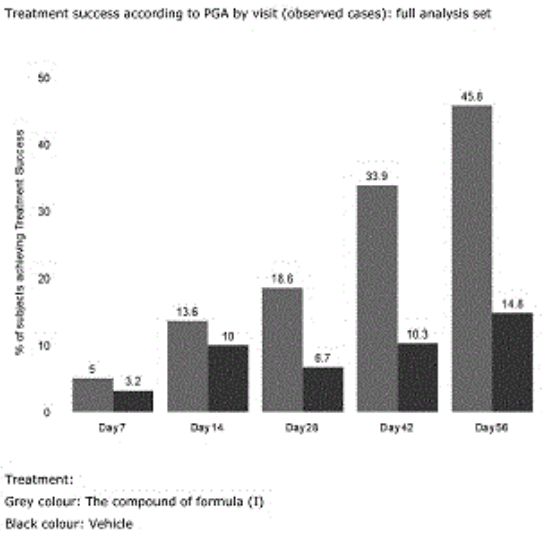


21: 2018/03633. 22: 2018/05/31. 43: 2024/07/31
51: B23B; C01B; C22C; B01J; B22F
71: Mitsubishi Materials Corporation
72: MATSUO, Toshihiko, AKHMADI EKO, Wardoyo, AKAISHI Minoru
33: JP 31: 2015-226537 32: 2015-11-19
54: POLYCRYSTALLINE DIAMOND SINTERED MATERIAL TOOL EXCELLENT IN INTERFACIAL BONDING STRENGTH AND METHOD OF PRODUCING SAME
00: -
Provided is a polycrystalline-diamond sintered compact tool in which a diamond layer (18) that contains a metal catalyst comprising Co is provided to a cemented carbide base material (17), wherein: the average layer thickness of a Co-rich layer (19) formed at the interface between the cemented carbide base material (17) and the diamond layer (18) is 30 μm or less; the value of the ratio C_{MAX}/C_{DIA} between the peak value C_{MAX} of the Co content of the Co-rich layer (19) and the average Co content C_{DIA} in the diamond layer (18) is preferably 2 or less; and, taking Do to be the average grain diameter of WC particles within the cemented carbide base material (17), the average grain diameter D of WC particles in a region extending 50 μm into the diamond layer (18) from the interface between the cemented carbide base material (17) and the diamond layer (18) more preferably satisfies the relationship D/Do<2.

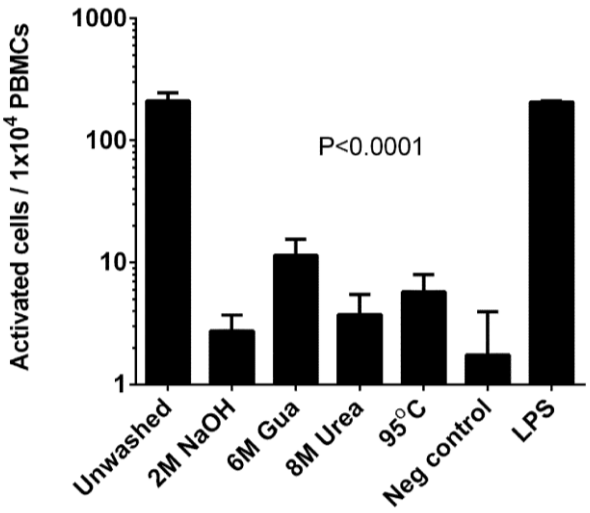


AA Line
BB Diamond layer
CC Peak ratio
DD Approximate width
EE Co-rich layer
FF Buffer layer
GG WC-Co layer
HH Line analysis by EPMA
II Measurement length: 100 μm
JJ Beam diameter: 20 μm
KK Measurement gap: 0.5 μm
LL (Thin vertical lines (red) in image at left indicate the actually measured lines)
MM Analysis direction (14)

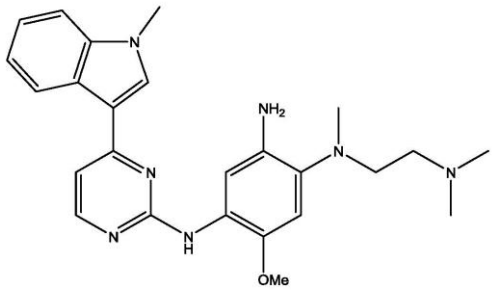
21: 2018/04098. 22: 2018/06/19. 43: 2024/08/05
51: A61K; A61P
71: LEO PHARMA A/S
72: WENNBERG, TERO, SØRENSEN, ANDERS PER
33: EP 31: 16152215.6 32: 2016-01-21
54: TREATMENT OF HAND ECZEMA
00: -
The present invention relates to the treatment of hand eczema. The problem to be solved by the invention is to provide a new pharmaceutical use of 3-[(3S,4R)-3-methyl-6-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1,6-diazaspiro[3.4]octan-1-yl]-3-oxopropanenitrile. A therapeutic or preventive agent for hand eczema, containing 3-[(3S,4R)-3-methyl-6-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1,6-diazaspiro[3.4]octan-1-yl]-3-oxopropanenitrile as an active ingredient.



21: 2018/04159. 22: 2018/06/21. 43: 2024/09/12
51: G01N
71: NEOGAP THERAPEUTICS AB
72: GRÖNLUND, Hans
33: EP 31: 15200619.3 32: 2015-12-16
33: SE 31: 1650493-8 32: 2016-04-12
54: T-CELL REACTIVITY PLATFORM
00: -
Methods for assaying antigen-specific T-cell activation in vitro, comprising the steps of (a) providing a phagocytable particle, having a candidate antigen polypeptide tightly associated thereto, wherein the particle with the associated polypeptide has been subjected to a denaturing wash resulting in an endotoxin level low enough to not interfere with the subsequent steps; (b)providing a viable antigen-presenting cell; (c) contacting the washed particle with the antigen-presenting cell under conditions allowing phagocytosis of the particle by the antigen-presenting cell; (d) providing a T-cell sample to be assayed comprising viable T-cells; (e) contacting the T-cell sample with the antigen-presenting cell contacted with the particle under conditions allowing specific activation of T-cells in response to an antigen presented by an antigen-presenting cell; and (f) determining the degree of T-cell activation in the T-cell sample.



21: 2018/05790. 22: 2018/08/29. 43: 2024/07/31
51: A61K; C07D
71: AstraZeneca AB
72: BOYD, Alistair John, TELFORD, Alexander
33: US 31: 62/289,390 32: 2016-02-01
54: IMPROVED PROCESS FOR THE PREPARATION OF OSIMERTINIB (AZD9291) OR A SALT THEREOF, AND "AZD9291 ANILINE" OR A SALT THEREOF
00: -
An improved chemical process for the manufacture of the compound of Formula (I), which is useful, for example, as a late-stage chemical intermediate in the production of osimertinib (AZD9291) and pharmaceutically acceptable salts thereof.



(I)

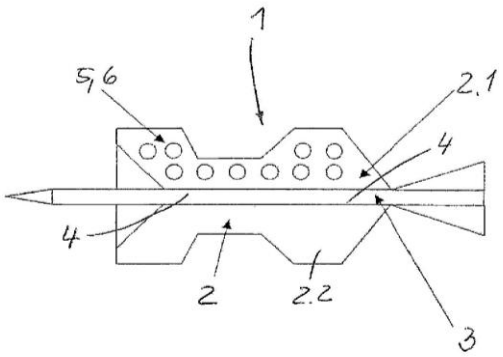
21: 2018/07331. 22: 2018/11/01. 43: 2024/08/08
51: E02D
71: Joint Stock Company "Rosenergoatom", Joint Stock Company «Science and Innovations»
72: TER-MARTIROSYAN, Zaven Grigor'evich, TER-MARTIROSYAN, Armen Zavenovich, MIRNIY, Anatoliy Yur'evich, SOBOLEV, Evgeniy Stanislavovich, SIDOROV, Vitaliy Valentinovich, ANZHELO, Georgiy Olegovich, LUZIN, Ivan Nikolaevich
33: RU 31: 2017133868 32: 2017-09-29
54: METHOD FOR COMPACTING BASES LAID USING WEAK MINERAL SOILS
00: -
The invention relates to construction, in particular to methods for strengthening soils under bases and foundations of buildings and structures, including electric power industry facilities. The technical result achieved by this invention consists in compaction of the base composed of weak mineral soils by determining the optimal design process parameters of the ground piles over the entire area of the base. The essence of the invention is that the method of compaction of bases composed of weak mineral soils that includes formation of a well, filling each well with the compacting material, and creation of a compacting effect on the compacting material by the hollow tubular working tool to form a ground pile, proposes to perform preliminary engineering and geological surveys of the base area and determine the values of the modulus of deformation, the Poisson's ratio, the internal friction angle, the specific cohesion, the specific gravity, the initial void ratio of the weak mineral soil, set the required design modulus of deformation of the layer to be compacted, then, taking the value εi of expansion deformation of each well equal to 0.1, calculate the void ratio of the weak mineral soil after compaction around the ground pile and determine the predicted value of the liquidity index of the weak mineral soil at each step, then, according to the known normative values, take the nearest preliminary value of the modulus of deformation of the mineral soil surrounding the ground pile, depending on the obtained values of the void ratio of the weak mineral soil after compaction around the ground pile ei and the soil liquidity index after compaction, then take the spacing of the ground piles equal to three diameters of the hollow tubular working tool and determine the value of the actual average reduced modulus of deformation of the base, compare it with the design modulus of deformation of the mineral soil and, in the case of obtaining a smaller actual average reduced modulus of deformation of the base soil than the design one, increase the well expansion deformation value iteratively in increments of 0.1 and repeat the calculation of the actual average reduced modulus of deformation of the base until the design value is reached or spacing of the ground piles is equal to the value of 1.5 times of the diameter of the hollow tubular working tool, and calculate the increase of the well radius corresponding to the value of the accepted expansion deformation during piling; the length of

the ground pile is taken equal to the distance from the roof to the sole of at least one layer requiring compaction, then drill the well corresponding to the ground pile length by insertion of a hollow tubular working tool, feeding the compacting material into the well through a cavity of a hollow tubular working tool; the compacting effect for formation of a ground pile is carried out by insertion of a hollow tubular working tool into the compacting material; then, perform additional engineering and geological surveys on the area of the base to determine the modulus of deformation of the compacted mineral soil between the ground piles; calculate the actual average reduced modulus of deformation of the compacted base and compare it with the design value; and if the actual average reduced modulus of deformation of the base does not correspond to the design value, install additional ground piles between previously installed ones.

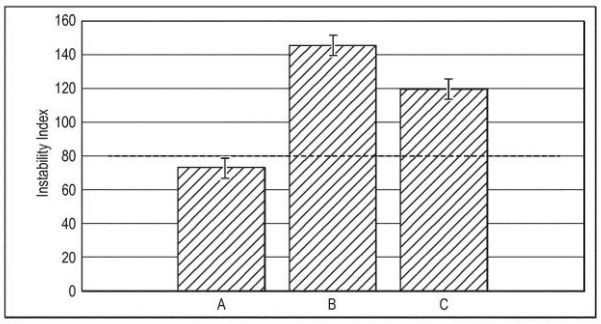
21: 2018/07399. 22: 2018/11/05. 43: 2024/08/19
51: A61K; A61P; C07D
71: Recurium IP Holdings, LLC
72: BUNKER, Kevin Duane, HUANG, Peter Qinhua, ABRAHAM, Sunny, PINCHMAN, Joseph Robert, HOPKINS, Chad Daniel, SLEE, Deborah Helen
33: US 31: 62/342,141 32: 2016-05-26
54: EGFR INHIBITOR COMPOUNDS
00: -
Disclosed herein are nitrogen-containing bicyclic compounds, together with pharmaceutical compositions and methods of ameliorating and/or treating a cancer described herein with one or more of the compounds described herein.

21: 2018/07750. 22: 2018/11/16. 43: 2024/10/04
51: C07K; C12N
71: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
72: COOPER, LAURENCE J.N., KORNGOLD, ANA BEATRIZ, RABINOVICH, BRIAN A, SINGH, HARJEET, OLIVARES, SIMON
33: US 31: 61/940,339 32: 2014-02-14
54: CHIMERIC ANTIGEN RECEPTORS AND METHODS OF MAKING
00: -
Provided are methods of generating chimeric antigen receptors (CAR). In some embodiments, library screening of CAR is performed by generating a vector encoding the CAR from random attachment of vectors from libraries of vectors encoding antigen-binding domains (e.g., scFv regions), hinge regions, and endodomains. In some embodiments, the vectors contain a transposon.

21: 2019/00170. 22: 2019/01/10. 43: 2024/08/14
51: F42B
71: Rheinmetall Waffe Munition GmbH
72: BLACHE, Andreas, BÖRNGEN, Lutz, GOWIN, Michael, LINKE, Katrin
33: DE 31: 10 2016 112 666.7 32: 2016-07-11
54: SABOT WITH BIONIC STRUCTURES
00: -
The invention relates to a sabot (2) in which bionic structures (5, 6) are provided. Said structures are generated or created by way of an additive manufacturing process during the manufacture of the sabot (2) in a defined manner with respect to size, shape and/or volume and in a targeted manner with respect to the local and quantitative embedding in the sabot (2).



21: 2019/00199. 22: 2019/01/11. 43: 2024/08/20
51: A23C
71: Société des Produits Nestlé S.A.
72: BUNCE, Matthew Galen, SAFFON, Maxime, FU, Jun-Tse, SHER, Alexander
33: US 31: 62/350,138 32: 2016-06-14
54: LIQUID COCONUT-BASED COFFEE CREAMER AND METHOD OF MAKING THE SAME
00: -
The present invention relates to beverage products, in particular a liquid natural coconut based creamer composition comprising: coconut; coconut oil; high acyl gellan gum present in an amount ranging from 0.08 to 0.15 wt/wt%; guar gum present in an amount ranging from 0 to 0. 5 wt/wt%; pea protein present in an amount ranging from 0.2 to 2 wt/wt%; and buffer.



21: 2019/01269. 22: 2019/02/27. 43: 2024/08/27
51: A61K; A61L; A61P; A61Q
71: CREDENTIS AG
72: CREDENTIS AG
33: EP 31: 16184309.9 32: 2016-08-16
54: COMPOSITION COMPRISING SELF-ASSEMBLING PEPTIDES FOR USE IN TREATMENT OF GINGIVITIS, PERIODONTITIS AND/OR PERI-IMPLANTITIS
00: -
The present invention provides a composition comprising specific self-assembling peptides, which are capable of self-assembly at a pH below 7.5 and at least physiologic ionic strength, e.g., PI 1-4. PI 1-8, PI 1-14, PI 1-13, PI 1-12, PI 1-28, PI 1-29, PI 1-2, PI 1-5, PI 1-17, PI 1-19, PI 1-20, PI 1-12, PI 1-16, PI 1-18, PI 1-26 or PI 1-31 for use in treating an oral disease selected from the group consisting of gingivitis, periodontitis and/or peri-implantitis in a subject. Said composition may be used, after suitable cleaning procedures, for filling pockets formed adjacent to teeth in said diseases, which enhances tissue regeneration. The composition may be suitable for controlled release of an active agent, e.g., an antimicrobial or antibiotic agent. The invention also provides a kit suitable for said treatment further comprising self-assembling peptides suitable for forming a second layer on top of the first composition.



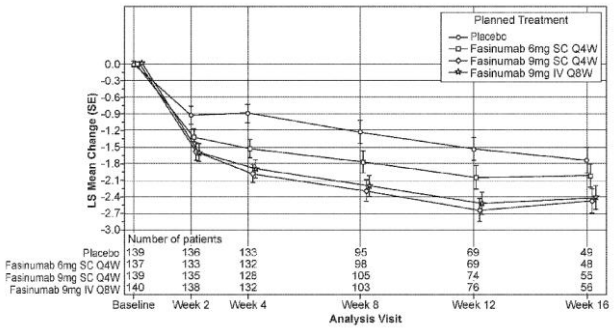
21: 2019/02049. 22: 2019/04/02. 43: 2024/09/10
51: A61K; A61P
71: MEXICHEM FLUOR S.A. DE C.V
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1615912.1 32: 2016-09-19
33: GB 31: 1620513.0 32: 2016-12-02
54: PHARMACEUTICAL COMPOSITION
00: -
A pharmaceutical composition is described. The composition comprises: (i) a drug component comprising at least one tiotropium compound selected from tiotropium and the pharmaceutically acceptable derivatives thereof; and (ii) a propellant component comprising 1,1-difluoroethane (HFA-152a).

21: 2019/02051. 22: 2019/04/02. 43: 2024/08/27
51: A61K; A61P
71: MEXICHEM FLUOR S.A. DE C.V.
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1615914.7 32: 2016-09-19
33: GB 31: 1620517.1 32: 2016-12-02
54: PHARMACEUTICAL COMPOSITION
00: -
A pharmaceutical composition is described. The composition comprises: (i) a drug component comprising at least one salmeterol compound

selected from salmeterol and the pharmaceutically acceptable derivatives thereof; and (ii) a propellant component comprising 1,1 -difluoroethane (HFA-152a).

21: 2019/02053. 22: 2019/04/02. 43: 2024/09/13
51: A61K; A61P
71: Mexichem Fluor S.A. de C.V.
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1615917.0 32: 2016-09-19
33: GB 31: 1620519.7 32: 2016-12-02
54: PHARMACEUTICAL COMPOSITION
00: -
A pharmaceutical composition is described. The composition comprises: (i) a drug component comprising at least one pharmaceutically acceptable salt of giycopyrrolate; and (ii) a propellant component comprising 1,1-difluoroethane (HFA-152a).

21: 2019/02967. 22: 2019/05/13. 43: 2024/09/13
51: A61K; C07K
71: REGENERON PHARMACEUTICALS, INC.
72: STEHMAN-BREEN, Catherine, DAVIS, John
33: US 31: 62/427,365 32: 2016-11-29
54: A PHARMACEUTICAL COMPOSITION FOR AVERTING OPIOID ADDICTION
00: -
A pharmaceutical composition for averting opioid addiction in a patient is disclosed. The composition can be used in a patient suffering from moderate to severe low back pain (LBP). The composition is useful in a patient diagnosed with low back pain, and comprises a therapeutically effective amount of an antibody that binds specifically to nerve growth factor (NGF) or an antigen binding fragment thereof; and is used in the absence of an opioid to relieve pain, and avert opioid addiction in a patient.



21: 2019/03195. 22: 2019/05/21. 43: 2024/08/22
51: B32B
71: Concrete Canvas Technology Ltd.
72: BREWIN, Peter Eric, COX, Daniel, SAVAGE, Mark, KOHLMAN, Randolph S., ROSE, Graham
33: GB 31: 1619738.6 32: 2016-11-22
54: FLEXIBLE COMPOSITE
00: -
The present invention relates to a flexible composite that can be set to become rigid or semi-rigid, the composite comprising: a first layer; a second layer opposing the first layer and separated from the first layer by a space; a fill material located in the space between the first and second layers, which is capable of setting to a rigid or semi-rigid solid on the addition of a liquid, gas or radiation; a plurality of elements extending substantially into the space from the first layer and/or the second layer and which may pass through the opposing layer or join with other elements present in the space from an opposing layer, thereby forming linking elements for joining the layers together; and wherein the unset fill material is provided in the space at a pressure such that tension is applied one or more of the linking elements and to cause the first and/or second layers to bulge outwards relative to the longitudinal length of said one or more linking elements under tension.

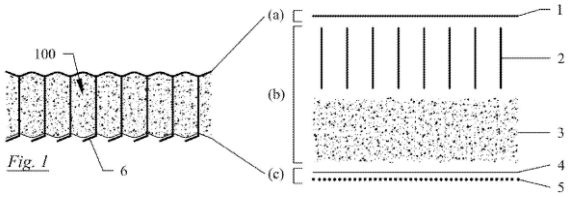
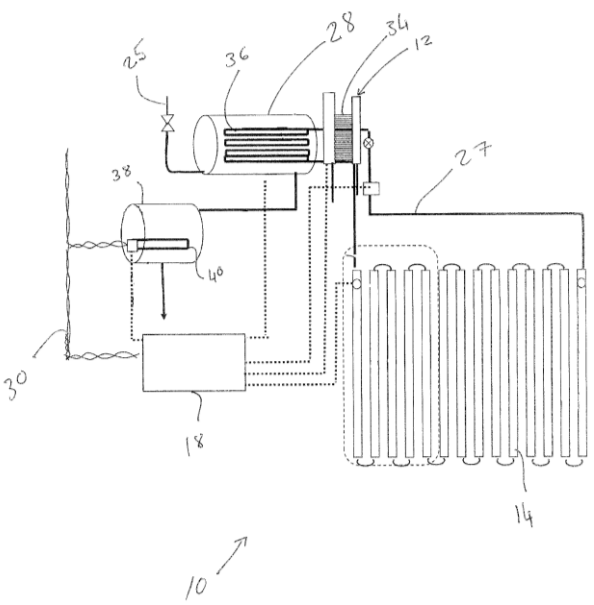


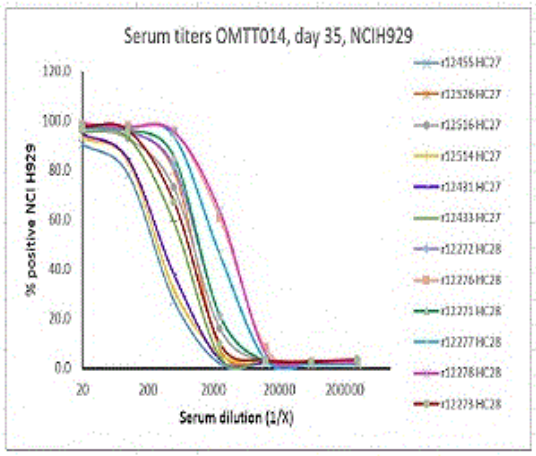
Fig. 1

21: 2019/03803. 22: 2019/06/12. 43: 2024/08/27
51: H01L H02M
71: UNIVERSITY OF SOUTH AFRICA
72: SNYMAN, Lukas, Willem

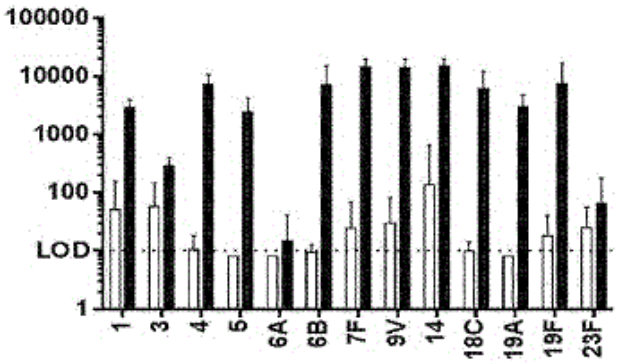
33: ZA 31: 2016/07826 32: 2016-11-14
54: THERMAL ENERGY TO ELECTRICAL ENERGY EXTRACTION SYSTEM
00: -
A thermal energy to electrical energy extraction system which includes: a thermoelectric converter, for converting thermal energy into electrical energy, the thermoelectric convertor being connectable to a thermal energy source; an electric conditioner connectable to the thermoelectric converter for conditioning the electric energy output of the thermoelectric converter and generating a conditioned electrical output; a measuring means for measuring the electric energy within the system; and a controller for controlling the thermoelectric converter in order to vary the conditioned electrical output based on the measurements obtained from the measuring means.



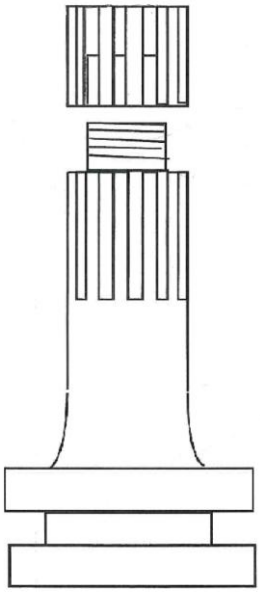
21: 2019/03985. 22: 2019/06/19. 43: 2024/08/06
51: C07K; A61P
71: TENEOBIO, INC.
72: ALDRED, SHELLEY FORCE, TRINKLEIN, NATHAN, HARRIS, KATHERINE E, DANG, KEVIN, VAN SCHOOTEN, WIM
33: US 31: 62/437,588 32: 2016-12-21
54: ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES
00: -
Anti-BCMA heavy chain-only antibodies (HCAb) and disclosed, along with methods of making such antibodies, compositions, including pharmaceutical compositions, comprising such antibodies, and their use to treat B-cell disorders characterized by the expression of BCMA.



21: 2019/04307. 22: 2019/06/28. 43: 2024/08/06
51: A61K; A61P
71: VAXCYTE, INC.
72: FAIRMAN, JEFFERY, HEINRICHS, JON, CHAN, WEI
33: US 31: 62/441,115 32: 2016-12-30
33: US 31: 62/568,201 32: 2017-10-04
33: US 31: 62/530,803 32: 2017-07-10
33: US 31: 62/591,160 32: 2017-11-27
54: POLYPEPTIDE-ANTIGEN CONJUGATES WITH NON-NATURAL AMINO ACIDS
00: -
Methods for the production of immunogenic compositions containing a non-natural amino acid are disclosed. The non-natural amino acid can be a site for attachment of antigens, such as bacterial capsular polysaccharides, to make immunogenic conjugates. Bio-orthogonal attachment chemistry incorporated into the non-natural amino acids allows for more efficient and potent antigen presentation to the immune system, simplified purification, and more well-defined structure of these semi-synthetic immunogens.



21: 2019/05206. 22: 2019/08/07. 43: 2020/01/16
51: E21B
71: ROLF PETRUS HOLL, JACOBUS CARL FREDERIK LE ROUX
72: ROELF PETRUS HOLL, JACOBUS CARL FREDERIK LE ROUX
33: ZA 31: 2018/05470 32: 2018-08-16
54: PISTON ASSEMBLY
00: -
The invention relates to a piston assembly which include a removable end cap near its strike end.



21: 2019/06153. 22: 2019/09/18. 43: 2024/08/26
51: A61K
71: GENFIT
72: DESCAMPS, Emeline, WALCZAK, Robert, BELANGER, Carole, NOEL, Benoît
33: EP 31: 17305213.5 32: 2017-02-24
54: PHARMACEUTICAL COMPOSITIONS FOR COMBINATION THERAPY
00: -
The present invention relates to a combination of active ingredients for use in the treatment of diseases.

21: 2019/08062. 22: 2019/12/04. 43: 2024/05/22
51: A61K; C12N
71: GAMIDA-CELL LTD.
72: PELED, Tony, HARATI, Dorit, LANDAU, Efrat
33: US 31: 62/506,699 32: 2017-05-16
54: SELECTION AND USE OF UMBILICAL CORD CELL FRACTIONS SUITABLE FOR TRANSPLANTATION
00: -
Methods of selecting umbilical cord blood units for ex-vivo expansion, separation of CD133+/CD34+ positive and uncultured CD133+/CD34+ negative fractions, methods for expanding the selected CD133+/CD34+ fraction, selection of expanded populations of CD133+/CD34+ cord blood cells for transplantation to subjects in need thereof and the therapeutic use of suitable selected, ex-vivo expanded CD133+/CD34+ and unselected CD133/CD34 negative cord blood fractions for transplantation in the clinical setting, for treatment of hematological malignancies are provided. The present invention also envisions kits comprising the expanded and unselected cord blood fractions.

21: 2019/08086. 22: 2019/12/05. 43: 2024/08/20
51: A01M
71: BAYER AKTIENGESELLSCHAFT
72: DAY, Pascal, ARIANS, Thomas, GIRAUD, Virginie, HADLOW, James, BAßFELD, Hinnerk
33: EP 31: 17180030.3 32: 2017-07-06
33: EP 31: 17181582.2 32: 2017-07-17
33: EP 31: 17186467.1 32: 2017-08-16
33: EP 31: 17187259.1 32: 2017-08-22
54: APPARATUS FOR WEED CONTROL
00: -
The present invention relates to an apparatus for weed control. It is described to provide (210) a processing unit with at least one image of an environment. The processing unit analyses (220) the at least one image to determine at least one mode of operation of a vegetation control technology from a plurality of modes of operation of the vegetation control technology to be used for weed control for at least a first part of the environment. An output unit outputs (230) information that is useable to activate

the vegetation control technology in the at least one mode of operation.

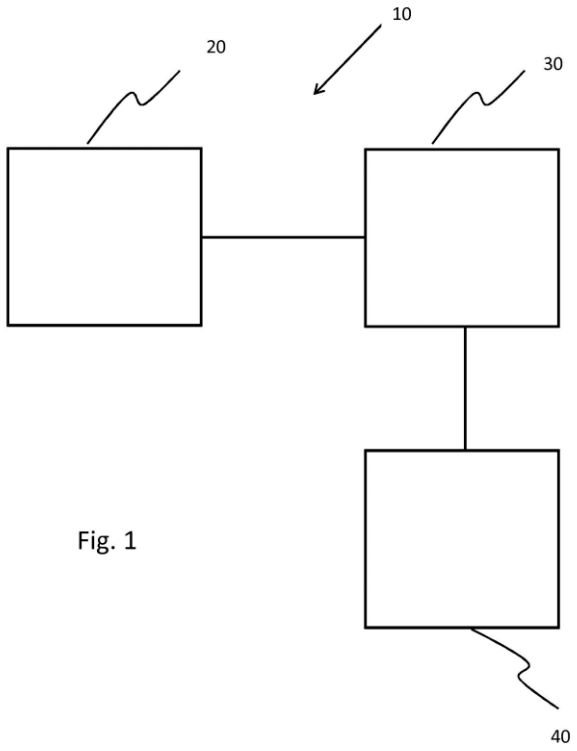


Fig. 1

21: 2020/01352. 22: 2020/03/03. 43: 2024/08/26
51: A61K; A61P; C07J
71: Ardelyx, Inc.
72: LUEHR, Gary, DRAGOLI, Dean, LEADBETTER, Michael, CHEN, Tao, LEWIS, Jason
33: US 31: 62/541,095 32: 2017-08-04
54: GLYCYRRHETINIC ACID DERIVATIVES FOR TREATING HYPERKALEMIA
00: -

The present invention provides a compound of formula (I) or a salt thereof: (I) wherein X, L, V, R_1, R_2, R_3 and R_4, are as defined herein. These compounds are inhibitors of 11-hydroxysteroid dehydrogenase type 2 (11-HSD-2) and are used to treat hyperkalemia.

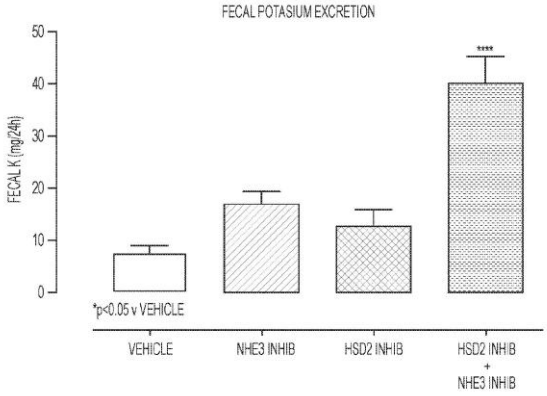
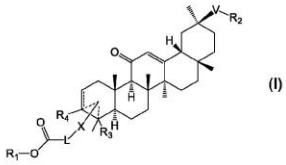


FIGURE 1



21: 2020/01830. 22: 2020/03/23. 43: 2024/08/19
51: C07K
71: Tillotts Pharma AG
72: FURRER, Esther Maria, SANDLIE, Inger, ANDERSEN, Jan Terje, FOSS, Stian
33: EP(CH) 31: 17191989.7 32: 2017-09-19
54: ANTIBODY VARIANTS
00: -

The present invention relates to antibodies which bind to TNFα and exhibit modified FcRn- binding. The antibodies of the invention have good effector functions and/orpharmacokinetic properties.

21: 2020/01834. 22: 2020/03/23. 43: 2024/08/06
51: A61K
71: SHINKEI THERAPEUTICS, INC.
72: BORSADIA, SURESH

33: US 31: 62/568,028 32: 2017-10-04
33: US 31: 62/680,182 32: 2018-06-04
54: DEXTROMETHORPHAN TRANSDERMAL DELIVERY DEVICE
00: -
Provided herein are transdermal delivery devices comprising dextromethorphan. The transdermal delivery device can be characterized by the novel design, for example, with an adhesive layer and a reservoir layer, with an adhesive layer comprising a mixture of two adhesives, and/or with a skin permeation enhancer, e.g., in an amount that can significantly enhance the flux of dextromethorphan. The transdermal delivery device can also be characterized by its in vitro and/or in vivo release profile, for example, that can provide a desired pharmacokinetic profile described herein. Also provided herein are methods of administering dextromethorphan, and methods of treating a disease or disorder described herein, using the transdermal delivery device herein.

21: 2020/02263. 22: 2020/05/04. 43: 2024/08/26
51: A61K
71: ViiV Healthcare Company
72: KAYE, Jonathan Louis
33: US 31: 62/571,863 32: 2017-10-13
54: BI-LAYER PHARMACEUTICAL TABLET FORMULATION
00: -
A novel bi-layer tablet formulation comprising HIV integrase strand transfer inhibitor dolutegravir, with the nucleoside reverse transcriptase inhibitor lamivudine.

21: 2020/02269. 22: 2020/05/04. 43: 2024/08/26
51: A01N; C02F; C07C; C07F
71: Innovative Water Care, LLC
72: LEI, Deqing, RAWAT, Nidhi, KHANZADA, Amber
33: US 31: 62/568,595 32: 2017-10-05
54: QUATERNARY AMMONIUM ETIDRONATES
00: -
The present invention provides a quaternary ammonium etidronate compound (QAE) comprising a quaternary ammonium cation and an etidronate anion, having the Formula I. A method for the preparation of such compounds is described by reacting a quaternary ammonium salt with an etidronic acid or salt thereof. Variable ratios of each reactant may also be used to form different QAE compounds. The quaternary ammonium etidronate compounds is useful in water treatment, cosmetic, hygiene, personal care, paint, coating, wood treatment, agrochemical, antimicrobial, disinfectant, or biocidal compositions; as the compound provides high anti-corrosive and biocidal properties; and low scaling properties. A water treatment composition is also described, having a QAE compound of Formula I and a water treating biocidal agent, useful in cooling towers and other recirculating water, or recreational water system.

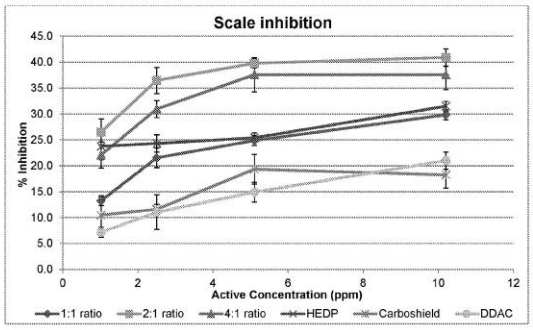
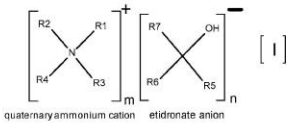


FIGURE 1



[I]

21: 2020/02358. 22: 2020/05/04. 43: 2024/08/08
51: H02H
71: Eaton Intelligent Power Limited
72: KOCH, Michael
33: DE 31: 10 2017 122 220.0 32: 2017-09-26
54: CIRCUIT BREAKER AND METHOD FOR OPERATING SAME
00: -
The invention relates to a method for operating a circuit breaker (1), wherein a switch-off process is initiated with a detection of a residual current, wherein, during the switch-off process, a voltage value (2) between a neutral conductor (3) and at least one current-carrying conductor (4) at an outlet (5) of the circuit breaker (1) is reduced from an operating voltage value (7) according to a predefined switch-off curve (8) to substantially zero by a switch-off unit (6), wherein, according to the switch-off curve (8), the voltage value (2) is reduced from a

starting point (9) and only reaches substantially zero after a predefined first time period.

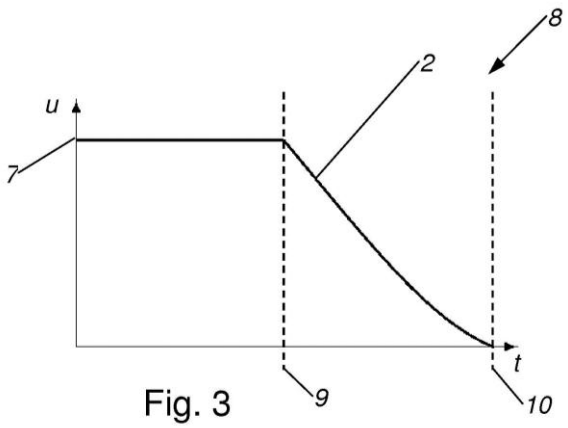


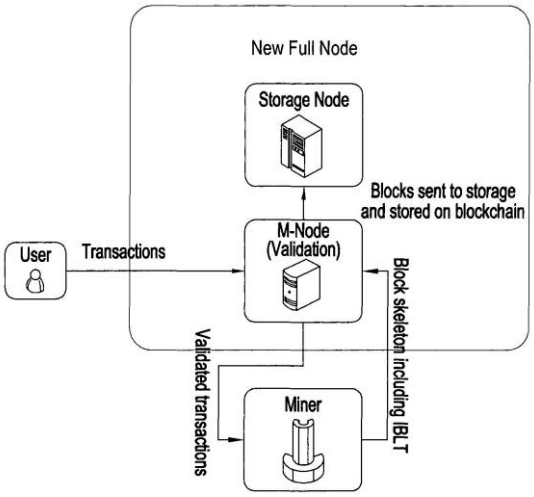
Fig. 3

21: 2020/02914. 22: 2020/05/19. 43: 2024/08/06
51: G06F; G06Q; H04L
71: nChain Holdings Limited
72: COVACI, Alexandra, DESTEFANIS, Giuseppe, MADEO, Simone, MOTYLINSKI, Patrick, VINCENT, Stephane
33: GB 31: 1718182.7 32: 2017-11-02

54: COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR COMBINING BLOCKCHAIN TECHNOLOGY WITH DIGITAL TWINS

00: -

A computer implemented method and system is described which uses blockchain technology as a storage system for data acquired from a digital twin. The blockchain can be used to generate an immutable transaction history of data produced by the digital twin. In the case of an error, failure, incident, or accident, parties of interest can then access and analyse an immutable set of data. The blockchain network can also execute a digital smart contract based on the data received from a digital twin. The invention may be used in conjunction with the Bitcoin blockchain or another blockchain protocol.



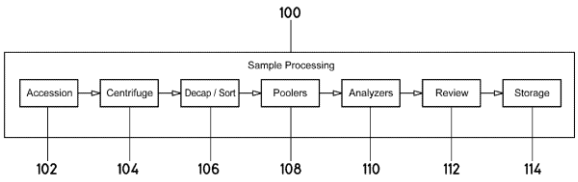
21: 2020/02987. 22: 2020/05/21. 43: 2024/09/10
51: C12Q; G01N
71: GRIFOLS DIAGNOSTIC SOLUTIONS INC.
72: TRAN, Quang, WUMMER, Joel, CODY, Dennis
33: US 31: 62/589,957 32: 2017-11-22

54: SYSTEMS AND METHODS FOR BIOLOGICAL SAMPLE LABORATORY SCREENING

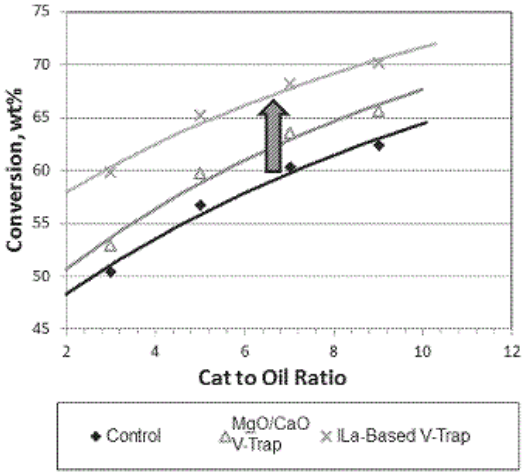
00: -

Systems and methods for guiding the management of blood and/or plasma screening laboratory workflow are disclosed. In some embodiments, a system for analyzing biological samples includes centrifuges, pooling devices, biological sample analyzing devices, and a processor to monitor operation of the centrifuges, the pooling devices, and the biological sample analyzing devices. The processor can track the progress of analysis of the biological samples and generate progress indications via the graphical user interface. In response to determining that an external control is present, the system can prevent release of the biological component to the biological sample analyzing device to perform analysis until the external control is also loaded into the analyzer. In response to a determination that a component of a biological sample is grouped into more than one pool or not intended to be pooled, the system can generate a warning via the graphical user interface. The system can provide a chronology of states, display the status of instruments and biological samples, indicate what components need operator attention, and search and display the status of

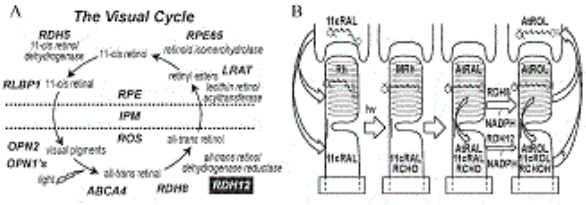
samples and tests. The system can prevent unintended use, including duplicate testing.



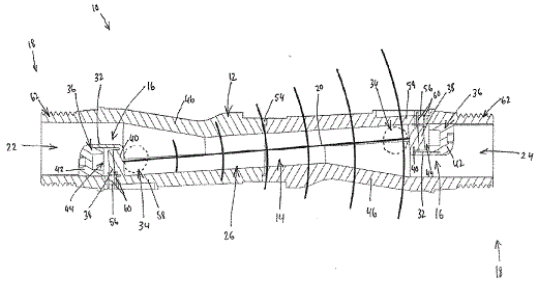
21: 2020/03316. 22: 2020/06/03. 43: 2024/08/26
51: B01J C10G
71: BASF CORPORATION
72: SMITH, Gary, M., YILMAZ, Bilge
33: US 31: 62/584,244 32: 2017-11-10
54: A METAL TRAP FOR USE IN FLUID CATALYTIC CRACKING (FCC)
00: -
A metal trap for an FCC catalyst include pre-formed microspheres impregnated with an organic acid salt of a rare earth element.



21: 2020/03416. 22: 2020/06/08. 43: 2024/08/15
51: C12N; A61K
71: THE REGENTS OF THE UNIVERSITY OF MICHIGAN
72: THOMPSON, DEBRA A, ALI, ROBIN R, SMITH, ALEXANDER J
33: US 31: 62/586,624 32: 2017-11-15
54: VIRAL VECTORS COMPRISING RDH12 CODING REGIONS AND METHODS OF TREATING RETINAL DYSTROPHIES
00: -
Provided are materials, methods and uses for treating an ophthalmological condition such as Leber Congenital Amaurosis by administering an effective amount of an adeno-associated virus AAV2, serotype 5 (AAV 2/5) or AAV-5 comprising an expressible coding region for human RDH12.



21: 2020/03975. 22: 2020/06/30. 43: 2024/08/13
51: G01F
71: TEQNOVO (PTY) LTD
72: FOURIE, Eugene, MORGENROOD, Werner, DE BEER, Leon, Le Roux
33: ZA 31: 2017/06449 32: 2017-12-03
54: A FLOWMETER
00: -
According to the invention there is provided a flowmeter (10) includes a body (12) defining a passageway (14) for allowing fluid to flow therethrough and a sensing arrangement (16) which extends substantially inwardly from opposing end regions (18) of the passageway (14) for sensing a flow of fluid through the passageway (14) along an axis (20) which is substantially parallel thereto.



21: 2020/03990. 22: 2020/06/30. 43: 2024/08/06
51: H04W
71: SHARP KABUSHIKI KAISHA, FG INNOVATION COMPANY LIMITED
72: ISHII, ATSUSHI
33: US 31: 62/616,260 32: 2018-01-11
54: UPDATE APPARATUS AND METHOD FOR ON-DEMAND SYSTEM INFORMATION IN WIRELESS COMMUNICATIONS
00: -
A wireless terminal comprises receiver circuitry and processor circuitry. The receiver circuitry is configured to receive, from a base station apparatus,

a first type system information (SI) block including scheduling information used for configuring SI window(s), the SI window(s) being periodic broadcast occasion(s) for corresponding one or more second type system information blocks (SIBs). The processor circuitry is configured to determine the SI window(s) based on the scheduling information. The receiver circuitry is further configured to perform a reception procedure to attempt to receive at least one of the second type SIBs within the SI window(s) of a current modification period. In a case that the at least one of the second type SIBs is not received within the SI window(s), the receiver circuitry is configured to continue the reception procedure in the current modification period.

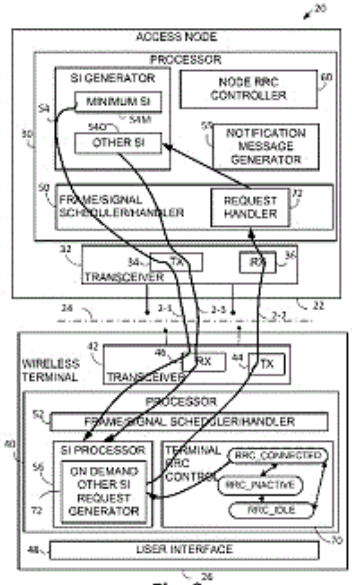
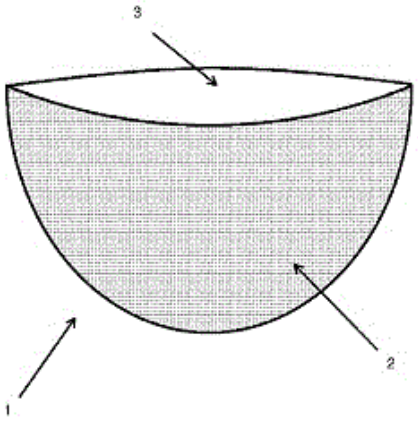
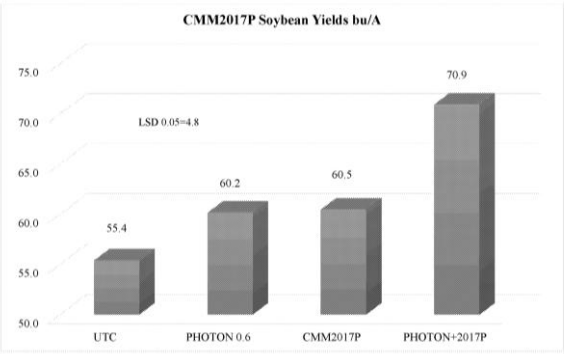


Fig. 2

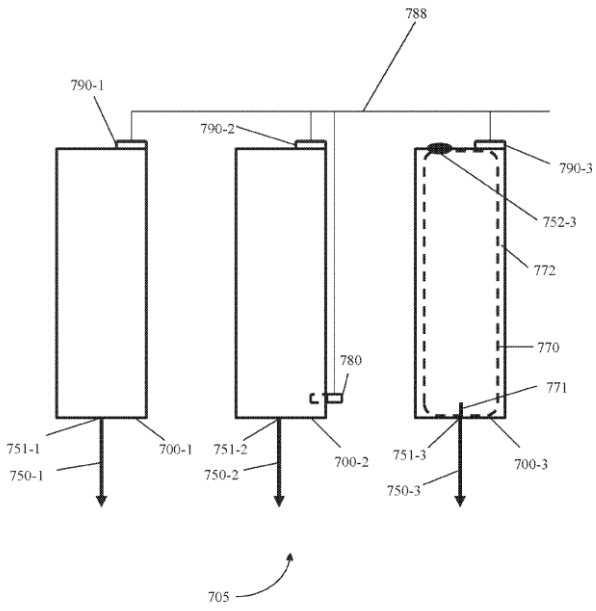
21: 2020/04240. 22: 2020/07/10. 43: 2024/08/27
51: A61F; A61L; C08L; C08G; C08J; B32B
71: POLYNOVO BIOMATERIALS PTY LIMITED
72: BRENNAN, PAUL, MOORE, TIMOTHY GRAEME
33: AU 31: 2017905178 32: 2017-12-22
54: SOFT TISSUE IMPLANT POCKET
00: -
There is provided a soft tissue implant pocket which reduces the incidence of capsular contracture. The pocket is manufactured from a biodegradable, biocompatible polyurethane foam. The polyurethane contains biodegradable polyols and the foam has a pore size configured for cellular infiltration. The soft tissue implant pocket find use in, for example, breast augmentation and reconstruction.



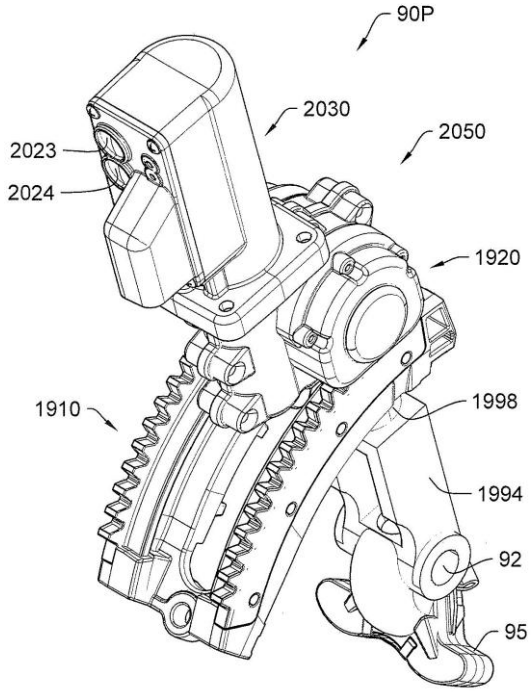
21: 2020/04779. 22: 2020/07/31. 43: 2024/09/03
51: A01G; A01N
71: CROP MICROCLIMATE MANAGEMENT INC.
72: KUPATT, Charles Christian
33: US 31: 62/626,350 32: 2018-02-05
54: METHODS AND COMPOSITIONS FOR INCREASING TOLERANCE TO ABIOTIC STRESS IN PLANTS
00: -
The present invention relates to compositions and methods for increasing tolerance to abiotic stress and/or for reducing the consequence of abiotic stress in a plant and/or part thereof. In some aspects, the method comprises contacting a plant and/or part thereof with a first composition comprising one or more of aminoguanidine, L-nitroarginine, L-nitroarginine methyl ester, 2,2'-bipyridine, 4-methylpyrazole, 8-hydroxyquiniline, caprylic acid, pyrazole, naringenin, kaempferol, quercetin, dodecanoic acid, and/or undecanoic acid, and/or a salt thereof; and a second composition comprising at least one dicarboxylic acid and/or a salt thereof.



21: 2020/04801. 22: 2020/08/03. 43: 2024/09/19
51: G01N; H04W
71: PRECISION PLANTING LLC
72: SWANSON, Todd, KOCH, Dale
33: US 31: 62/646,177 32: 2018-03-21
54: REAGENT CARTRIDGE
00: -
In one embodiment, a cartridge includes at least one compartment and a reagent in the at least one compartment. The reagent is a chemical composition for testing at least one of soil and vegetation for a chemical contained in the soil or vegetation. The reagent can be used in a soil and/or vegetation analysis test. The cartridge can contain an authentication chip to ensure that the reagent is the correct reagent for the analysis test.



21: 2020/04903. 22: 2020/08/07. 43: 2024/09/25
51: A01B; A01C
71: PRECISION PLANTING LLC
72: SLONEKER, Dillon, HODEL, Jeremy
33: US 31: 62/637,376 32: 2018-03-01
33: US 31: 62/683,612 32: 2018-06-11
33: US 31: 62/792,384 32: 2019-01-14
54: AGRICULTURAL TRENCH DEPTH SYSTEMS, AND APPARATUS
00: -
Systems, methods and apparatus for adjusting the depth of a trench opened by a row unit of an agricultural planter. The row unit includes a trench depth adjustment assembly configured to modify the furrow depth. In one embodiment, the depth adjustment assembly may include a gear box having one or more gears which engage with a gear rack. The gear box may be pivotally connected to a depth adjustment body supporting a rocker that adjusts upward travel of gauge wheel arms. In another embodiment, the depth adjustment assembly may include a depth adjustment arm having a screw receiver that cooperates with a driven screw that adjusts the position of the depth adjustment arm acting on the gauge wheels to adjust trench depth.



21: 2020/05244. 22: 2020/08/24. 43: 2024/09/25
51: A01B; A01C
71: PRECISION PLANTING LLC
72: KOCH, Dale, MORGAN, Matthew, STRNAD, Michael
33: US 31: 62/682,156 32: 2018-06-07

54: AGRICULTURAL OPERATION MONITORING APPARATUS, SYSTEMS AND METHODS

00: -

Systems, methods and apparatus for imaging and characterizing a soil surface and a trench in the soil surface formed by an agricultural implement. The sensors are disposed on the agricultural implement in data communication with a processor to generate the soil surface and trench images which may be displayed to the operator. In one embodiment, the sensors include one or more time of flight cameras for determining a depth of the trench and other characteristics of the surrounding soil surface and the trench, including detection of seeds, soil or other debris in the trench and moisture lines within the trench. The system may control operating parameters of the implement based on the generated images.

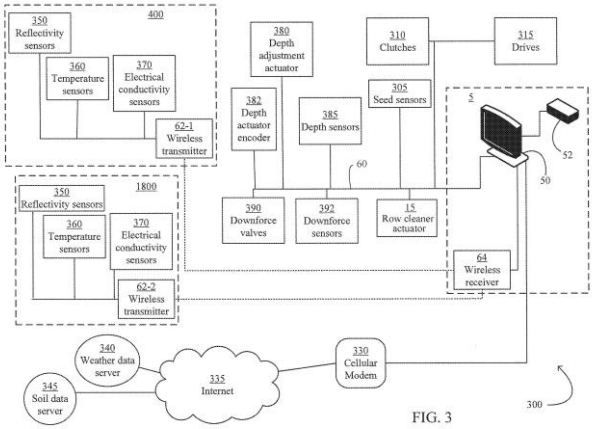


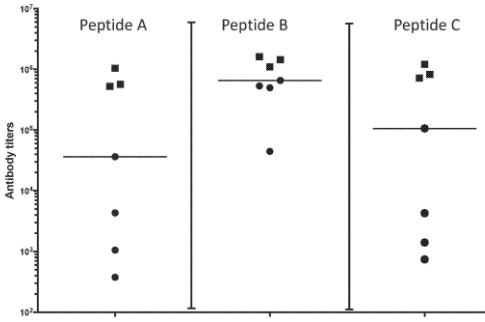
FIG. 3

21: 2020/05591. 22: 2020/09/09. 43: 2024/09/25
51: A01K; C07K
71: REGENERON PHARMACEUTICALS, INC.
72: MURPHY, Andrew, J.
33: US 31: 62/647,720 32: 2018-03-24
33: US 31: 62/647,724 32: 2018-03-24

54: GENETICALLY MODIFIED NON-HUMAN ANIMALS FOR GENERATING THERAPEUTIC ANTIBODIES AGAINST PEPTIDE-MHC COMPLEXES, METHODS OF MAKING AND USES THEREOF

00: -

A non-human animal is genetically modified with sequence encoding a human or humanized MHC molecule or associated molecule, e.g., ß2 microglobulin, and expression of the sequence by the non-human animal induces tolerance to the corresponding human HLA from which the human or human MHC molecule is derived. The tolerance exhibited by these non-human animals allows these animals to generate specific antibody responses to the corresponding human HLA when such HLA is presenting a peptide that is antigenic to the non-human animal. Such an antibody response, which specifically targets a pMHC complex of interest without binding to the MHC molecule may be useful in immunotherapeutic modalities that target a component of the immunological synapse which provides the specificity of that interaction.

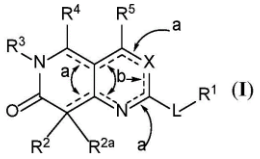


21: 2020/05603. 22: 2020/09/09. 43: 2024/08/06
51: A61K; A61P; C07D
71: Les Laboratoires Servier
72: KONTEATIS, Zenon D., LI, Mingzong, LIU, Peng, MEDEIROS, Matthew, REZNIK, Samuel K., SUI, Zhihua, TRAVINS, Jeremy M., POPOVICI-MULLER, Janeta, ZHOU, Shubao, MA, Guangning
33: PCT/CN 31: 2018/081328 32: 2018-03-30

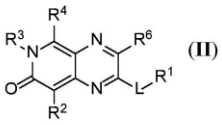
54: HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER

00: -

The present disclosure provides for compounds according to Formula I or Formula II and their pharmaceutically acceptable salts, stereoisomers, and/or tautomers thereof. Also provided are pharmaceutical compositions and the compounds of formulae I and II for use in methods of treating cancers, via inhibition of MAT2A, including some cancers in which the gene encoding methylthioadenosine phosphorylase (MTAP) is deleted and/or not fully functioning.

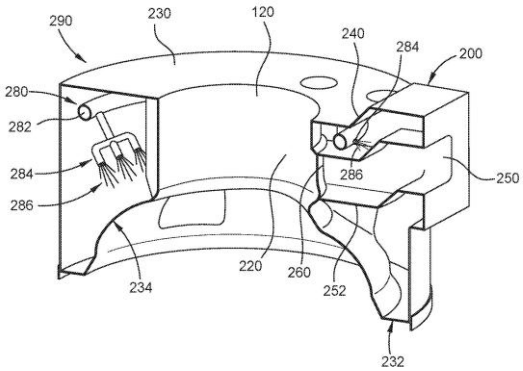


(I)

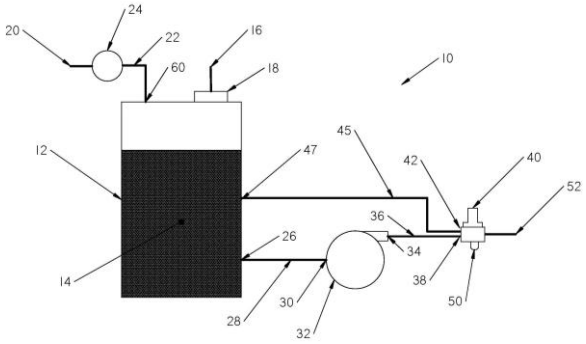


(II)

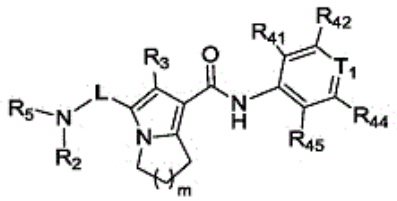
21: 2020/05642. 22: 2020/09/10. 43: 2024/08/05
51: C21C; F27B
71: Systems Spray-Cooled, Inc.
72: FERGUSON, Scott A., WARD, Troy D.
33: US 31: 62/699,537 32: 2018-07-17
54: METALLURGICAL FURNACE HAVING AN INTEGRATED OFF-GAS HOOD
00: -
An apparatus is disclosed for a metallurgical furnace having a roof with an integrated off-gas hood. The roof has a hollow metal roof section. The hollow metal roof section has a top and a bottom surface. The hollow metal roof section has a center opening configured for one or more electrodes to pass therethrough. An enclosed space is disposed between the top and the bottom surface. A spray-cooled system is disposed in the enclosed space and configured to spray-coolant on the bottom surface of the roof. The integrated off-gas hood has an inlet open to the center opening. The spray-cooled system is also configured to cool the integrated off-gas hood.



21: 2020/07507. 22: 2020/12/02. 43: 2024/08/26
51: A01K
71: TARGAN Inc.
72: WOLFE, Stephen
33: US 31: 62/703,247 32: 2018-07-25
54: RECIRCULATION SYSTEM AND METHOD
00: -
A system for delivery of a fluid to an animal is provided in the present disclosure. The system includes a reservoir to hold a volume of fluid, delivery outlet, recirculating loop, and valve in fluid communication between the reservoir and delivery outlet, the valve having an inlet to receive fluid from the reservoir, a first outlet in fluid communication with the delivery outlet, and a second outlet in fluid communication with a return conduit to the reservoir. The system further includes control means for opening and closing the first and second valve outlets, and a pump to pump fluid from the reservoir to the valve and through the reservoir return conduit to the reservoir. When the control means opens the first outlet, the fluid flows from the reservoir to the delivery outlet. When the control means opens the second valve outlet, the fluid flows through the return conduit to the reservoir.

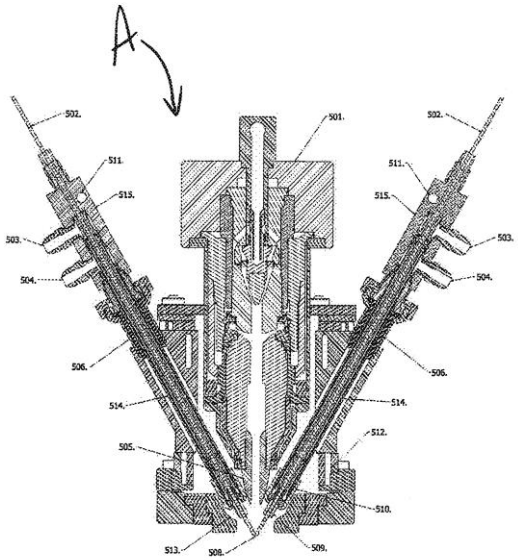


21: 2020/07566. 22: 2020/12/04. 43: 2024/08/06
51: C07D; A61K
71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.
72: HE, HAIYING, XIA, JIANHUA, GONG, ZHEN, LI, JIAN, CHEN, SHUHUI
33: CN 31: 201811189801.1 32: 2018-10-12
33: CN 31: 201810528259.1 32: 2018-05-25
33: CN 31: 201810843225.1 32: 2018-07-27
54: 2,3-DIHYDRO-1H-PYRROLIZINE-7-FORMAMIDE DERIVATIVE AND APPLICATION THEREOF
00: -
The present application relates to a 2,3-dihydro-1H-pyrrolizine-7-formamide derivative as a nucleoprotein inhibitor and an application in preparation of a drug for treating HBV related diseases. The present application specifically relates to a compound represented by formula (II), and isomers or pharmaceutically acceptable salts thereof.



(II)

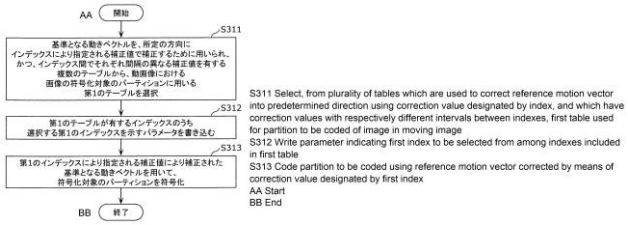
21: 2020/07884. 22: 2020/12/17. 43: 2024/08/12
51: B22F; H05H
71: PYROGENESIS CANADA INC.
72: PROULX, François, DORVAL DION, Christopher, Alex, CARABIN, Pierre
33: US 31: 62/681,623 32: 2018-06-06
54: METHOD AND APPARATUS FOR PRODUCING HIGH PURITY SPHERICAL METALLIC POWDERS AT HIGH PRODUCTION RATES FROM ONE OR TWO WIRES
00: -
The present application relates to a plasma atomization process and apparatus for producing metallic powders from at least one wire/rod feedstock. In the process, an electric arc is applied to the at least one wire/rod feedstock to melt the same. A plasma torch is employed to generate a supersonic plasma stream at an apex at which the electric arc is transferred to the at least one wire/rod feedstock to atomize the molten wire/rod feedstock into particles. A downstream cooling chamber solidifies the particles into the metallic powders. An anti-satellite diffuser is employed to prevent recirculation of the powders in order to avoid satellite formation. In an apparatus where two wires are fed, one wire serves as an anode, and the other as a cathode.



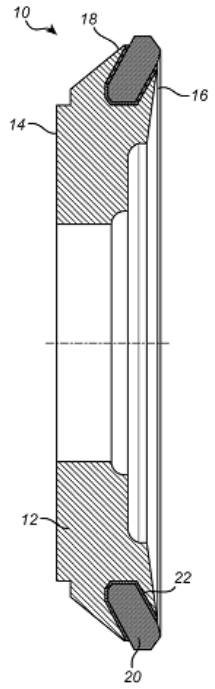
21: 2021/00163. 22: 2021/01/11. 43: 2024/09/27
51: C08G; C08L
71: CLARIANT PLASTICS & COATINGS LTD
72: ROMEO, Bernardo, BOUKOBZA, Sarah
33: EP 31: 18183387.2 32: 2018-07-13
54: COMPOSITION COMPRISING A POLYESTER-POLYETHER POLYMER, A TRANSITION METAL CATALYST, AND AN ACTIVE MATERIAL
00: -
The invention relates to a polymer composition, comprising: a polyether-polyester copolymer, a transition metal catalyst, and an active material that acts on, interacts or reacts with moisture wherein the polyether-polyester copolymer comprises (i) polyether segments wherein at least one polyether segment contains at least one polytetramethylene oxide segment, (ii) polyester segments, (iii) bridging elements of the structure -CO-R2-CO-, wherein R2 represents an optionally substituted bivalent hydrocarbon residue consisting of 1 to 100 carbon atoms; (iv) one or two end-caps R1-O-(C2-C4-O-)e-*, wherein R1 is an optionally substituted hydrocarbon residue and e is an integer of from 0 to 1000. The invention also concerns use of the polymer composition as well as an article of manufacture comprising the polymer composition.

21: 2021/00315. 22: 2021/01/15. 43: 2024/08/01
51: H04N
71: Panasonic Intellectual Property Corporation of America

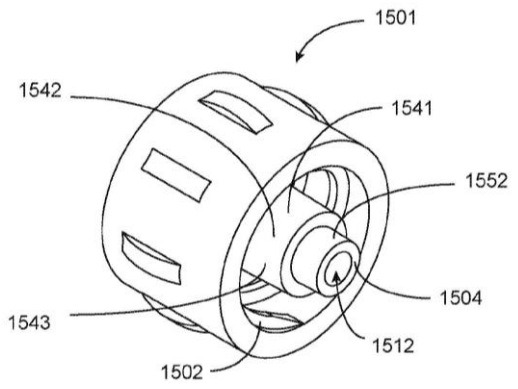
72: LI, Jing Ya, LIM, Chong Soon, SHASHIDHAR, Sughosh Pavan, LIAO, Ru Ling, SUN, Hai Wei, TEO, Han Boon, ABE, Kiyofumi, TOMA, Tadamasa, NISHI, Takahiro
33: US 31: 62/699,930 32: 2018-07-18
54: ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD
00: -
A coding device (100) is provided with a circuit (160) and a memory (162) connected to the circuit (160). The circuit (160): selects, from a plurality of tables which are used, during an operation, to correct a reference motion vector into a predetermined direction using a correction value designated by an index, and which have correction values with respectively different intervals between indexes, a first table used for a partition to be coded of an image in a moving image; writes a parameter indicating a first index to be selected from among indexes included in the first table; and codes the partition using the reference motion vector corrected by means of a correction value designated by the first index.



21: 2021/02030. 22: 2021/03/25. 43: 2024/08/19
51: E21B; E21C
71: Sandvik Mining and Construction Tools AB
72: CLAESSON, Björn, EDERYD, Stefan, SUNDSTRÖM, Johan, BERGLUND, Tomas, MEURLING, Fredrik
33: EP(SE) 31: 18208080.4 32: 2018-11-23
54: DISC CUTTER FOR UNDERCUTTING APPARATUS AND A METHOD OF MANUFACTURE THEREOF
00: -
A disc cutter (10) for a cutting unit used in an undercutting operation comprising an annular disc body (12) made of a metal alloy or metal matrix composite having a first side (14), a second side (16) arranged substantially opposite to the first side (14) and a radially peripheral part (18); and at least one metal alloy, metal matrix composite or cemented carbide cutting part (20) mounted in and substantially encircling the radially peripheral part (18) of the disc body (12) which protrudes outwardly therefrom to engage with the rock during the mining operation; wherein the at least one cutting part (20) is made from a material having a higher wear resistance than the material used for the disc body (12); characterized in that the disc body (12) and the cutting part (20) are joined by diffusion bonds and a method of producing the same.

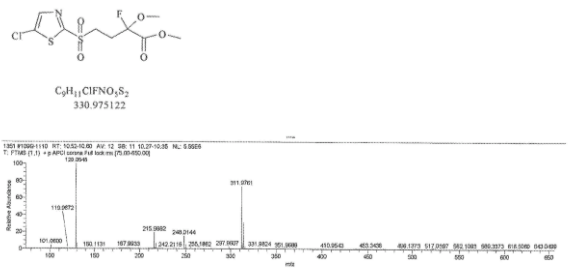


21: 2021/02500. 22: 2021/04/15. 43: 2024/08/05
51: A61M
71: ICU Medical, Inc.
72: ZIEBOL, Robert J., BEILKE, Matthew David
33: US 31: 62/756,967 32: 2018-11-07
54: INFUSION DEVICE WITH ANTIMICROBIAL PROPERTIES
00: -
The present disclosure is directed to an infusion device and method for preventing infection and microbial ingress in medical device connections. The infusion device comprising a male connector, the male connector comprising a male luer having an antimicrobial agent. In certain implementations the male luer comprises a tapered sealing member further comprising a recess containing chlorhexidine acetate.

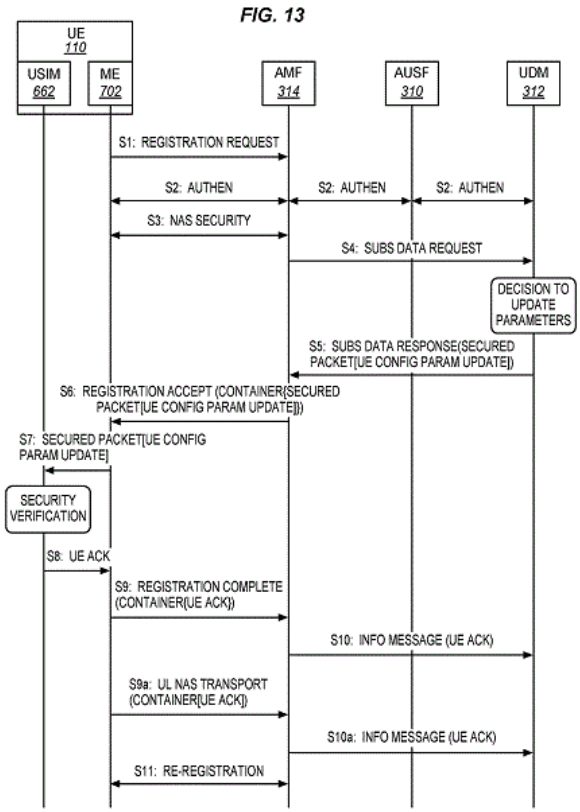


21: 2021/02656. 22: 2021/04/21. 43: 2024/08/14
51: A61K; A61P; A61Q
71: The Procter & Gamble Company
72: BINGHAM, Stephen, JACKOVA, Barbara, HAMPTON, Joshua, NEWLON, Jason William, KOCHHAR, Jaspreet Singh, KHANOLKAR, Jayant, FORNEAR, Aline
33: US 31: 62/780,965 32: 2018-12-18
54: PERSONAL CARE COMPOSITION WITH INCREASED VAPOR RELEASE
00: -
Provided herein is a personal care composition that can exhibit an increased vapor release while maintaining physical stability and texture. The personal care composition can contain from about 35% to about 90% petrolatum, from about 20% to about 50% of an olfactory composition, and a gelling agent mixture. The gelling agent mixture can contain dibutyl lauroyl glutamide, dibutyl ethylhexanoyl glutamide, and a solvent selected from the group consisting of pentylene glycol, propylene glycol, hexylene glycol, 3-methyl-1,3-butanediol, 3-methyl-1,2-butanediol, 1,5-pentanediol, and combinations thereof. The personal care composition can exhibit a vapor release of from about 35 mg to about 300 mg at 8 hours and can have an Instability Index of less than about 0.8.

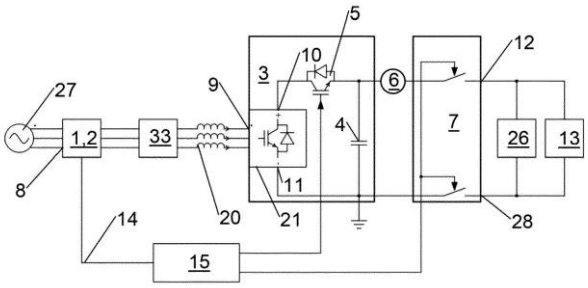
21: 2021/02657. 22: 2021/04/21. 43: 2024/08/20
51: A01N; C07D
71: Adama Makhteshim Ltd.
72: ZELL, Thomas, COHEN, Shlomi
33: US 31: 62/786,587 32: 2018-12-31
54: SYNTHESIS OF 1,1,2-TRIFLUORO-4-(SUBSTITUTED SUFONYL)-BUT-1-ENE
00: -
The present invention provides a process for preparing a compound of formula [I] from a compound of formula [II] using an oxidizing agent and a catalyst, the process is carried out at a low temperature.



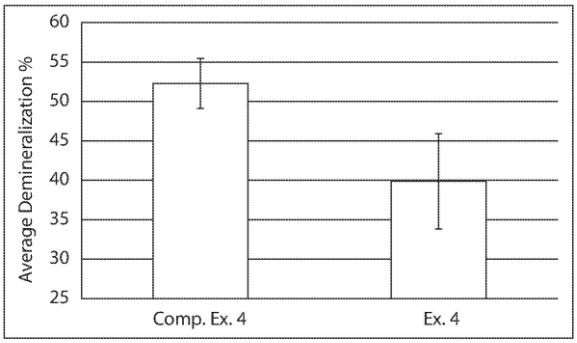
21: 2021/02820. 22: 2021/04/28. 43: 2024/08/19
51: H04L H04W
71: NOKIA TECHNOLOGIES OY
72: LIU, Jennifer
33: US 31: 62/742,341 32: 2018-10-06
54: SYSTEMS AND METHOD FOR SECURE UPDATES OF CONFIGURATION PARAMETERS PROVISIONED IN USER EQUIPMENT
00: -
Systems and methods that update configuration parameters on a UE using control plane functionalities. In one embodiment, an AMF element of a mobile network receives a control plane message from a UDM element that includes a UE configuration parameter update for the UE. The UE configuration parameter update is security protected via a secured packet, integrity protection, etc. The AMF element is configured to transparently send the UE configuration parameter update to the UE. Thus, AMF element inserts the UE configuration parameter update (that is security protected) in a container of a Non-Access Stratum (NAS) message, and sends the NAS message to the UE. The UE may then update its configuration parameters based on the update when security checks are complete.



21: 2021/02892. 22: 2021/04/29. 43: 2024/08/08
51: H02H; H02M
71: Eaton Intelligent Power Limited
72: ASKAN, Kenan
33: DE 31: 10 2018 128 121.8 32: 2018-11-09
54: AC/DC CONVERTER ARRANGEMENT
00: -
In an AC/DC converter arrangement, it is proposed that an input of an AC circuit breaker (1) forms an AC input (8) of the arrangement, an output of the AC circuit breaker (1) being connected to an input (9) of a rectifier (21), a smoothing capacitor (4) connecting a first output (10) to a second output (11) of the rectifier (21), the first output (10) of the rectifier (21) being connected to a first isolating relay (7), an output of the first isolating relay (7) forming a DC output (12) for connecting a DC network, a control and monitoring unit (15) being designed to initiate a separation of the AC input (8) from the DC output (12, 28) in a first step upon detection of a short-circuit current such that a resonant circuit consisting of the smoothing capacitor (4) and an inductance of the DC network connected to the first DC output (12, 28) is excited so as to oscillate, the first isolating relay (7) subsequently being opened.



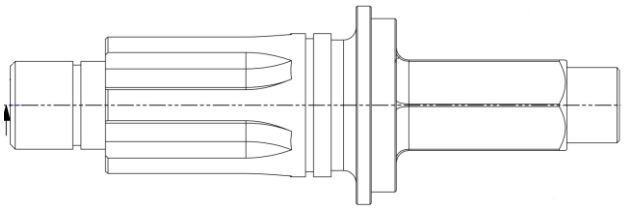
21: 2021/02931. 22: 2021/04/30. 43: 2024/08/08
51: A61K; A61Q
71: Colgate-Palmolive Company
72: TANG, Saide, FEI, Lin, CHOPRA, Suman, UTGIKAR, Neelima
33: US 31: 62/782,702 32: 2018-12-20
54: ORAL CARE COMPOSITIONS
00: -
Described herein are oral care compositions comprising an orally acceptable carrier; an abrasive system comprising a calcium-based abrasive; and a core shell silica particle comprising; a metal silicate; and a silica particle comprising a core having a surface; wherein the metal silicate is chemically bound to a surface of the silica core; and wherein the metal silicate comprises a silicate of a divalent metal ion. Methods of making and using these compositions are also described.



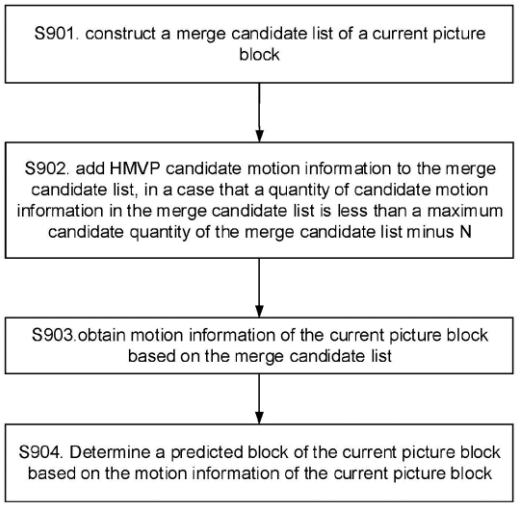
21: 2021/02932. 22: 2021/04/30. 43: 2024/08/08
51: C12Q; G01N
71: IDEXX Laboratories, Inc.
72: GENG, Jinming, ELSEMORE, David Allen
33: US 31: 62/740,100 32: 2018-10-02
54: METHODS, DEVICES, KITS AND COMPOSITIONS FOR DETECTING TAPEWORM
00: -

Methods, devices, kits and compositions for detecting the presence or absence of one or more tapeworm coproantigens in a sample are disclosed herein. The methods, devices, kits and compositions of the present invention may be used to confirm the presence or absence of tapeworm in a fecal sample from a mammal and may also be able to distinguish between different tapeworm species and in tire presence of one or more infections with helminths (such as roundworm, hookworm, whipworm and heartworm), *Giardia* and parvovirus. Confirmation of the presence or absence of tapeworm in the mammal may be made, for example, for the purpose of selecting an optimal course of treating the mammal and/or for the purpose of determining whether the mammal has been rid of the infection after treatment has been initiated.

21: 2021/03052. 22: 2021/05/06. 43: 2022/06/15
51: E21C
71: Roelf Petrus (Dolla) Holl
72: Roelf Petrus (Dolla) Holl
54: ADAPTER ASSEMBLY
00: -
The present invention relates to an adapter for use in a hydraulic drifter, which includes a first end terminating in a shank and an opposing second end terminating in a male engagement member, a shoulder extending between the male engagement member and the shank, the shoulder shaped to circumferentially extend about the male engagement member to increase strength

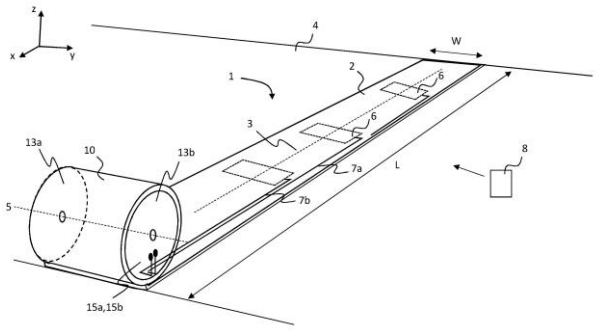


21: 2021/03064. 22: 2021/05/06. 43: 2024/08/08
51: H04N
71: Huawei Technologies Co., Ltd.
72: CHEN, Xu, ZHENG, Jianhua
33: US 31: 62/744,106 32: 2018-10-10
54: INTER PREDICTION METHOD AND APPARATUS
00: -
Methods and apparatuses for inter prediction. The method comprises: constructing a merge candidate list of a current picture block; adding HMVP candidate motion information to the merge candidate list, in a case that a quantity of candidate motion information in the merge candidate list is less than a maximum candidate quantity of the merge candidate list minus N, wherein N is a positive integer; obtaining a merge index of the current picture block; obtaining motion information of the current picture block based on the merge candidate list and the merge index; and determining a predicted block of the current picture block based on the motion information of the current picture block.



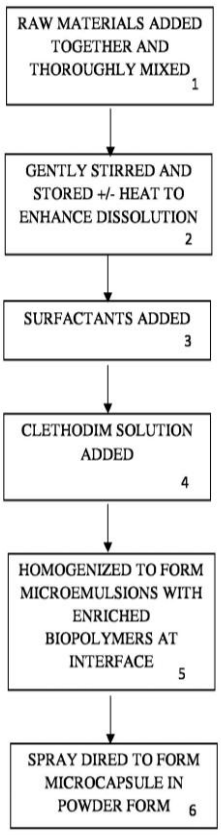
21: 2021/03103. 22: 2021/05/07. 43: 2024/08/08
51: G07C; H01Q
71: Mylaps B.V.
72: VERWOERD, Adriaan Klaas
33: NL 31: 2021987 32: 2018-11-13
54: A ROLLABLE ANTENNA MAT
00: -
A rollable antenna mat for sports timing is described wherein the antenna mat comprises one or more planar antenna structures connected to one or more transmission lines for conveying signals to and/or from the one or more planar antenna structures; each of the one or more planar antenna structures, comprising at least one conductive plate positioned above a conductive ground plane, a spacer element positioned between the conductive ground plane and the conductive plate, the planar antenna structure being configured to generate a radiation field, the radiation field having a main axis that is substantially perpendicular to the conductive plate; and, the planar antenna structure and at least one transmission line being embedded in a flexible elongated sheet structure of one or more elastomeric materials, the flexible elongated sheet structure comprising the embedded one or more planar antenna structures being suitable to be rolled up in a roll, the axis of the roll being substantially

perpendicular to the longitudinal axis of the flexible elongated sheet structure.



21: 2021/03218. 22: 2021/05/12. 43: 2024/08/14
51: A01N
71: Arysta Lifescience Inc.
72: ZHANG, Hong, BRANAGHAN, Rachel Louise, MAUDE, Sarah Jane
33: US 31: 62/760,565 32: 2018-11-13
54: ENCAPSULATION OF CYCLOHEXANEDIONES PROCESS AND PRODUCT
00: -
Encapsulation of cyclohexanediones process and product. A composition particularly adapted for herbicidal use is described, including biopolymer micro-capsules containing one or more cyclohexanediones encapsulated therein, resulting in enhanced chemical stability and dispersibility of the encapsulated cyclohexanediones for such use. A complex coacervation method of forming such microcapsules is also described.

FIGURE



21: 2021/03291. 22: 2021/05/14. 43: 2024/08/05
51: D02G
71: Candiani S.p.A.
72: CANDIANI, Alberto Primo
33: IT 31: 102018000009805 32: 2018-10-25
54: A METHOD FOR MAKING AN ELASTICISED YARN AND FABRIC MANUFACTURED FROM SAID YARN
00: -
A method for making an elasticised yarn (9) comprises the steps of feeding a roving (1) made of a cotton-based natural fibre at a weight percentage of at least 50% and having a linear mass density set between 0.1 Nm and 50 Nm, preferably between 0.3 Nm and 25 Nm, to a stretching unit (30), and a step of extracting it from the stretching unit (30) at a speed higher than the unwinding speed; jointly pulling the stretched roving (3) and an elastic fibre (2) through an overlapping unit (40) by a ring spinning unit (50), forming a spool (59) of the elasticised yarn, wherein the elastic fibre (2) comprises a natural rubber containing more than 80% polyisoprene 1,4-cis, along with to sulphur as a vulcanisation agent at a concentration set between

0.5% and 3.0% by weight, and along with: a vulcanization accelerator and a vulcanization activator; an anti-tacking agent; an antioxidant agent; a stabilisation agent, the elastic fibre (2) obtained by longitudinally cutting a longitudinally cut flat yarn made of the natural rubber, in such a way to attain a linear mass density between 50 dtex and 1000 dtex, preferably between 100 dtex and 800 dtex, in particular between 150 dtex and 500 dtex. This way, by the above mentioned natural rubber composition, a cotton-based elasticised yarn can be obtained that is not likely to break either when being spun, or when used to make a fabric, in particular a denim fabric. An elasticised yarn obtained this way and a fabric, in particular a denim fabric, manufactured from this yarn.

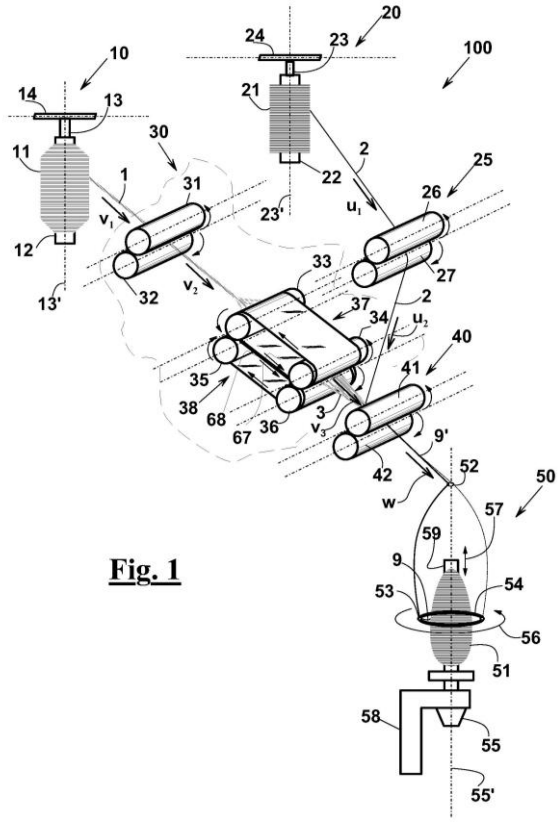
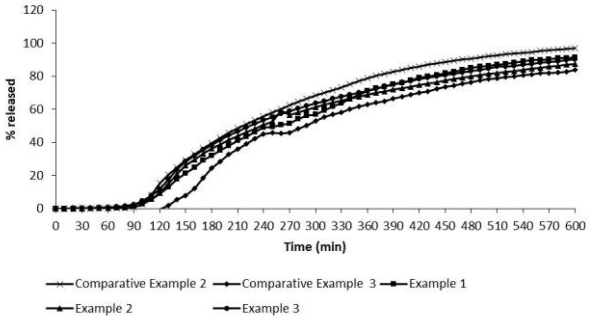


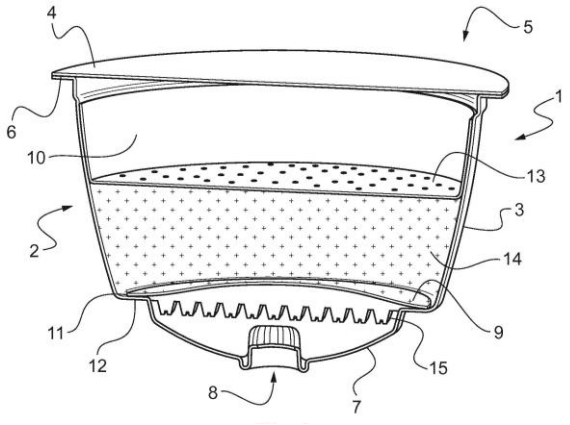
Fig. 1

21: 2021/03678. 22: 2021/05/28. 43: 2024/09/30
51: A61K
71: TILLOTTS PHARMA AG
72: VARUM, Felipe, BRAVO GONZALEZ, Roberto Carlos
33: EP 31: 18211154.2 32: 2018-12-07
54: COLONIC DRUG DELIVERY FORMULATION
00: -
A delayed release drug formulation for oral administration to deliver a drug to the colon of a subject. The formulation comprises a core comprising and drug and coating for the core. The coating comprises an outer layer and an inner layer. The outer layer comprises a film- forming enteric polymer having a pH threshold at about pH 6 or above and the inner layer comprises a film-forming non-ionic polymer that is soluble in intestinal or gastrointestinal fluid, and a buffer agent in an amount from more than 20 wt % to about 60 wt %, based on the dry weight of the non-ionic polymer.

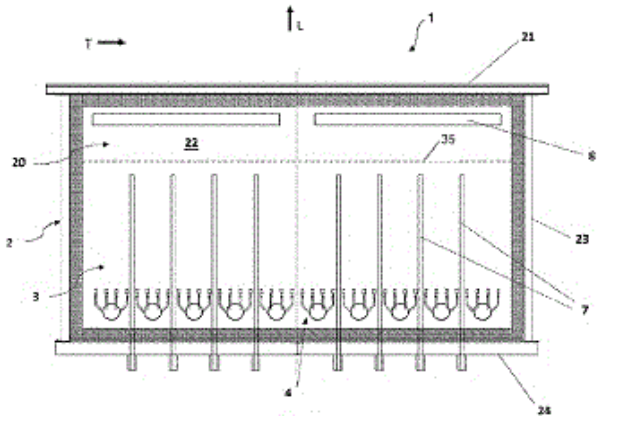


21: 2021/04002. 22: 2021/06/10. 43: 2024/08/08
51: B65D
71: Société des Produits Nestlé S.A.
72: DOGAN, Nihan, MCPOLAND, Karen, MARVILLE, Fred
33: EP(CH) 31: 18207128.2 32: 2018-11-20
54: CAPSULE FOR FOOD OR BEVERAGE PREPARATION COMPRISING AN OVERSIZED MEMBRANE
00: -
The invention relates to a capsule (1) for food or beverage preparation, the capsule (1) comprising a hollow body (2) adapted to be punctured for fluid injection inside the capsule (1), a chamber (10) formed inside the body (2) and containing an ingredient, a membrane (9) covering an opening formed in a bottom end of the chamber (10), an edge of the membrane being fastened to a rim (12) surrounding the opening by fastening means which forms a seal between the body (2) and the membrane (9), and opening means disposed outside the chamber (10) in the vicinity of the membrane (9) configured to open the membrane when it is pressed against said opening means under an opening pressure. The part of the membrane (9) which is surrounded by the seal has a developed surface

area comprised between 110% and 140% of the area of a flat surface surrounded by said seal.

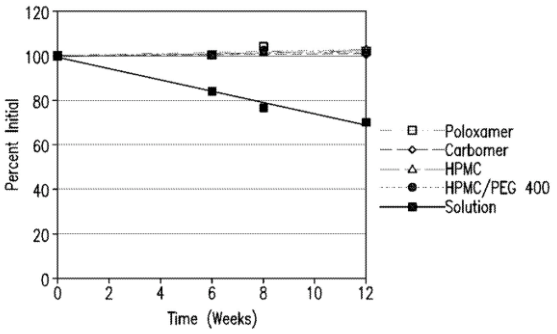


21: 2021/04075. 22: 2021/06/14. 43: 2024/08/12
51: F24S
71: MAGALDI POWER S.P.A.
72: MAGALDI, MARIO, BASSETTI, FULVIO
33: IT 31: 102018000021301 32: 2018-12-28
33: IT 31: 102019000007416 32: 2019-05-28
54: PLANT AND METHOD FOR ACCUMULATION OF ENERGY IN THERMAL FORM
00: -
A plant for the accumulation of energy in thermal form, comprising at least one accumulation device (1), said accumulation device (1) having: - a containment casing (2); - a bed (3) of fluidizable solid particles received within said casing (2); - heating means (7; 70; 70'; 700) thermally connected with said bed of particles (3), which heating means is configured to transmit thermal energy to said particles; and - heat exchange means (8; 5), also thermally connected to said bed of particles (3) and selectively activated to receive thermal energy therefrom, the overall configuration being such that said thermal energy is transferred from the heating means (7; 70; 70'; 700) to the fluidizable solid particles of said bed (3) and, in simultaneous or deferred manner, from said fluidizable solid particles to said heat exchange means (8; 5), wherein the plant is configured to feed said heating means by means of excess electric energy, for example coming from a renewable source, particularly wind or photovoltaic energy, or by means of residual thermal energy, that is thermal waste from industrial processes.



21: 2021/04112. 22: 2021/06/15. 43: 2024/08/05
51: A61K; A61P; C07D
71: Kyorin Pharmaceutical Co., Ltd.
72: SETO, Shigeki, YAMADA, Hitomi, SAITO, Yoshifumi, KURASAKI, Haruaki
33: JP 31: 2019-000915 32: 2019-01-08
54: 15-PGDH INHIBITOR
00: -
[Problem] To provide a compound having a 15-PGDH inhibitory effect. [Solution] A compound represented by general formula (1) or a pharmacologically acceptable salt thereof.

21: 2021/04594. 22: 2021/07/01. 43: 2024/09/23
51: A61K; A61P
71: BAUSCH + LOMB IRELAND LIMITED
72: MOGI, Muneto, BULLOCK, Joseph, Paul, MAHESHWARI, Chinmay, MEDLEY, Quintus, MONTECCHI-PALMER, Michela, STASI, Kalliopi
33: US 31: 62/806,705 32: 2019-02-15
54: FORMULATIONS OF 4-(7-HYDROXY-2-ISOPROPYL-4-OXO-4H-QUINAZOLIN-3-YL)-BENZONITRILE
00: -
The present invention provides formulations of 4-(7-hydroxy-2-isopropyl-4-oxo-4H-quinazolin-3-yl)-benzonitrile (compound I) and methods for treating ocular surface pain by administering such formulations. The present invention also provides methods for treating dry eye disease and ocular hyperemia by administering formulations of 4-(7-hydroxy-2-isopropyl-4-oxo-4H-quinazolin-3-yl)-benzonitrile.



21: 2021/04946. 22: 2021/07/14. 43: 2024/08/19
51: C22B H01M
71: A.C.N. 630 589 507 PTY LTD
72: BEER, Gavin, URBANI, Mark, Daniel
33: AU 31: 2018904918 32: 2018-12-21
33: EP 31: 19161012.0 32: 2019-03-06
54: BATTERY RECYCLING PROCESS
00: -
A method for the recovery of metals from a feed stream containing one or more value metals and lithium, the method comprising: subjecting the feed stream to a sulphuric acid leach to form a slurry comprising a pregnant leach solution of soluble metal salts and a solid residue; separating the pregnant leach solution and the solid residue; subjecting the pregnant leach solution to one or more separate solvent extraction steps, wherein each solvent extraction step recovers one or more value metals from the pregnant leach solution, the remaining pregnant leach solution comprising lithium; and recovery of lithium from the pregnant leach solution.

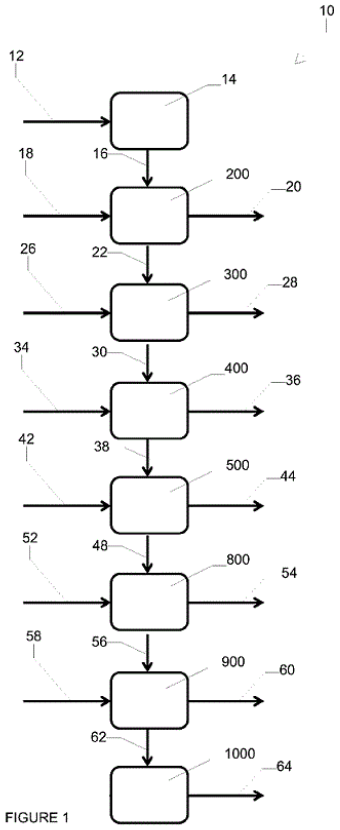
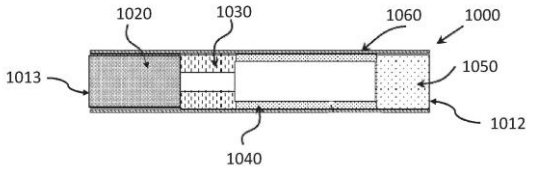
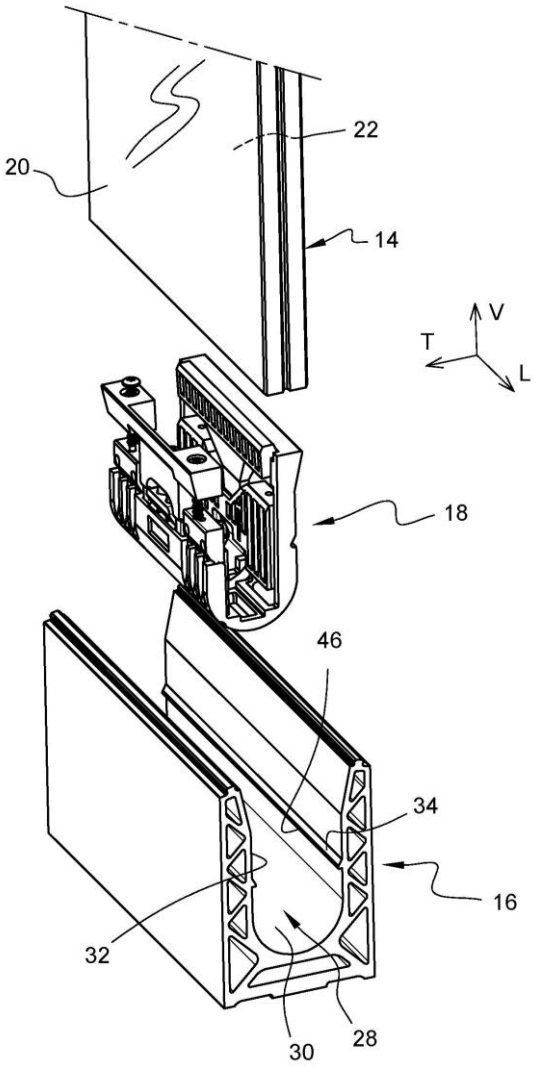


FIGURE 1

21: 2021/05960. 22: 2021/08/19. 43: 2024/09/12
51: A24B; A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: LANG, Gerhard, ARNDT, Daniel, CAMPANONI, Prisca, KNORR, Arno, SCHALLER, Jean-Pierre
33: EP 31: 19176618.7 32: 2019-05-24
54: NOVEL AEROSOL-GENERATING SUBSTRATE
00: -
An aerosol-generating article (1000)(4000a,4000b)(5000) comprising an aerosol-generating substrate (1020), the aerosol-generating substrate including a homogenised plant material, the homogenised plant material comprising at least 2.5 percent by weight of eucalyptus particles on a dry weight basis, an aerosol former and a binder, wherein the aerosol-generating substrate (1020)(4020a, 4020b)(5020) comprises: at least 0.04 mg of eucalyptol per gram of the substrate, on a dry weight basis; at least 0.2 mg of eucalyptin per gram of the substrate, on a dry weight basis; and at least 0.2 mg of 8-desmethyleucalyptin per gram of the substrate, on a dry weight basis.

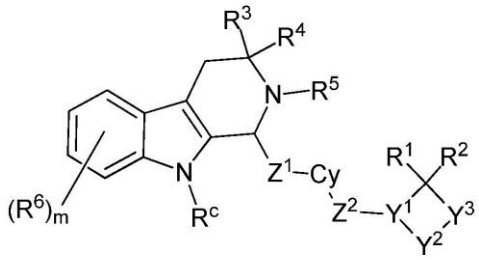


21: 2021/07824. 22: 2021/10/14. 43: 2024/08/26
51: E04F
71: SB INGENIERIE
72: GIACOMETTI, Sylviane, CHAPEL, Romain, ROUIF, Léandre
33: FR 31: FR1905808 32: 2019-05-31
54: ARRANGEMENT FOR SECURING A PANEL IN A RAIL BY TIGHTENING OUTER WEDGES FROM AN INNER SIDE OF THE PANEL
00: -
The invention relates to an arrangement for securing a vertical panel (14) in a longitudinal groove (28), the panel (14) comprising an inner face (20) and an outer face (22), the securing being carried out by transverse clamping between transversely opposed wedges (36A, 36B; 38A, 38B), the arrangement comprising: - an upper outer wedge (38A) and a lower outer wedge (38B) which are each positioned between an outer face (34) of the groove (28) and the outer vertical face (22) of the panel (14); - at least two movable transmission members (62A, 62B) which are each capable of transmitting a sliding force to an associated outer wedge (38A, 38B), the force being applied from an inner side (24) of the panel (14); the arrangement is characterised in that the upper and lower outer wedges (38A, 38B) slide vertically upwards from the released position thereof to the clamped position thereof above the released position.



21: 2021/08745. 22: 2021/11/08. 43: 2024/08/19
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: GOODACRE, Simon Charles, LABADIE, Sharada, LIANG, Jun, ORTWINE, Daniel Fred, RAY, Nicholas Charles, WANG, Xiaojing, ZBIEG, Jason, ZHANG, Birong, LAI, Tommy, LIAO, Jiangpeng, LIU, Zhiguo, WAI, John, WANG, Tao
33: US 31: 62/093,929 32: 2014-12-18
54: TETRAHYDRO-PYRIDO[3,4-b]INDOLE ESTROGEN RECEPTOR MODULATORS AND USES THEREOF
00: -
Described herein are tetrahydro-pyrido[3,4-b]indol-1-yl compounds with estrogen receptor modulation activity or function having the Formula (I) structure and stereoisomers, tautomers, or pharmaceutically acceptable salts thereof, and with the substituents

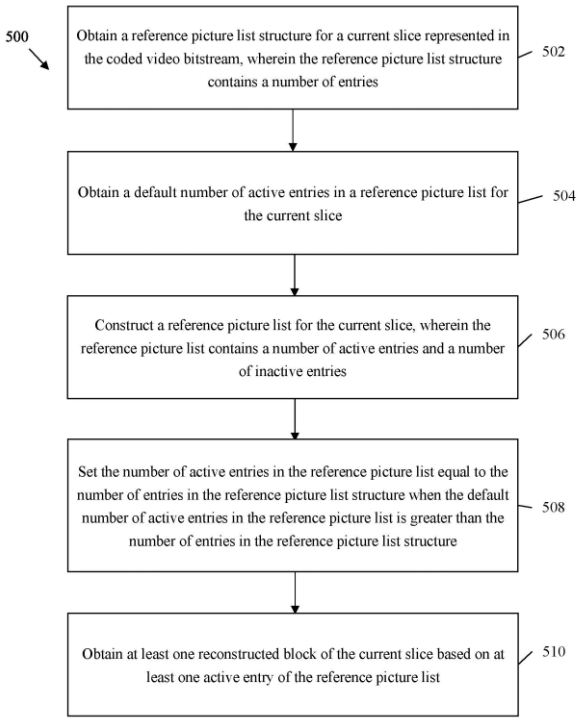
and structural features described herein. Also described are pharmaceutical compositions and medicaments that include the Formula (I) compounds, as well as methods of using such estrogen receptor modulators, alone and in combination with other therapeutic agents, for treating diseases or conditions that are mediated or dependent upon estrogen receptors.



(I)

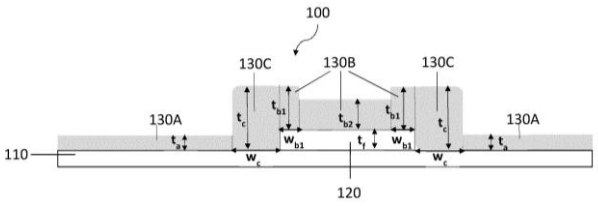
21: 2021/09182. 22: 2021/11/17. 43: 2024/09/12
51: A61K; C07K; A61P
71: NOVARTIS AG
72: DIENER, John Louis, GADTKE, Lars, HARTLEPP, Felix, HU, Tiancen, LADETZKI-BAEHS, Kathrin, ROMANOWSKI, Michael, RUSSO, Cesare, WEZLER, Xenia, XIE, Xiaoling
33: US 31: 62/860,508 32: 2019-06-12
54: NATRIURETIC PEPTIDE RECEPTOR 1 ANTIBODIES AND METHODS OF USE
00: -
This disclosure relates to anti-Natriuretic Peptide Receptor 1 (NPR1) antibodies including agonist antibodies which are able to activate the NPR1 receptor, pharmaceutical compositions comprising the same, and methods of treatment comprising the same.

21: 2021/10257. 22: 2021/12/10. 43: 2024/08/19
51: H04N
71: Huawei Technologies Co., Ltd.
72: HENDRY, Fnu, WANG, Ye-Kui
33: US 31: 62/719,360 32: 2018-08-17
54: REFERENCE PICTURE MANAGEMENT IN VIDEO CODING
00: -
A method of decoding a coded video bitstream includes obtaining a reference picture list structure for a current slice represented in the coded video bitstream, wherein the reference picture list syntax structure contains a number of entries; obtaining a default number of active entries in a reference picture list for the current slice; constructing a reference picture list for the current slice, the reference picture list containing a number of active and inactive entries; setting the number of active entries in the reference picture list equal to the number of entries in the reference picture list structure when the default number of active entries in the reference picture list is greater than the number of entries in the reference picture list structure; and obtaining, based on at least one active entry of the reference picture list, at least one reconstructed block of the current slice.



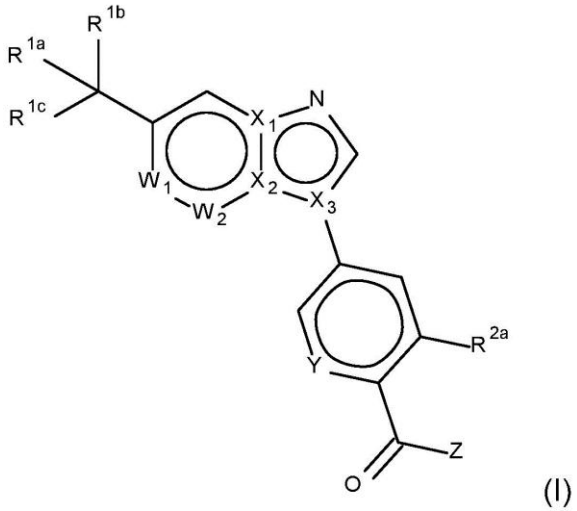
21: 2021/10485. 22: 2021/12/15. 43: 2024/08/01
51: B41M; B42D
71: SICPA HOLDING SA
72: MARTINI, Thibaut, RITTER, Gebhard, GARNIER, Jean, RUGGERONE, Riccardo, VEYA, Patrick
33: EP(CH) 31: 19175971.1 32: 2019-05-22
54: SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
00: -

The present invention relates to the technical field of security documents comprising a security feature, such as a windowed security thread, a security foil, a security patch, a hologram or an ink printed security feature, and a protective coating, and methods of manufacturing of said security documents. The security feature has a security feature thickness t_s of at least about 5 µm (micrometers) and a security feature surface facing away from the substrate consisting of a first region (120b1) adjacent to the edges of the security feature and a second region (120b2) non-adjacent to the edges of the security feature. The protective coating (130A, 130B, 130C) covers the security feature surface facing away from the substrate, a first substrate surface (110c) adjacent to the edges of the security feature, and a second substrate surface (110a), which is different from the substrate surface covered by the security feature and the first substrate surface. The protective coating covering the security feature surface facing away from the substrate and the first substrate surface is transparent, the protective coating (130B) covering the first region (120b1) has a thickness t_{b1}, the protective coating (130B) covering the second region (120b2) has a thickness t_{b2} the protective coating (130C) covering the first substrate surface (110c) has a thickness t_c, and the protective coating (130A) covering the second substrate surface (110a) has a thickness ta. The thickness t_c is larger than the thickness t_t, which is larger than the thickness ta; the thickness t_{b2} is larger than the thickness ta; and either the thickness t_c is larger than the thickness t_{b1}, which is larger than or equal to the thickness t_{b2}; or the thickness t_s is equal to the thickness t bi, which is larger than the thickness t_{b2}. The variable protective coating thickness on the surface of the security document provides the inventive security document with an increased resistance against physical and chemical attacks from the environment, while maintaining the mechanical resistance properties required for such security documents.



21: 2021/10597. 22: 2021/12/17. 43: 2024/08/02
51: A61K; A61P; C07D
71: Galapagos NV
72: ALVEY, Luke Jonathan, BUCHER, Denis, DESROY, Nicolas, JARY, Hélène Marie, PEIXOTO, Christophe, TEMAL-LAÏB, Taoues, TIRERA, Amynata, BONNATERRE, Florence Marie-Emilie, DUTHION, Béranger
33: GB 31: 1907616.5 32: 2019-05-29
54: NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASES
00: -

The present invention discloses compounds according to Formula (I), wherein R^{1a}, R^{1b}, R^{1c}, R^{2a}, W^1, W^2, X^1, X^2, X^3, Y, and Z are as defined herein. The present invention relates to compounds, methods for their production, pharmaceutical compositions comprising the same, and methods of treatment using the same, for the prophylaxis and/or treatment of inflammatory diseases, autoinflammatory diseases, autoimmune diseases, proliferative diseases, fibrotic diseases, transplantation rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformation, diseases involving impairment of bone turnover, diseases associated with hypersecretion of IL-6, diseases associated with hypersecretion of TNFα, interferons, IL-12 and/or IL-23, respiratory diseases, endocrine and/or metabolic diseases, cardiovascular diseases, dermatological diseases, and/or abnormal angiogenesis associated diseases by administering the compound of the invention.



(I)

21: 2022/01453. 22: 2022/02/01. 43: 2024/08/14
51: E01B; E21D; E21F
71: Sandvik Mining and Construction G.m.b.H.
72: RIEGER, Hubert
54: A CONNECTION DEVICE AND SYSTEM FOR SUSPENDING A MONORAIL BEAM FROM A ROOF BOLT
00: -

A connection device (1) for suspending a monorail beam, wherein the connection device (1) comprises a top anchor (2) integrated with a roof bolt or attachable to a roof bolt, wherein the connection device (1) comprises a clamping device (4) for connection to the monorail beam (21, wherein the clamping device comprises a housing (5) attachable to the monorail beam (21), wherein the housing (5) comprises a central recess (6) provided with an opening configured such that the top anchor (2) is movable into and out of the central recess (6) along a first axis (7) through the opening, wherein the clamping device (4) comprises a plurality of locking members (8) radially movable into and out of the central recess (6) with respect to the first axis (7) between an inner locking position (9) in which the locking members (8) prevent the top anchor (2) from moving out of the central recess (6), and an outer open position (10) in which the top anchor (2) is free to move past the locking members (8), and wherein each respective locking member (8) is provided in a respective radial guide recess (11) of the housing (5).

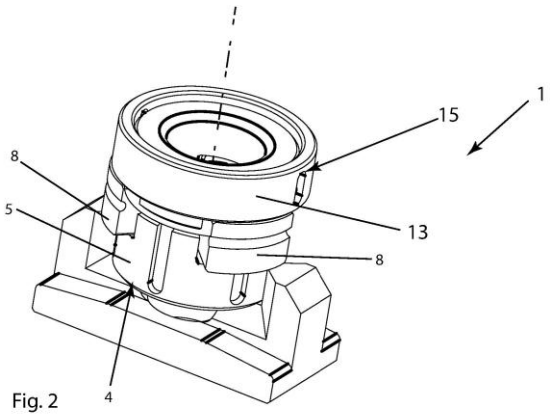


Fig. 2

21: 2022/01938. 22: 2022/02/15. 43: 2024/08/01
51: E04B; F16B; F16L; H02G
71: Gripple Limited
72: DAVIS, Simon, SUNDERLAND, Oliver
33: GB 31: 1912932.9 32: 2019-09-09
54: SUSPENSION ASSEMBLY
00: -
A suspension assembly (10) comprising: a support member (12) for supporting an item; an elongate suspension article (14) defining a securing opening (30); and a securing device (16) on the support member (12). The support member (12) defines an aperture (38) through which the suspension article (14) can be inserted. The securing device (16) has a securing member (68) movable across the aperture (38) between a securing position and a non-securing position. The securing member (68) is receivable through the securing opening (30) in the suspension article (14) to secure the support member (12) to the suspension article (14) when the suspension article (14) is received through the aperture (38) and the securing member (68) is in the securing position.

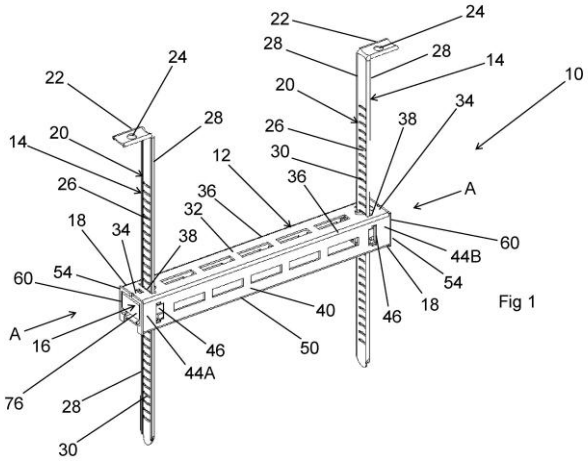
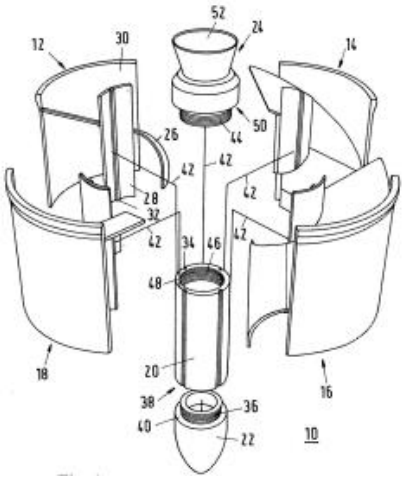


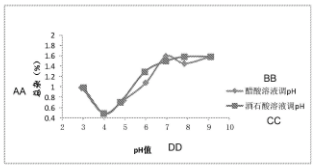
Fig 1

21: 2022/03038. 22: 2022/03/14. 43: 2024/08/06
51: F22B
71: Westinghouse Electric Germany GmbH
72: VANDAMME, François, KROES, Albertus
33: DE 31: 10 2019 006 567.0 32: 2019-09-17
54: STEAM BOILER LIQUID SEPARATOR AND METHOD FOR THE PRODUCTION THEREOF
00: -
The invention relates to a steam boiler liquid separator (10) for a steam boiler (60) through which steam flows vertically, wherein a number of swirl vanes (26) are arranged around a shaft in a pipe section. Each swirl vane (26) is connected to the pipe section, the swirl vanes (26) being shaped such that a steam flow through the pipe section, in addition to its longitudinal motion, is set into rotational motion through the pipe section. The pipe section also has a plurality of pipe segments (30). A shaft also has a plurality of shaft segments (28), and each swirl vane (26) is connected to one pipe segment (30) and to one shaft segment (28) to form a liquid separator segment (12, 14, 16, 18). Finally, the shaft segments (28) are connected to a shaft segment holder (20) in a releasable and form-fitting

manner, and the shaft segments (28) are held by the form-fitting connection in their position as envisaged by the design. The invention also relates to a method for producing the steam boiler liquid separator.

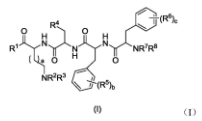


21: 2022/03360. 22: 2022/03/22. 43: 2024/08/22
51: A61K; A61P
71: Xizang Haisco Pharmaceutical Co., Ltd.
72: MO, Yi, LI, Honghu, ZHANG, Li, MA, Xiangling, ZHAO, Can
33: CN 31: 201910751700.7 32: 2019-08-23
54: PEPTIDE AMIDE COMPOSITION AND PREPARATION METHOD THEREFOR
00: -
Disclosed are a peptide amide compound composition, a preparation method therefor and medical use thereof. Specifically, the composition contains a compound of formula (I) and pH regulators, and the pH of the solution thereof is 3-5.5. The composition is stable and requires few excipients, and is stable in clinical use.



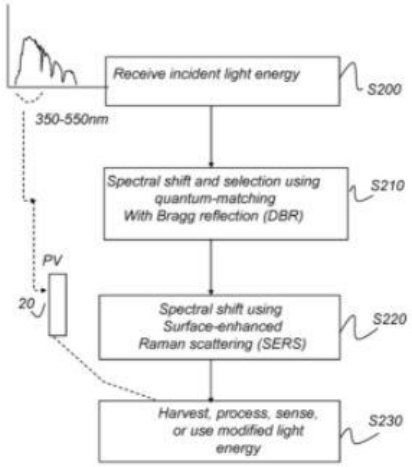
AA Total impurity (%)
BB Regulate pH using an acetic acid solution
CC Regulate pH using a tartaric acid solution
DD pH value

图 1



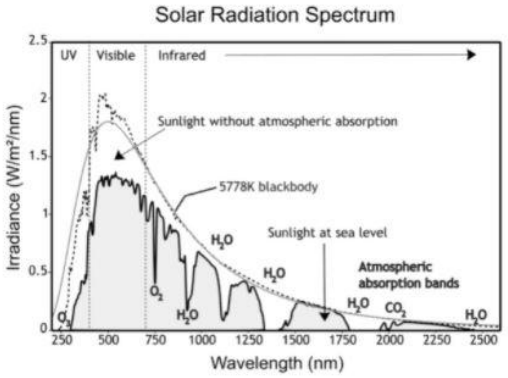
(I)

21: 2022/03512. 22: 2022/03/25. 43: 2024/07/25
51: G02B; H01L
71: SUNDENSITY, INC.
72: SONWALKAR, Nishikant
33: US 31: 62/913,315 32: 2019-10-10
54: OPTICAL COATING FOR SPECTRAL CONVERSION
00: -
An optical coating has a set of layers to reflect a predetermined range of wavelengths, the set of layers including two or more pairs of alternating first and second layers, the first layers having a first refractive index, m, and the second layers having a second refractive index, m, greater than the first refractive index m. The second layers each include a first distribution of nanoparticles of a first material. The layers exhibit a spectral characteristic that shifts a portion of the incident light to a first range of wavelengths and that directs light of the first range of wavelengths to a surface-enhanced Raman scattering (SERS) layer. The SERS layer is configured with a second distribution of conductive nanoparticles of a second material to further shift the light of the first range of wavelengths to a second range different from the first range, according to the second distribution of nanoparticles.



21: 2022/03514. 22: 2022/03/25. 43: 2024/07/25
51: G02B; H01L
71: SUNDENSITY, INC.
72: SONWALKAR, Nishikant
33: US 31: 62/913,315 32: 2019-10-10
33: US 31: 62/927,228 32: 2019-10-29
54: METHOD AND APPARATUS FOR INCREASED SOLAR ENERGY CONVERSION
00: -
There is provided an apparatus for solar energy power conversion comprising: a planar array of light

concentrators distributed in a pattern; a planar array of PV cells distributed in alignment with the light concentrators; and a spectral converter that extends between the planar array of light concentrators and the planar array of PV cells, wherein the spectral converter is configured to convert incident light of a first spectral distribution from the array of light concentrators to outgoing light of a second spectral distribution for the array of PV cells.

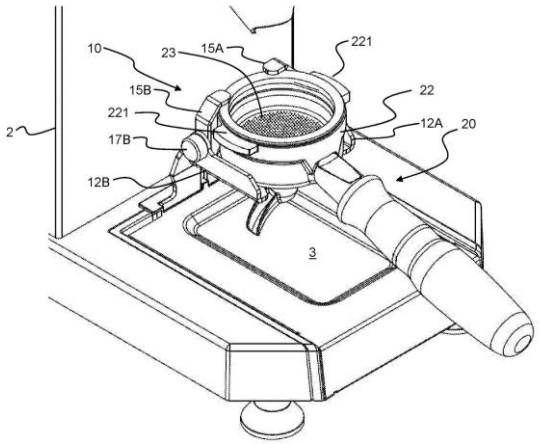


21: 2022/03723. 22: 2022/03/31. 43: 2024/08/06
51: A47J
71: La Marzocco S.r.l.
72: DIONISIO, Andrea
33: IT 31: 102019000019349 32: 2019-10-18

54: COFFEE GRINDER WITH DEVICE FOR FILTER HOLDER OR FILTER DETECTION AND METHOD FOR DETECTING A FILTER HOLDER OR FILTER

00: -

It is disclosed a coffee grinder machine comprising: a machine body with a motor and grinding members for grinding coffee beans; and a device for detecting the presence of a filter and/or a filter holder in a set position suitable for receiving ground coffee, wherein the detecting device comprises a normally-open switch comprising a first half-support for the filter and/or the filter holder and a second half-support for the filter and/or filter holder, and wherein the switch is configured to close when the filter and/or filter holder is in electrical contact with said first half-support and with said second half-support.

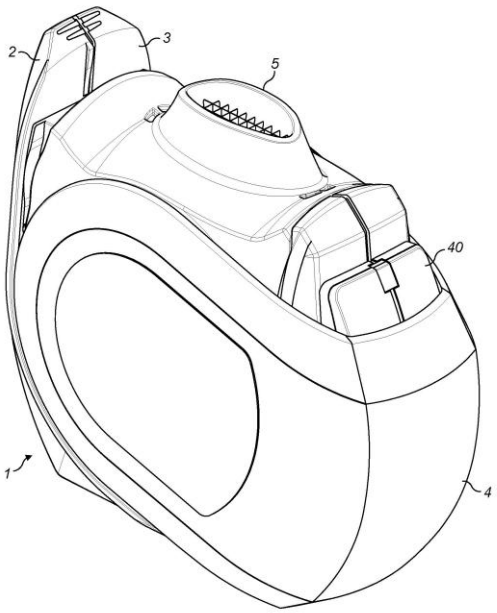


21: 2022/03725. 22: 2022/03/31. 43: 2024/07/30
51: A61M
71: Vectura Delivery Devices Limited
72: MELINIOTIS, Andreas, CLARKE, Roger, COTTON, Darryl, DEAMER, John, SMITH, Philip, SWANBURY, Philip, THOMAS, Seth
33: EP(GB) 31: 19209856.4 32: 2019-11-18
33: EP (GB) 31: 19209858.0 32: 2019-11-18
33: EP (GB) 31: 19209857.2 32: 2019-11-18

54: DRY POWDER INHALER WITH AN ADHERENCE/COMPLIANCE MONITOR

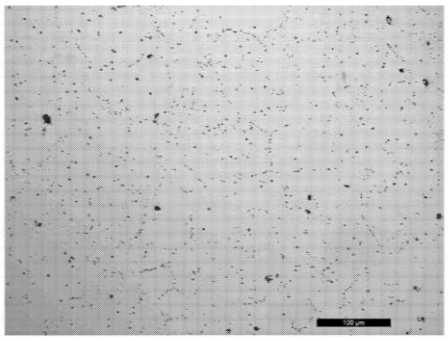
00: -

A dry powder inhaler and an adherence and / or compliance monitor for use with the inhaler are provided. The inhaler has a cover which is pivotable relative to its housing in order to expose a mouthpiece. The monitor has one or more sensors. The inhaler and the monitor have formations for mounting the monitor onto the inhaler. The inhaler and monitor are designed so that when the monitor is mounted onto the housing of the inhaler and the cover is opened, the cover at least partially covers and protects the monitor.



21: 2022/03875. 22: 2022/04/05. 43: 2024/08/06
51: B60R; C08J; C09D; C09K
71: Henkel AG & Co. KGaA
72: SAUER, Ralf, KLOTZ, Michael, CAPPEL, Fiona
33: EP(DE) 31: 19195801.6 32: 2019-09-06
54: THERMALLY EXPANDABLE PREPARATION
00: -
The present application relates to a thermally expandable preparation comprising at least one binder, at least one physical blowing agent, at least two polysaccharides and water, to a method for soundproofing using such preparations, and to the use of these preparations accordingly.

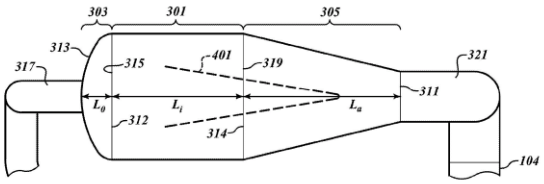
21: 2022/04211. 22: 2022/04/13. 43: 2024/10/16
51: C21D; C22C
71: Weir Minerals Australia Ltd
72: HINCKLEY, Brook
33: AU 31: 2019904197 32: 2019-11-07
54: ALLOY FOR HIGH-STRESS GOUGING ABRASION
00: -
The present invention relates to a manganese steel alloy having a heat-treated microstructure comprising: (a) an alloy composition of: manganese: 12 to 30 wt%; carbon:1.0 to 2.0 wt%; chromium: 4.5 to 7.0 wt%; molybdenum: 0.0 to 3.0 wt%; and iron and impurities: balance, and (b) an austenitic ferrous matrix; and (c) formed refractory particles dispersed throughout the austenitic ferrous matrix such that = 10% of the formed refractory particles are located within crystallites of the austenitic ferrous matrix, as opposed to being located at grain boundaries between the crystallites, wherein the formed refractory particles are compounds of carbides and/or borides and/or nitrides of any one or more of chromium, zirconium, hafnium, tantalum, molybdenum, and tungsten. The invention further relates to equipment adapted for high-stress gouging abrasion that includes the manganese steel alloy of the invention, and a method of producing the manganese steel alloy of the invention.



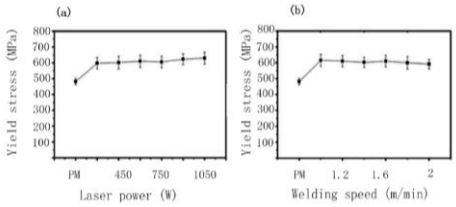
21: 2022/04261. 22: 2022/04/14. 43: 2024/08/14
51: A01N; A01P
71: Sumitomo Chemical Company, Limited
72: LIU, Jane
33: US 31: 62/926,642 32: 2019-10-28
54: NOVEL CLOTHIANIDIN COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention is directed to a pesticidal composition comprising clothianidin, a graft copolymer, an acrylic (type) co-polymer having a backbone containing a carboxylated ethylenically unsaturated monomer and a non-carboxylated ethylenically unsaturated monomer and optionally, a polyethylene oxide)-poly(propylene oxide)-poly(ethylene oxide) block copolymer having an average molecular weight from about 4950 to about 6500 and a hydrophile weight percentage from about 30% to about 50%. The present invention is further directed to a method of controlling a pest comprising applying a composition of the present invention to an area in need of pest control.

21: 2022/04356. 22: 2022/04/19. 43: 2024/07/30
51: B01D; C12M
71: Calysta, Inc.

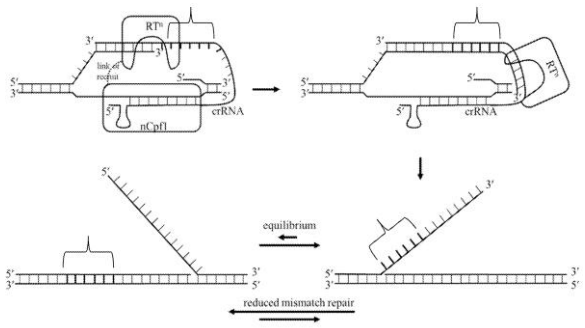
72: NGUYEN, Luan Thanh, SILVERMAN, Joshua A., AYLEN, Graham Ian
33: US 31: 62/545,347 32: 2017-08-14
54: GAS-FED FERMENTATION REACTORS, SYSTEMS AND PROCESSES UTILIZING GAS/LIQUID SEPARATION VESSELS
00: -
Reactors, systems and processes for the production of biomass by culturing microorganisms in aqueous liquid culture medium circulating inner loop reactor which utilize nonvertical pressure reduction zones are described. Recovery and processing of the culture microorganisms to obtain products, such as proteins or hydrocarbons is described.



21: 2022/04433. 22: 2022/04/20. 43: 2024/09/06
51: B23K
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY, XUZHOU XCMG EXCAVATOR MACHINERY CO., LTD., JIANGSU RUNYANG AUTOMOBILE PARTS MANUFACTURING CO., LTD.
72: FAN, Yu, SONG, Zhike, ZHANG, Jun, FANG, Rongchao, YANG, Yong, DING, He, LI, Yongchao, FAN, Peng, AN, Ze, ZHANG, Lixiang, XU, Jie, CHEN, Zheng
33: CN 31: 201911165986.7 32: 2019-11-25
54: HIGH-ENTROPY ALLOY ALCOCRFENI/27SIMN STEEL COMPOSITE LAYER PREPARED BY LASER CLADDING WELDING AND PREPARATION METHOD THEREOF
00: -
The present invention provides a method for preparing a high-entropy alloy AlCoCrFeNi/27SiMn steel composite layer by laser cladding welding, including the following steps: 1) preparing high-entropy alloy AlCoCrFeNi raw materials, putting the raw materials into a melting furnace, evacuating the melting furnace with an evacuation system until a vacuum degree is less than 5×10-3 Pa, then shutting down the evacuation system, and filling the melting furnace with argon until the pressure is 0.01 atm; 2) adjusting an arc gun for melting to above the raw materials, starting melting, and then cooling the raw materials; 3) processing the obtained high-entropy alloy AlCoCrFeNi into a sheet metal, covering a 27SiMn steel cylinder with the sheet metal, carrying out multi-pass lap welding on the sheet metal and the cylinder by laser welding; and 4) extruding the sheet metal until the sheet metal is closely attached to the cylinder, and carrying out diameter reduction and fusion, thereby obtaining the high-entropy alloy AlCoCrFeNi/27SiMn steel composite layer. A yield stress of the composite layer prepared according to the present invention is greater than that of the high-entropy alloy AlCoCrFeNi base material, and a friction coefficient of the composite layer is less than that of the high-entropy alloy AlCoCrFeNi base material. Thus, the composite layer has better wear resistance and corrosion resistance.

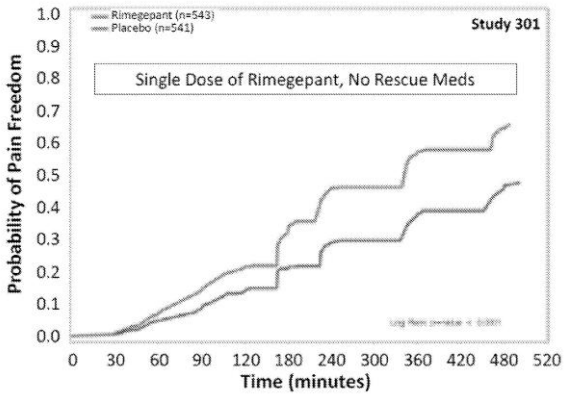


21: 2022/04756. 22: 2022/04/28. 43: 2024/09/03
51: A61K; C12N
71: PAIRWISE PLANTS SERVICES, INC.
72: WATTS, Joseph Matthew, HUMMEL, Aaron, KIM, Yongjoo, LAWIT, Shai Joshua, SCHWARK, David
33: US 31: 62/930,836 32: 2019-11-05
54: COMPOSITIONS AND METHODS FOR RNA-ENCODED DNA-REPLACEMENT OF ALLELES
00: -
This invention relates to recombinant nucleic constructs comprising Type V CRISPR-Cas effector proteins, reverse transcriptases and extended guide nucleic acids and methods of use thereof for modifying nucleic acids in plants. In a first aspect, a method of modifying a target nucleic acid is provided, the method comprising: contacting the target nucleic acid with (a) a Type V CRISPR-Cas effector protein or a Type II CRISPR-Cas effector protein; (b) a reverse transcriptase, and (c) an extended guide nucleic acid (e.g., extended Type II or Type V CRISPR RNA, extended Type II or Type V CRISPR DNA, extended Type II or Type V crRNA, extended Type II or Type V crDNA), thereby modifying the target nucleic acid.



21: 2022/04823. 22: 2022/04/29. 43: 2024/08/06
51: A61K; A61Q
71: Givaudan SA
72: NESSBACH, Kristin, MUELLER, Joachim
33: GB 31: 1915839.3 32: 2019-10-31
54: HAIR CARE COMPOSITION
00: -
A hair care composition comprising functional silk proteins is provided.

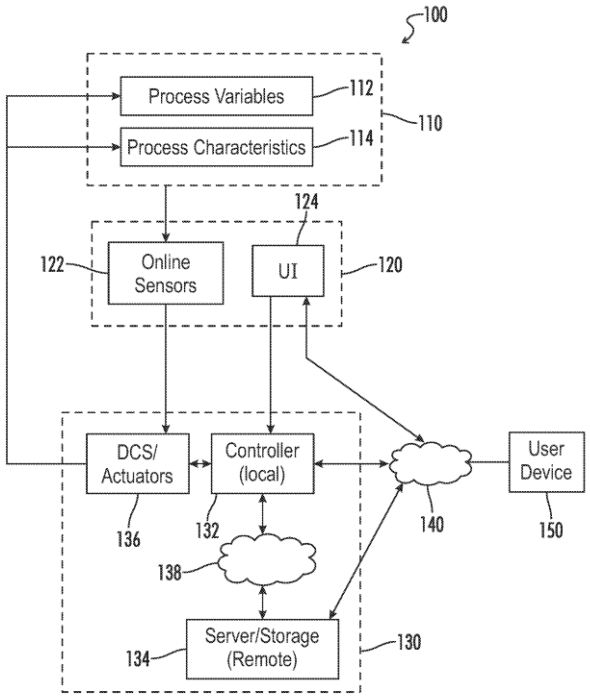
21: 2022/04929. 22: 2022/05/05. 43: 2024/08/13
51: A61K; A61P; C07D
71: Pfizer Ireland Pharmaceuticals
72: CORIC, Vladimir, CROOP, Robert
33: US 31: 62/647,794 32: 2018-03-25
54: RIMEGEPANT FOR CGRP RELATED DISORDERS
00: -
Disclosed are methods of treating CGRP related disorders, e.g., migraine, by administering to a patient in need thereof rimegepant or a pharmaceutically acceptable salt thereof. Pharmaceutical compositions comprising rimegepant and kits including the pharmaceutical compositions and instructions are also disclosed.



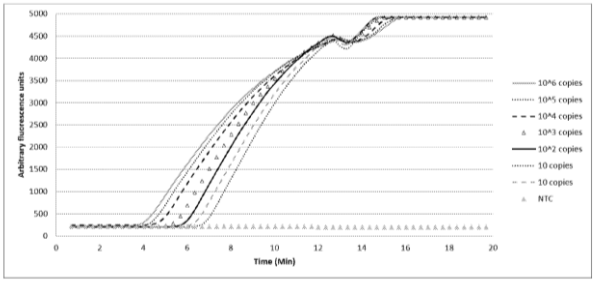
21: 2022/04941. 22: 2022/05/05. 43: 2024/09/12
51: A61K; C07H; A61P
71: ORIC PHARMACEUTICALS, INC.
72: DU, Xiaohui, EKSTEROWICZ, John, FANTIN, Valeria R., SUN, Daqing, YE, Qiuping, MOORE, Jared, ZAVOROTINSKAYA, Tatiana, BLANK, Brian R., REW, Yosup, WU, Kejia, ZHU, Liusheng, PHAM, Johnny, KAWAI, Hiroyuki, YEH, Chien-Hung
33: US 31: 62/928,138 32: 2019-10-30
33: US 31: 62/987,806 32: 2020-03-10
33: US 31: 63/088,646 32: 2020-10-07
54: CD73 INHIBITORS
00: -
Described herein are CD73 inhibitors and pharmaceutical compositions comprising said compounds. The subject compounds and compositions are useful for the treatment of cancer, infections, and neurodegenerative diseases.

21: 2022/04942. 22: 2022/05/05. 43: 2024/09/12
51: D21C; D21D
71: BUCKMAN LABORATORIES INTERNATIONAL, INC.
72: SCHROEN, Mark D., ARREOLA, Sergio, WHITE, Robert Brian, LUSK, Richard, BRANDEBURG, Nate
33: US 31: 62/935,418 32: 2019-11-14
54: PREDICTIVE CONTROL SYSTEM AND METHOD FOR BROWN WASHING TREATMENT IN PULP MILLS
00: -
A system and method are provided for predictive control of brown stock treatment at a pulp mill. Various online sensors generate output signals representative of actual values for respective process characteristics, each of which are directly or indirectly affected by adjustments to corresponding process variables. A controller uses the output signals or associated measurement data to dynamically set target values for the process characteristics based on a predicted impact of control responses for corresponding process variables. The controller further generates control signals to actuators associated with the respective process variables based on detected variations between the respective actual values and target values. Exemplary brown stock washing control systems may optimize various types of brown stock washing configurations, including for example vacuum drum washers, compaction baffle washers, chemiwashers, direct displacement washers and

wash presses. Cloud-based analytics and machine learning may also be implemented to improve the control algorithms over time.



21: 2022/05093. 22: 2022/05/09. 43: 2024/09/12
51: C12Q; G01N
71: BIOCRUCIBLE LTD
72: ARMES, Niall, WILLIAMS, Hannah, FORREST, Matthew, PARKER, Mathew, LIU, Sidong, PARKER, Lauren
33: GB 31: 1916379.9 32: 2019-11-11
54: BIOCHEMICAL REACTION METHODS AND REAGENTS COMPRISING INTRINSICALLY DISORDERED REGIONS
00: -
The invention relates to processes for performing biochemical reactions, such as in an aqueous in vitro reaction system. The processes involve macromolecules, particularly polypeptides, comprising one or more functional intrinsically disordered regions (IDRs). The invention also relates to IDR-macromolecules, including IDR-polypeptides, including macromolecules or polypeptides comprising a tagged amino acid sequence which comprises or consists of one or more functional IDRs. Such functional IDRs are capable of increasing the efficiency of the biochemical reaction. The invention relates to kits comprising any such macromolecules and polypeptides. The invention further relates to processes for stimulating or enhancing liquid-liquid demixing in a solution using any such macromolecules and polypeptides, including in combination with multivalent metal ions, thereby providing reagents capable of increasing the efficiency of a biochemical reaction.



21: 2022/05152. 22: 2022/05/10. 43: 2024/09/19
51: E21B; G01V
71: REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD
72: LAWIE, David Charles, KOPLAN, Christopher Thomas, JACKSON, John Carl, WILSON, Cory Bryce, HITCHEN, Joel, PELL, Christopher, BLAINE, Frederick, GUTTERUD, Erik
33: US 31: 62/942,353 32: 2019-12-02
54: FIT FOR PURPOSE MEASUREMENT SYSTEM FOR DRILL HOLE LOGGING
00: -
A drill hole logging system (5) incorporates a computing system (58) at the surface and a deployment mechanism (40) for conveying a logging tool (10) configured to measure one or more geophysical parameters into a drill hole (20). A transmission means (57) communicates commands and data representing the geophysical parameters between the surface computing system and the logging tool. A borehole caliper (300) is employed to profile the inside of the borehole.

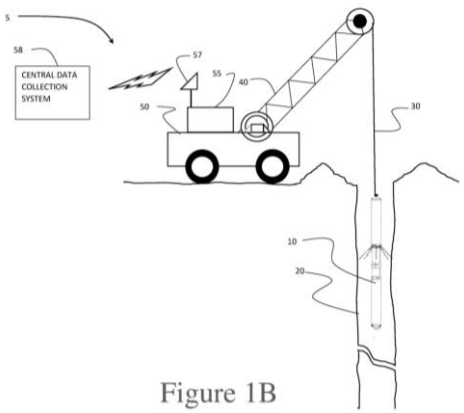
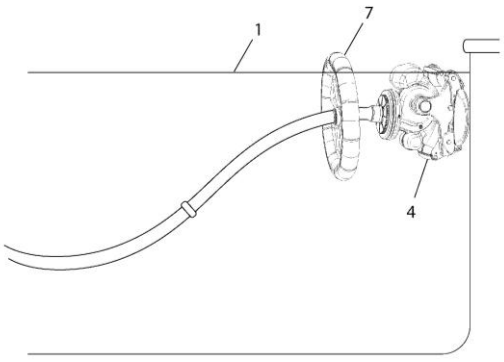


Figure 1B

21: 2022/05277. 22: 2022/05/12. 43: 2024/09/11
51: E04H
71: KREEPY KRAULY AUSTRALIA PTY LTD
72: NIEWIAROWSKI, Wieslaw
33: AU 31: 2019903939 32: 2019-10-18
54: SWIMMING POOL CLEANER WATER SURFACE DIVERTER
00: -
A pool cleaner water surface diverter (7) that will break the pool water surface (1) before the pool cleaner (4) reaches the surface, or at least before the suction of the cleaner (4) is able to suck in air. A rim (12) extends beyond a physical envelope of the cleaner, such as being wider than is the cleaner. Ideally the diverter has neutral or near neutral buoyancy in the pool water. A central hub on a pool hose (5) allows rotation of the diverter relative to the hose. compartments/containers may contain a substantially buoyancy neutral fluid or material in water e.g. PVA foam.



21: 2022/05278. 22: 2022/05/12. 43: 2024/09/11
51: E04H
71: KREEPY KRAULY AUSTRALIA PTY LTD
72: NIEWIAROWSKI, Wieslaw
33: AU 31: 2019903940 32: 2019-10-18
54: TRACKED SUCTION POOL CLEANER
00: -
A suction pool cleaner (1) for cleaning of a pool surface, the pool cleaner (1) comprising a housing (11) having a debris inlet (13) for suction-drawn flow of water and debris, a first leg assembly (3) and a second leg assembly (5), each leg assembly (3, 5) being pivotable with respect to the housing (11), each leg assembly (3, 5) having a rotatable loop track (39) for moving the pool cleaner (1) over the pool surface, the tracks (39) being selectively rotatable in a first direction and an opposite second direction, wherein when the tracks (39) are rotated in opposite directions to one another, the leg assemblies (3, 5) pivot with respect to the housing (11) in opposite directions, thereby lifting the debris inlet (13) away from the pool surface such that suction force between the debris inlet (13) and the pool surface is reduced along with the footprint provided by each track (39) such that less power is required to turn the pool cleaner (1).

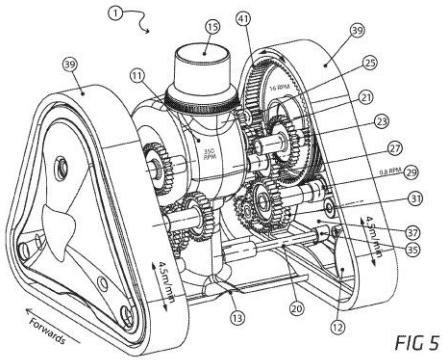
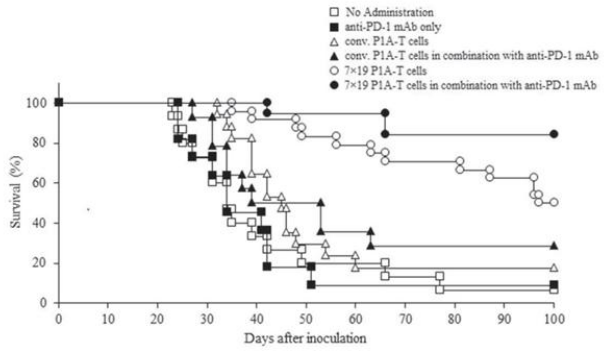


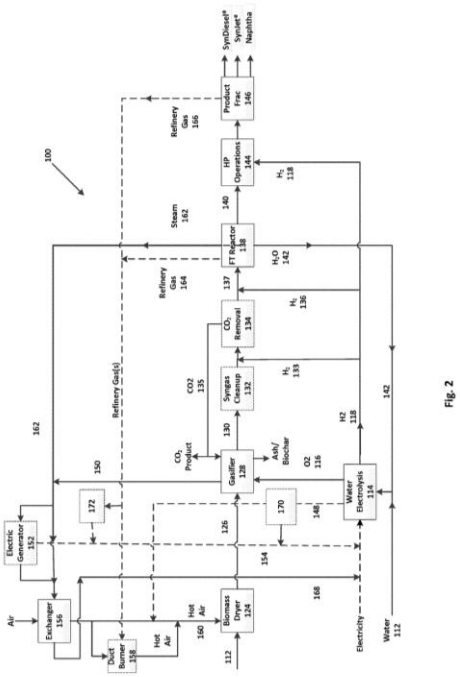
FIG 5

21: 2022/05658. 22: 2022/05/23. 43: 2024/09/12
51: A61K; C07K; C12N; A61P
71: NOILE-IMMUNE BIOTECH INC.
72: TAMADA, Koji, SAKODA, Yukimi, ADACHI, Keishi
33: JP 31: 2019-195407 32: 2019-10-28
54: DRUG FOR TREATING CANCER, COMBINATION DRUG, DRUG COMPOSITION, IMMUNE RESPONSIVE CELL, NUCLEIC ACID DELIVERY VEHICLE, AND PRODUCT
00: -
An exemplary combination drug includes (a1) an immunoresponsive cell expressing interleukin-7, CCL19, and a cell surface molecule that specifically recognizes a cancer antigen or (a2) one or more

kinds of cells, one or more kinds of nucleic acid delivery vehicles, or a combination thereof, which cooperatively include a nucleic acid encoding interleukin-7 and a nucleic acid encoding CCL19; and (b) an immunosuppression inhibitor, and the drug is for use in treatment of a cancer in a subject. An exemplary immunoresponsive cell expresses interleukin-7, CCL19, an immunosuppression inhibiting polypeptide, and a cell surface molecule that specifically recognizes a cancer antigen.



21: 2022/05739. 22: 2022/05/24. 43: 2024/09/12
51: C10G; C10J; C25B
71: EXPANDER ENERGY INC.
72: PRICE, Steve, KRESNYAK, Steve, CRAWFORD, Gord
33: US 31: 62/933,015 32: 2019-11-08
54: PROCESS FOR PRODUCING SYNTHETIC HYDROCARBONS FROM BIOMASS
00: -
A process for preparing synthetic hydrocarbons from a biomass feedstock is provided. The process involves electrolyzing water in an electrolyzer to produce oxygen and hydrogen, using the generated oxygen to gasify a biomass feedstock under partial oxidation reaction conditions to generate a hydrogen lean syngas, adding at least a portion of the generated hydrogen to the hydrogen lean syngas to formulate hydrogen rich syngas, which is reacted a Fischer Tropsch (FT) reactor to produce the synthetic hydrocarbons and water. At least a portion of the water produced in the FT reaction is recycled for use in the electrolysis step, and optionally using heat generated from the FT reaction to dry the biomass feedstock.



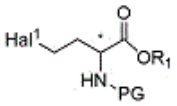
21: 2022/05859. 22: 2022/05/26. 43: 2024/08/06
51: C03C
71: Saint-Gobain Glass France
72: JAMART, Juliette, LALLEMENT, Marion
33: FR 31: 2002502 32: 2020-03-13
54: GLASS SHEET COATED WITH A STACK OF THIN LAYERS AND AN ENAMEL LAYER
00: -
The invention relates to a material comprising a glass sheet coated on at least a part of one of its faces with a stack of thin layers, said stack being coated on at least part of its surface with an enamel layer that does not comprise bismuth, wherein said enamel layer is coated with an anti-adhesive layer.

21: 2022/05914. 22: 2022/05/27. 43: 2024/09/25
51: A61K; A61P
71: SUVEN LIFE SCIENCES LIMITED
72: JASTI, Venkateswarlu, NIROGI, Ramakrishna, JAYARAJAN, Pradeep, REBALLI, Veena, ABRAHAM, Renny, SHINDE, Anil Karbhari, BENADE, Vijay, Sidram, BADANGE, Rajesh
33: IN 31: 201941049513 32: 2019-12-02
33: IN 31: 201941049515 32: 2019-12-02
54: METHODS FOR TREATING BEHAVIORAL AND PSYCHOLOGICAL SYMPTOMS IN PATIENTS WITH DEMENTIA
00: -
The present invention provides a method for treating behavioral and psychological symptoms in patients

with dementia comprising administering an effective dose of pure 5-HT6 receptor antagonist and acetylcholinesterase inhibitor or NMDA receptor antagonist. The present invention also relates to a pharmaceutical combination comprising pure 5-HT6 receptor antagonist and acetylcholinesterase inhibitor or NMDA receptor antagonist, in particular for treating behavioral and psychological symptoms in patients with dementia. The present invention further provides use of the said compounds in the manufacture of a medicament, and a pharmaceutical composition comprising the said compounds intended for the treatment of disorders described herein.

21: 2022/06157. 22: 2022/06/02. 43: 2024/08/05
51: A01N; C09D
71: ADAMA MAKHTESHIM LTD., RHODIA OPERATIONS
72: SILBERT, GILAD, BERKOVITCH, MICHAEL, WILSON, DAVID JAMES
33: US 31: 62/265,725 32: 2015-12-10
54: POLYELECTROLYTE-LAYER FORMING BLOCK COPOLYMERS AND COMPOSITIONS AND USES THEREOF
00: -
The present invention relates generally to polyelectrolyte-layer forming block copolymers adsorbed at colloid interfaces in aqua solution and compositions and uses thereof. In particular, the present invention relates to agricultural material compositions comprising particles of at least one agricultural material and a polyelectrolyte-layer forming block copolymer. The present invention also relates to non-agricultural material compositions comprising particles of at least one non- agricultural material and a polyelectrolyte-layer forming block co-polymer.

21: 2022/06171. 22: 2022/06/02. 43: 2024/08/08
51: C07F; C07C
71: LIER CHEMICAL CO., LTD., GUANGAN LIER CHEMICAL CO., LTD.
72: LIU, YONGJIANG, ZHOU, LEI, ZENG, WEI, XU, MIN, CHENG, KE, YIN, YINGSUI
33: CN 31: 202010064268.7 32: 2020-01-20
54: PREPARATION METHOD FOR GLUFOSINATE AMMONIUM
00: -
A preparation method for glufosinate ammonium or a salt thereof, an enantiomer thereof, or mixtures of the enantiomer thereof in all ratios, comprising reacting a compound of formula (II) or a salt, an enantiomer, or mixtures of the enantiomer in all ratios with one or more compounds of formula (III) or mixtures thereof.

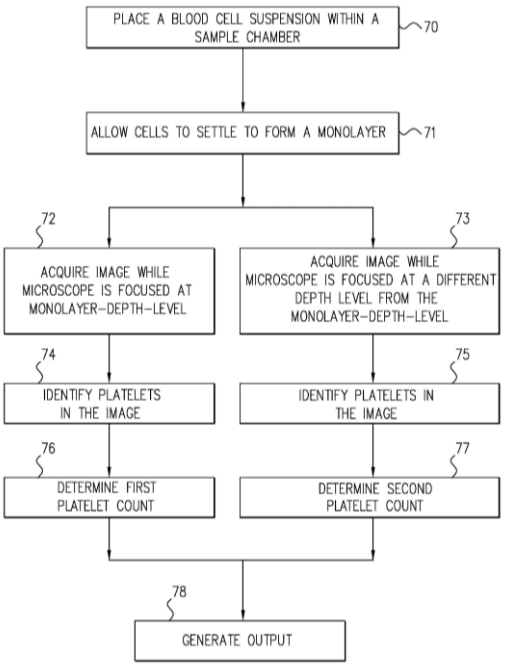


(II)



(III)

21: 2022/06311. 22: 2022/06/07. 43: 2024/07/30
51: G01N
71: S.D. Sight Diagnostics Ltd
72: YAFIN, Peretz, GLUCK, Dan, ZAIT, Amir, ESHEL, Yochay Shlomo, LEVY, Sarah, POLLAK, Joseph Joel
33: US 31: 62/946,998 32: 2019-12-12
54: DETECTING PLATELETS IN A BLOOD SAMPLE
00: -
Apparatus and methods are provided including imaging a blood sample that is a cell suspension deposited in a sample chamber. The cells are allowed to settle in the sample chamber to form a monolayer of cells. At least one microscopic image is acquired of the monolayer of cells using a microscope (24) while the microscope is focused at a monolayer-depth-level, and a first platelet count of platelets that have settled within the monolayer, is determined. An additional microscopic image of the sample is acquired, while the microscope is focused at a different depth level from the monolayer-depth-level, and a second platelet count of platelets that have not settled within the monolayer is determined. An output is generated based upon the first and second platelet counts. Other applications are also described.



21: 2022/06317. 22: 2022/06/07. 43: 2024/07/30
51: B02C
71: thyssenkrupp AG, thyssenkrupp Polysius GmbH
72: GUERRERO PALMA, Pedro, PETERS, Alexander
33: BE 31: 2020/5092 32: 2020-02-14
33: DE 31: 10 2020 201 892.8 32: 2020-02-14
54: ROLLER MILL WITH A SYNCHRONIZING DEVICE
00: -
The present invention relates to a roller mill (10) for comminuting bulk material, comprising a first milling roller (12) and a second milling roller (14), which are arranged so as to be opposite one another and which can be driven in a contra-rotating manner, wherein a milling gap (16) is formed between the milling rollers (12, 14), and a floating bearing unit (26) for receiving the first milling roller (12), and a fixed bearing unit (28) for receiving the second milling roller (14), wherein the floating bearing unit (26) has two bearings (34, 36) which each receive one end of the first milling roller (12), wherein the floating bearing unit (26) has mounted thereon a plurality of hydraulic actuators (38, 40) for applying a force to the floating bearing unit (26), and wherein the bearings (34, 36) of the floating bearing unit (26) are connected to one another by way of a synchronizing device (42), wherein the synchronizing device (42) has a coupling element (62, 64; 82) that prevents a relative movement of the bearings (34, 36) in a coupling position and allows a relative movement of the bearings (34, 36) in a free position.

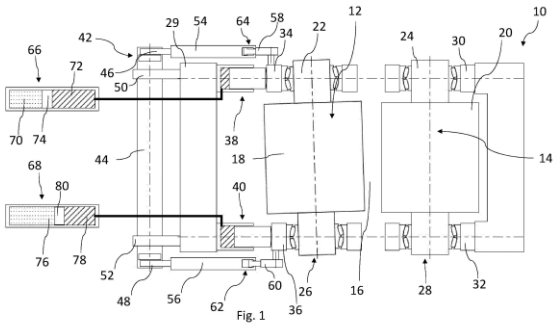
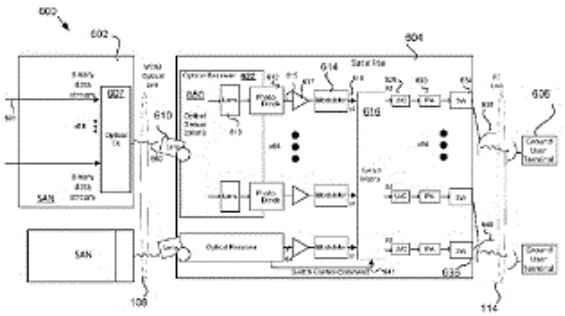


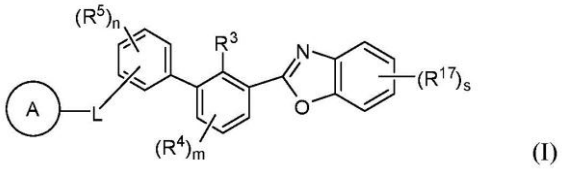
Fig. 1

21: 2022/06485. 22: 2022/06/10. 43: 2024/08/08
51: A61K; C07D; A61P
71: INXMED (NANJING) CO., LTD.
72: WANG, ZAIQI, ZHANG, JIANGWEI, JIANG, JUN, ZHANG, BAOYUAN
33: CN 31: 202011287049.1 32: 2020-11-17
33: CN 31: 201911191139.8 32: 2019-11-28
54: USE OF BI853520 IN CANCER TREATMENT
00: -
The present invention relates to a method for treating a tumor with a KRAS mutation. In the method, a compound 2-fluoro-5-methoxy-4-[(4-(2-methyl-3-oxo-2,3-dihydro-1H-isoindole-4-oxyl)-5-trifluoromethyl-pyrimidine-2-yl)amino]-N-(1-methyl-piperidine-4-yl)benzamide or a pharmaceutically acceptable salt thereof is used, which can be administered alone or in combination with a KRAS inhibitor and/or an MEK inhibitor.

21: 2022/06520. 22: 2022/06/13. 43: 2024/08/01
51: H04B
71: VIASAT, INC.
72: MENDELSOHN, AARON
33: US 31: 62/273,730 32: 2015-12-31
54: BROADBAND SATELLITE COMMUNICATION SYSTEM USING OPTICAL FEEDER LINKS
00: -
Broadband satellite communications systems using optical feeder links are disclosed. Various optical modulation schemes are disclosed that can provide improved capacity for fixed spot beam, on board beamforming, and ground-based beamforming broadband satellite systems.



21: 2022/06806. 22: 2022/06/20. 43: 2024/08/08
51: A61K; A61P; C07D
71: Incyte Corporation
72: WU, Liangxing, LI, Jingwei, QI, Chao, ZHANG, Fenglei, LI, Zhenwu, ZHU, Wenyu, YU, Zhiyong, XIAO, Kaijiong, LU, Liang, MEI, Song, QIAN, Ding-Quan, HE, Chunhong, YE, Yingda, XU, Meizhong, YAO, Wenqing
33: US 31: 62/438,009 32: 2016-12-22
54: BENZOOXAZOLE DERIVATIVES AS IMMUNOMODULATORS
00: -
Disclosed are compounds of Formula (I), methods of using the compounds as immunomodulators, and pharmaceutical compositions comprising such compounds. The compounds are useful in treating, preventing or ameliorating diseases or disorders such as cancer or infections.

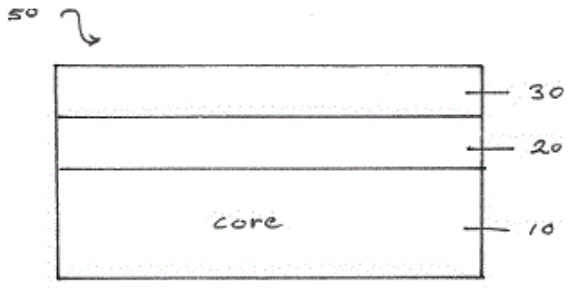


(I)

21: 2022/06807. 22: 2022/06/20. 43: 2024/08/08
51: A61K; A61P; C12Q; G01N
71: Diamyd Medical AB
72: ESSEN-MÖLLER, Anders
33: SE 31: 1751094-2 32: 2017-09-08
54: GENOTYPE STRATIFICATION IN DIABETES TREATMENT AND PREVENTION
00: -
The present invention relates to a method for treatment or prevention of an autoimmune disease in a patient, comprising: (a) Determining the HLA genotype of the patient;and (b) Subjecting the patient to a treatment regimen based on said genotype.

21: 2022/06822. 22: 2022/06/20. 43: 2024/08/23
51: D21B; D21C
71: Infinited Fiber Company Oy
72: HARLIN, Ali, SIREN, Sakari, MÄKELÄ, Jani
33: FI 31: 20205250 32: 2020-03-09
54: SEPARATION OF POLYCOTTON BLENDS
00: -
According to an example aspect of the present invention, there is provided a method of separating cellulosic fibres and non-cellulosic fibres from a mixed fibre textile material comprising cellulosic and non-cellulosic fibres. The method comprises mechanically disintegrating the textile material to open textile structures in the material, contacting the mechanically opened structures with an acid in a first chemical step, and contacting the mechanically opened structures with an alkaline in a second chemical step.

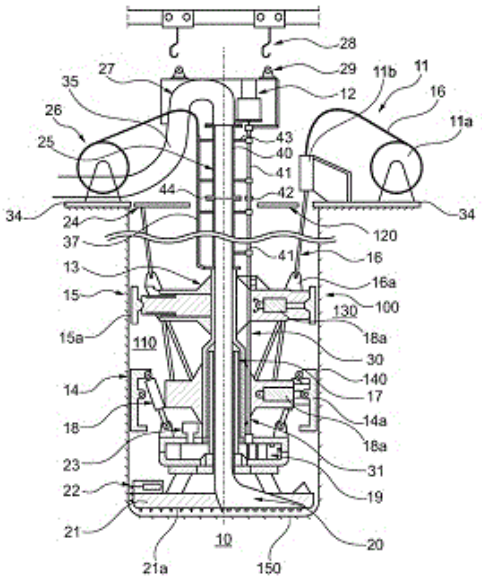
21: 2022/06827. 22: 2022/06/20. 43: 2024/08/01
51: B23K; B32B; C22C
71: NOVELIS KOBLENZ GMBH
72: JACOBY, BERND, RITZ, FABIAN, KIRKHAM, STEVEN
33: EP 31: 19216043.0 32: 2019-12-13
54: MULTI-LAYERED ALUMINUM BRAZING SHEET MATERIAL
00: -
The invention relates to a multi-layered brazing sheet material comprising of an aluminum core alloy layer provided with a first brazing clad layer material on one or both sides of the aluminum core layer and at least one second brazing clad layer material positioned between the aluminum core alloy layer and the first brazing clad layer material.



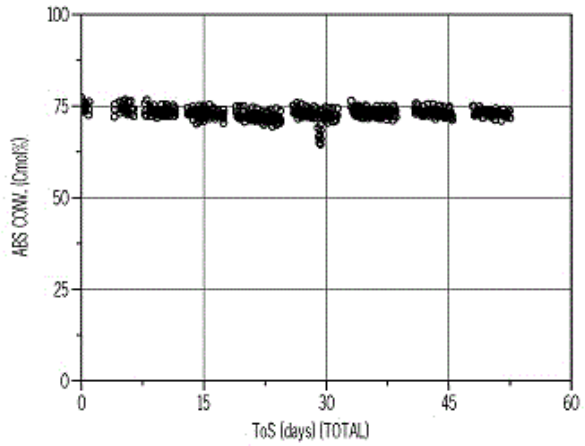
21: 2022/06876. 22: 2022/06/21. 43: 2024/08/08
51: B01J; C07C
71: AVANTIUM KNOWLEDGE CENTRE B.V.
72: ANSOVINI, Davide, CLAASSENS-DEKKER, Paula, SINGH, Jagdeep

33: EP 31: 20157699.8 32: 2020-02-17
54: PROCESS FOR PREPARING ALKYLENE GLYCOL MIXTURE FROM A CARBOHYDRATE SOURCE WITH INCREASED SELECTIVITY FOR GLYCEROL
00: -
The invention relates to a process for preparing a mixture of alkylene glycols (e.g. ethylene glycol and/or propylene glycol) from a carbohydrate source by catalytic conversion with hydrogen. More specifically, the catalytic hydrogenolysis process of the invention has an increased selectivity for glycerol, next to producing considerable amounts of ethyelene glycol and propylene glycol. This is achieved by ensuring the carbohydrate feed is rich in sucrose.

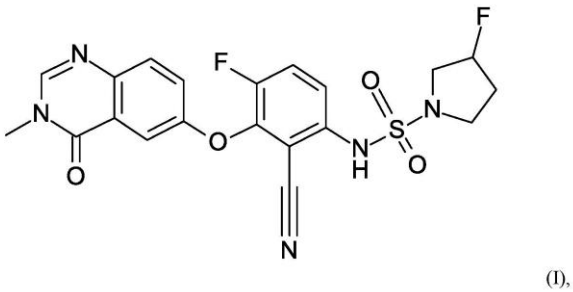
21: 2022/06896. 22: 2022/06/21. 43: 2024/08/01
51: E21D
71: HERRENKNECHT AG
72: RENNKAMP, PATRICK, SCHWAB, TILMANN, FEIßT, ALBERT
33: DE 31: 10 2019 133 088.2 32: 2019-12-04
54: DEVICE FOR SINKING A VERTICAL BOREHOLE
00: -
The invention relates to a device for sinking a vertical borehole, more particularly a shaft, an extraction borehole in a deposit body, or a foundation borehole in the ground, with at least one excavating tool for excavating material from the bottom of the borehole, with an at least one conveyance means arranged in the active region of the at least one excavating tool for conveying away from the borehole material excavated from the bottom, with a machine frame on which at least two bracing elements are arranged for locking the device in the borehole during boring, with at least one means for vertically raising and lowering the boring device in the borehole and with at least one drive for rotating the excavation tool.



21: 2022/06900. 22: 2022/06/21. 43: 2024/08/05
51: C07C; B01J
71: DOW GLOBAL TECHNOLOGIES LLC
72: DEWILDE, JOSEPH F, CHOJECKI, ADAM, KIRILIN, ALEXEY, TOCHA-BIELAK, EWA A, YANCEY, DAVID F, POLLEFEYT, GLENN, NIESKENS, DAVY L.S, MALEK, ANDRZEJ
33: US 31: 62/950,548 32: 2019-12-19
54: PROCESSES FOR EFFICIENT AND SUSTAINED PRODUCTION OF C2 TO C4 OLEFINS
00: -
A process for preparing C2 to C4 olefins includes introducing a feed stream of hydrogen gas and a carbon-containing gas into a reaction zone of a reactor and converting the feed stream into a product stream including C2 to C4 olefins in the reaction zone in the presence of a hybrid catalyst and in a non-oxidative atmosphere. The hybrid catalyst includes a metal oxide catalyst component comprising gallium oxide and zirconia, and a microporous catalyst component having an 8 membered ring structure. The process also includes periodically introducing an oxidative atmosphere into the reaction zone.

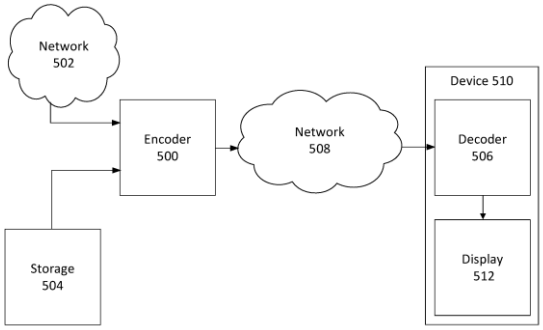


21: 2022/06923. 22: 2022/06/22. 43: 2024/08/08
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: DOLENTE, Cosimo, HEWINGS, David Stephen, HUNZIKER, Daniel, KRUMMENACHER, Daniela, PETTAZZONI, Piergiorgio Francesco Tommaso, WICHMANN, Juergen
33: EP(CH) 31: 19214941.7 32: 2019-12-10
54: NEW METHYLQUINAZOLINONE DERIVATIVES
00: -
The invention provides a novel compound having the general formula (I) (I), or a pharmaceutically acceptable salt thereof. The compound of formula (I) can be used as a medicament.

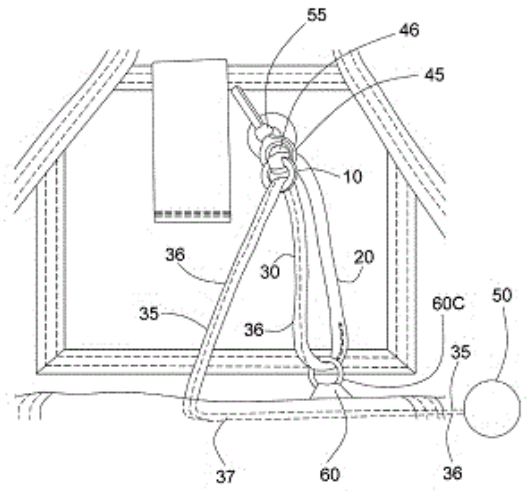


(I),

21: 2022/06940. 22: 2022/06/22. 43: 2024/09/26
51: H04N
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: SJÖBERG, Rickard, DAMGHANIAN, Mitra, PETTERSSON, Martin
33: US 31: 62/959,123 32: 2020-01-09
54: PICTURE HEADER PRESENCE
00: -
A method for decoding a picture from a bitstream. In one embodiment, The method includes: receiving a slice header for a slice of the picture, wherein the slice header comprises a state syntax element; decoding (805) a state value from the state syntax element in the slice header, wherein a) if the state value is not equal to a first value, then the state value indicates that i) the bitstream includes for the picture a picture header comprising a set of picture syntax elements and ii) the slice header does not comprise the set of picture syntax elements and b) if the state value is equal to the first value, then the state value indicates that i) the slice header contains said set of picture syntax elements and ii) the bitstream does not include a picture header for the picture; and using the set of picture syntax elements to decode the slice of the picture.



21: 2022/06945. 22: 2022/06/22. 43: 2024/08/01
51: B64D
71: UNINSURED UNITED PARACHUTE TECHNOLOGIES, LLC.
72: BOWEN, TY PHILIP
33: US 31: 62/947,730 32: 2019-12-13
54: PARACHUTE COMPOUND PULLEY RIPCORD PULL FORCE REDUCER AND METHODS FOR UTILIZING SAME
00: -
An apparatus and an article of manufacture providing a parachute ripcord pull force reducer device, method and system offering mechanical gain such that the pull force required to pull the main parachute closing pin is reduced. Further disclosed is a parachute container using the novel parachute ripcord pull force reducer, and methods for manufacturing and/or modifying a parachute to operate with various embodiments of the ripcord pull force reducer in accordance with the instant disclosure.



21: 2022/07063. 22: 2022/06/24. 43: 2024/08/08
51: A47J
71: Société des Produits Nestlé S.A.
72: TALON, Christian, VUAGNIAUX, Didier
33: EP(CH) 31: 19213419.5 32: 2019-12-04
54: BEVERAGE PREPARATION MACHINE
00: -

A beverage preparation machine comprises a fluid circulation system for a fluid substance, at least one container holder adapted for receiving a corresponding ingredient storage container and at least one fluid processing device which is part of the fluid circulation system. The fluid circulation system further comprises at least one fluid source, at least one fluid pump, at least one fluid heating element and at least one fluid circulation conduit. The fluid processing device comprises a fluid processing body comprising in turn at least one inlet means for introducing the fluid substance into the container for the preparation of a beverage product by mixing of the fluid substance with an ingredient contained in the container. The fluid processing body further comprises at least one outlet means for dispensing the beverage product from the container. At least one movement means is provided for separately moving the fluid processing device and the container relatively one to another between a fluid introduction position and a beverage dispensing position. In the fluid introduction position the fluid processing body protrudes inside the internal volume of the container for introducing therein the fluid substance. In the beverage dispensing position the fluid processing body is at least partially withdrawn from the internal volume of the container to allow dispensing of the beverage product from the container through the outlet means. Preferably, the fluid processing body is a needle-shaped fluid processing body comprising at least one end portion configured for perforating, piercing and/or tearing a specific portion or wall of the container before the introduction of the fluid substance into the container.

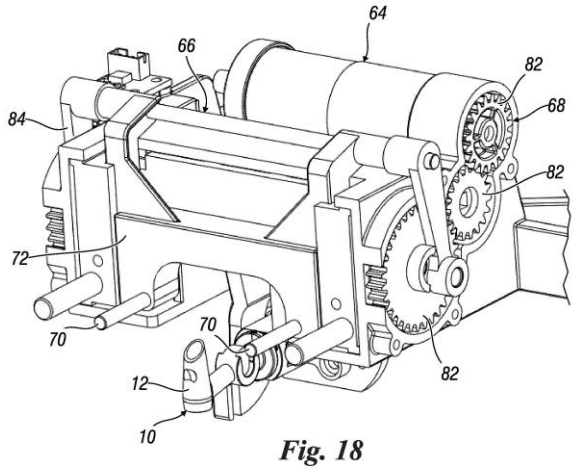
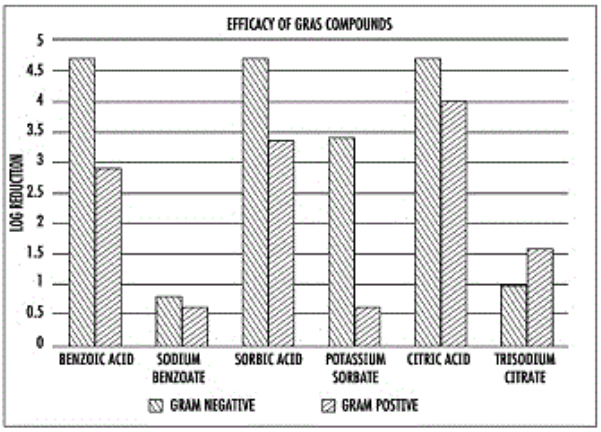


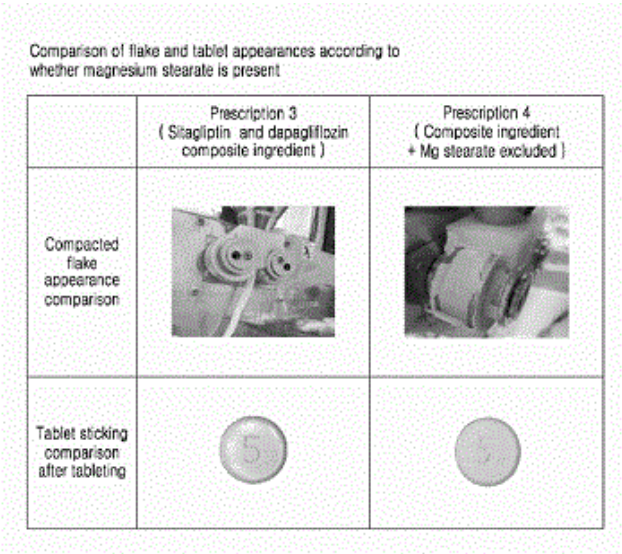
Fig. 18

21: 2022/07271. 22: 2022/06/30. 43: 2024/08/01
51: A01N; A23L; C07C
71: MICROBAN PRODUCTS COMPANY
72: WHELESS, KENNETH CLAY, SLOAN, GINA PARISE, NELSON, BURKE IRVING
33: US 31: 17/128,849 32: 2020-12-21
33: US 31: 62/955,155 32: 2019-12-30
33: US 31: 62/955,161 32: 2019-12-30
54: ODOR REDUCTION AND BACTERIAL CONTROL ON A TEXTILE MATERIAL
00: -

A composition for odor reduction and bacterial control on a textile material is provided. The composition has a GRAS antimicrobial/preservative additive. The composition may contain an essential oil. The GRAS antimicrobial/preservative additive can be a minimum risk pesticide. The composition may have a carrier. A method of using the composition and an article treated with the composition are also provided.

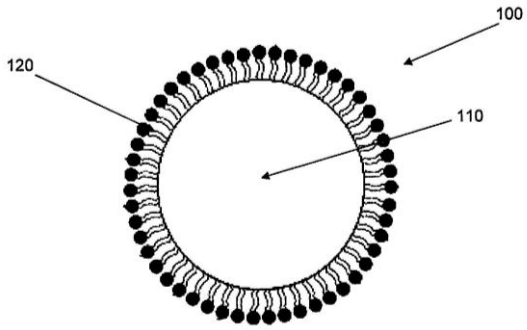


21: 2022/07600. 22: 2022/07/08. 43: 2024/08/07
51: A61K; A61P
71: HANMI PHARM. CO., LTD.
72: CHANG, SEUNG HUN, LEE, KWANG YOUNG, KIM, JAE HO, CHO, JUNG HYUN, KIM, YONG IL
33: KR 31: 10-2019-0174277 32: 2019-12-24
33: KR 31: 10-2020-0038569 32: 2020-03-30
54: COMPLEX FORMULATION COMPRISING SITAGLIPTIN AND DAPAGLIFLOZIN, AND PREPARATION METHOD THEREFOR
00: -
Provided are a complex formulation comprising sitagliptin and dapagliflozin, and a preparation method therefor.



21: 2022/07676. 22: 2022/07/11. 43: 2024/08/23
51: C07C; C08J; C08L
71: Novoloop, Inc.
72: MUPPANENI, Tapaswy, PRATT, Russell, LE ROY, Jennifer
33: US 31: 62/946,837 32: 2019-12-11
54: COMPOSITIONS AND METHODS FOR THE DEGRADATION OF WASTE POLYPROPYLENE
00: -
Disclosed are methods for polypropylene decomposition. Also disclosed are products obtained from the decomposition polypropylene including carboxylic acids, dicarboxylic acids, nitro-substituted carboxylic acids and dicarboxylic acids; as well as the salts, esters, and anhydrides thereof.

21: 2022/07706. 22: 2022/07/12. 43: 2024/08/08
51: A61K; A61Q
71: Nanophase Technologies Corporation
72: SARKAS, Harry W., BOFFA, Christopher C., CURETON, Kevin
33: US 31: 16/570,944 32: 2019-09-13
54: LIPOPHILLICALLY DISPERSED PHENOLIC POLYMER PARTICLES
00: -
A composition comprises phenolic polymer particles and a surfactant, on the phenolic polymer particles. The composition is lipophilic. A dispersion comprises the phenolic polymer particles, the surfactant, and a carrier vehicle. The carrier vehicle may be a cosmetically-acceptable fluid or a wax that is lipophilic.



21: 2022/07813. 22: 2022/07/13. 43: 2024/08/07
51: F41G; G02B
71: John Cockerill Defense SA
72: VERHEYLEWEGEN, Guillaume, CLERMONT, Bernard
33: EP(BE) 31: 19216845.8 32: 2019-12-17
54: INTELLIGENT SYSTEM FOR CONTROLLING FUNCTIONS IN A COMBAT VEHICLE TURRET
00: -
Disclosed is a control system (2) for turret functions of a land combat vehicle (4), the control system (2) comprising a control unit (10) capable of calculating an augmented view (50) based on at least the

images and the headset position and orientation data (6), the augmented view (50) being displayed to the operator (8) via the headset (6); characterised in that:- the control unit (10) is capable of determining parameters of a target selected by the operator (8) at least on the basis of ocular data, the control unit (10) is configured to calculate at least one firing parameter and the control unit (10) is capable of transmitting the at least one firing parameter to a turret weapon controller (40); - the control system (2) comprises at least one firing request detector (20) configured to provide a firing request signal by the operator (8).

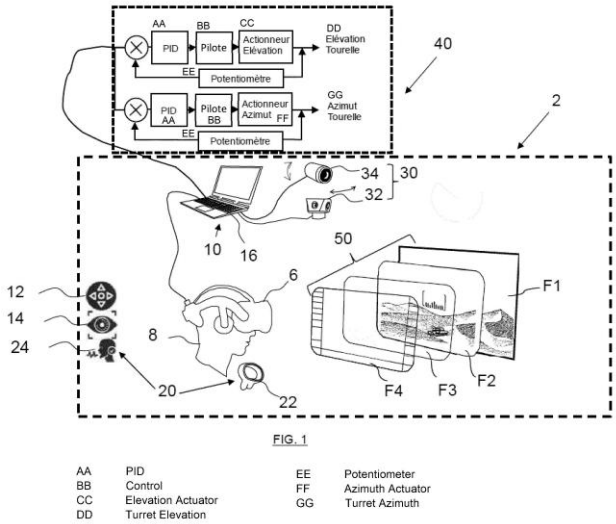


FIG. 1

AA	PID	EE	Potentiometer
BB	Control	FF	Azimuth Actuator
CC	Elevation Actuator	GG	Turret Azimuth
DD	Turret Elevation		

21: 2022/08157. 22: 2022/07/21. 43: 2024/08/07
51: B01D; C02F
71: Pall Corporation
72: KATHAN, Kyle R.
33: US 31: 17/383,204 32: 2021-07-22
54: FILTER WITH ELECTRICALLY-CONDUCTIVE WRAP
00: -
A filter for filtering particulates from a fluid stream includes a filter element, a first end cap, a second end cap, and a wrap. The end caps are respectively secured to the ends of the filter element to form a fluid tight seal therebetween. At least one of the end caps defines an opening therethrough in fluid communication with the interior passage of the filter element. The wrap is in the form of a strip secured to at least the filter element. The wrap comprises a conductive layer comprising an electrically-conductive material. The wrap is wrapped around the filter element such that at least forty percent of the outer surface area is covered by the conductive layer.

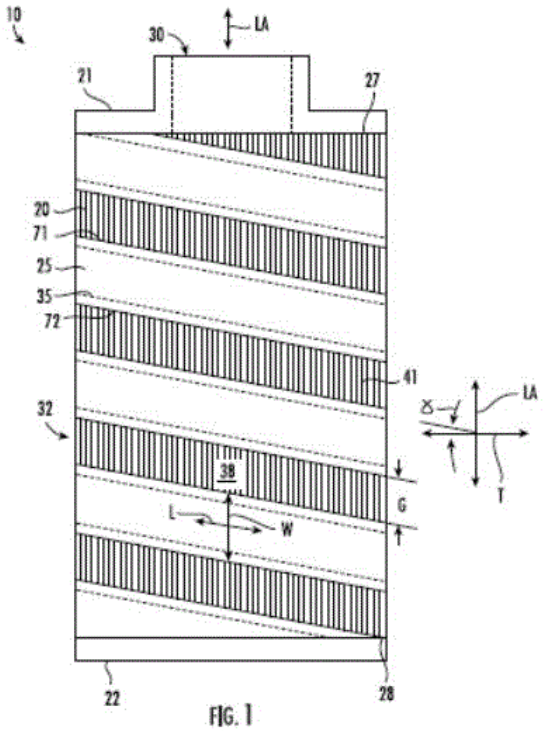
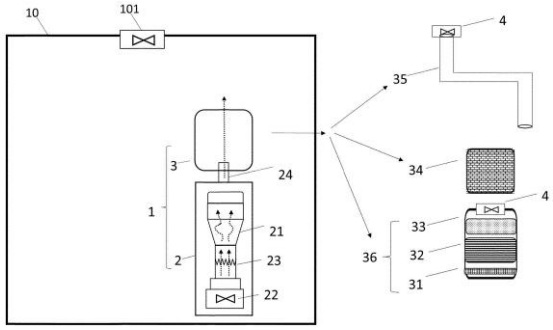


FIG. 1

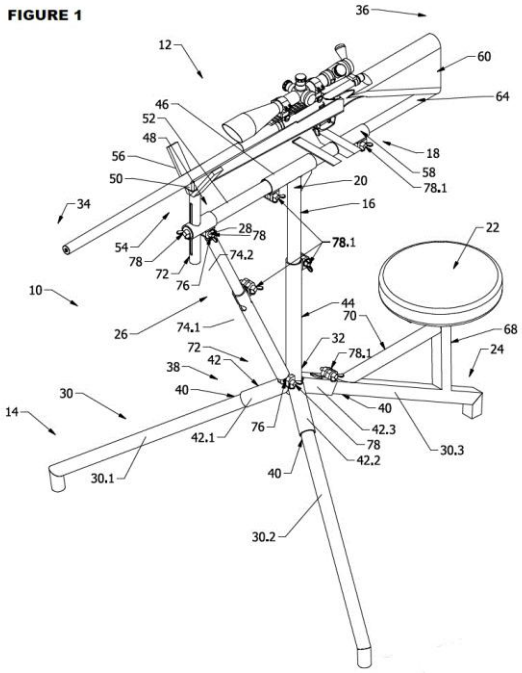
21: 2022/08175. 22: 2022/07/21. 43: 2024/08/07
51: A23F; A23N; B01D
71: Société des Produits Nestlé S.A.
72: DUBIEF, Flavien Florent, CECCAROLI, Stefano, MOREND, Joël, DEGREEF, Thomas Rudi S., VAN DYCK, Ben, GRIETENS, Jochem David
33: EP(CH) 31: 19220244.8 32: 2019-12-31
54: METHOD TO SELECT THE SMOKE TREATING UNIT OF A ROASTING APPARATUS
00: -
The invention concerns a method to select the smoke treating unit (3) of a system (1) of a roasting apparatus (2) and an associated smoke treating unit when said system is used in a room (10), said method comprising : - receiving room data input, - receiving roasting use data input in order to determine the quantity of each contaminant produced by the roasting apparatus during a period, - for each system of the roasting apparatus and of one smoke treating units, calculating the concentration of each contaminant present in the room during said period, - for each system and for each contaminant, comparing the calculated concentration of said contaminant present in the room during the period with the concentration of said

contaminant authorised according to local health and safety regulations, - selecting the smoke treating unit of the system in the list of smoke treating units providing for each contaminant a calculated concentration inferior to the authorised concentration.



21: 2022/08307. 22: 2022/07/26. 43: 2024/08/26
51: A01M
71: NELL, Johannes
72: NELL, Johannes
33: ZA 31: 2021/02764 32: 2021-04-26
54: A STABILISING ASSEMBLY
00: -
The stabilising assembly includes a base 14, an elongate member 16 extending from the base 14, a support arrangement 18 mounted on a free end region 20 of the elongate member 16 for supporting the gun 12 thereon in an operative condition, a seat 22 mounted on the base 14 for allowing a user (not shown) to sit thereon and aim the supported gun 12, the seat 22 being located generally inwardly an outer region 24 of the base 14, and a stabilising member 26 extending between and interconnecting an end region 28 of the support arrangement 18 and the base 14 for stabilising the support arrangement 18, and with it, the gun 12 while being aimed by the user (not shown) so as to facilitate retention of the gun 12 in an aimed condition.

FIGURE 1

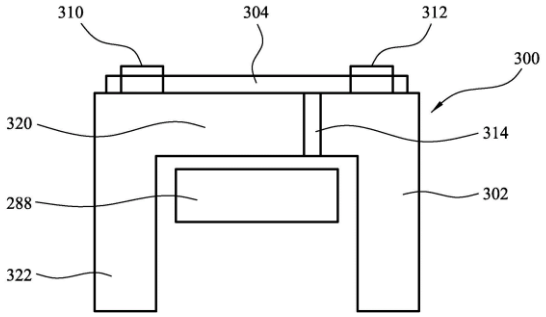


21: 2022/08423. 22: 2022/07/27. 43: 2024/08/08
51: B02C
71: Obshchestvo s ogranichennoy otvetstvennost'u "Tekhnologiya neorganicheskikh materialov"
72: ANANYEV, Pavel Petrovich, ADAMYAN, Eduard Vladimirovich, MESCHERYAKOV, Roman Valerevich, BELYAKOV, Konstantin Olegovich, PLOTNIKOVA, Anna Valerievna
33: RU 31: 2019144390 32: 2019-12-27
54: METHOD FOR ELECTROMAGNETIC PRE-TREATMENT OF ORE AND DEVICE FOR IMPLEMENTING SAME
00: -
The invention relates to a method and a device for electromagnetic pre-treatment of ore intended for noble metal ores prior to grinding and can be used in pre-treatment of ore prior to the extraction of the useful component by ore processing methods. The treatment by means of a pulsed magnetic field is carried out in a device for softening materials with a crystalline structure, the device comprising a main and an auxiliary inductor, and a protective shell which separates the inner surface of the electromagnetic system from the material processing zone and which additionally contains a low-current inductor system that is in inductive connection with the main and the auxiliary inductor and is connected to a measuring member forming part of the device assembly. The inventions increase the output of grinding equipment and the extraction of the useful

component by reducing the structural strength of the layer adjacent to the interface between the ore phase and the non-ore phase, thus allowing the selective disintegration of the material during the subsequent mechanical grinding of the ore material, and reducing the probability of disintegration of the ore phase and the non-ore phase.

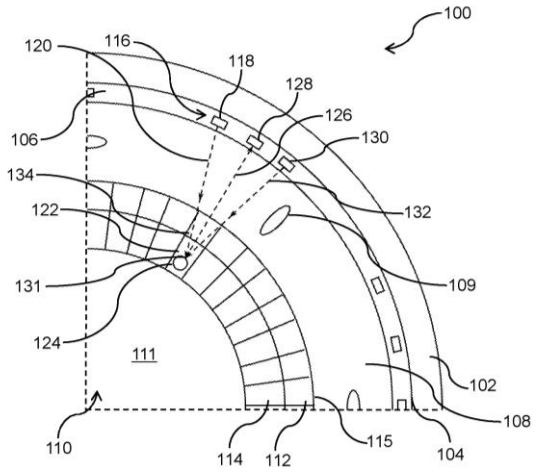
21: 2022/08457. 22: 2022/07/28. 43: 2024/09/12
51: A24F; H05B
71: PHILIP MORRIS PRODUCTS S.A.
72: TAURINO, Irene, ZINOVIK, Ihar, Nikolaevich
33: EP 31: 20154181.0 32: 2020-01-28
54: A CARTRIDGE FOR USE IN AN AEROSOL-GENERATING SYSTEM AND AN AEROSOL-GENERATING SYSTEM COMPRISING SAID CARTRIDGE
00: -

A cartridge for use in an aerosol-generating system is provided. The cartridge comprises a porous ceramic body (302) having a porosity of between 30% and 65%. The cartridge also comprises a mesh heater (304) engaged with the porous ceramic body, the mesh heater including a plurality of apertures, each aperture having a dimension between 50 microns and 200 microns. T he mesh heater is a hybrid mesh heater comprising a network of wires and fibres, the fibres having a different material composition to the wires. An aerosol generating system comprising said cartridge is also provided.

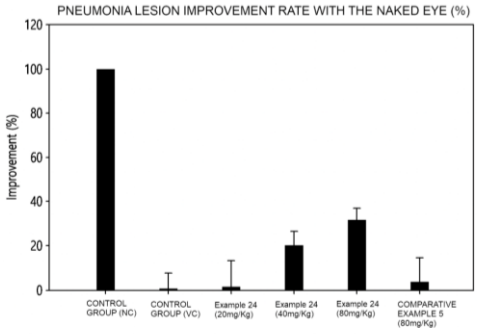


21: 2022/08702. 22: 2022/08/03. 43: 2024/09/11
51: A63F
71: TCS JOHN HUXLEY EUROPE LIMITED
72: FRENCH, Nicholas Richard Baker
33: GB 31: 2001493.2 32: 2020-02-04
54: ROULETTE WHEEL READING APPARATUS
00: -

A roulette wheel reading apparatus is provided for triangulating a roulette ball position in a pocket of a roulette wheel. The apparatus comprises: a triangulation sensor, a roulette wheel position sensor, and a processor; wherein the triangulation sensor comprises: a first signal emitter arranged to emit a first signal toward a location within a pocket of a roulette wheel comprising a plurality of roulette wheel pockets; and a second signal emitter arranged to emit a second signal toward the location; wherein the triangulation sensor further comprises: a signal receiver positioned to receive a first reflection of the first signal at a first receipt time and arranged to output the first receipt time, the signal receiver being further positioned to receive a second reflection of the second signal at a second receipt time and arranged to output the second receipt time; wherein the first reflection and the second reflection originate from said roulette ball; the roulette wheel position sensor being arranged to detect and output a position of one or more of the plurality of roulette wheel pockets relative to the location; the processor being arranged to: receive the first receipt time, the second receipt time and the position; calculate a time difference between the first receipt time and the second receipt time; identify that the time difference is within a predetermined time difference threshold; identify, using the position, the pocket of the roulette wheel; and output the pocket of the roulette wheel as a roulette result. The apparatus of the present invention aims to accurately and reliably identify cessation of a roulette ball in a roulette wheel pocket for the purpose of informing the reporting of a winning roulette result.

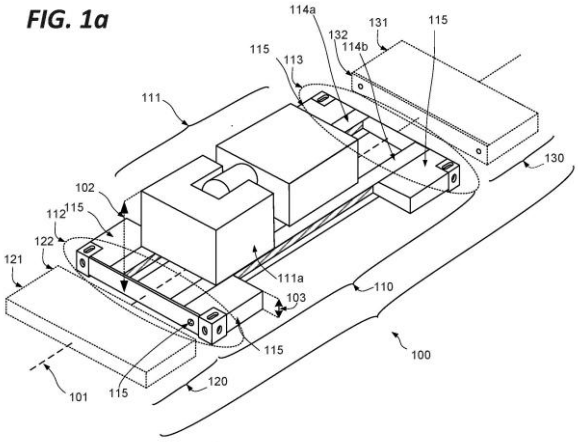


21: 2022/08942. 22: 2022/08/10. 43: 2024/08/22
51: A61K; A61P
71: WEBIOTREE CO., LTD, CNPHARM CO., LTD
72: KIM, Ho Jun, KIM, Ki Yeok, JIN, Geun Woo
33: US 31: 63/084,423 32: 2020-09-28
33: US 31: 63/085,605 32: 2020-09-30
33: US 31: 63/125,122 32: 2020-12-14
33: US 31: 63/126,717 32: 2020-12-17
33: US 31: 63/157,181 32: 2021-03-05
33: KR 31: PCT/KR2021/005208 32: 2021-04-23
33: US 31: 63/150,235 32: 2021-02-17
33: US 31: 63/153,206 32: 2021-02-24
54: METAL (HYDR)OXIDE COMPOSITE COMPRISING POORLY SOLUBLE DRUG, METHOD FOR MANUFACTURING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
00: -
The present invention relates to a metal (hydr)oxide composite comprising a poorly soluble drug, a method for manufacturing same, and a pharmaceutical composition comprising same.



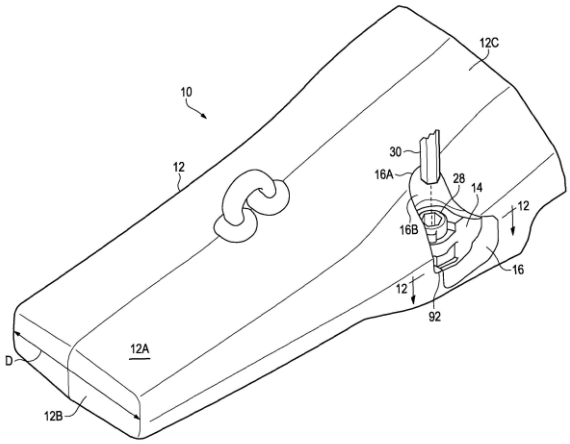
21: 2022/08954. 22: 2022/08/10. 43: 2024/08/08
51: B65D; G01S
71: Thales Nederland B.V.
72: HOGEMAN, Edwin Leonardus Josephus, KAPPEL, Eric André
54: RADAR SYSTEM
00: -
A radar system is provided based on a core module comprising a radar transducer based on a long, flat platform, provided with coupling elements at each end, which may comprise ISO standard compatible corner fittings as used in freight containers. Accessory modules may be connected to the core module by means of these coupling elements at each end. Accessory modules may provide power, communications, cooling or other support functions as required. The coupling achieved between the core module and accessory modules may be reinforced with side brackets, and may be sufficiently strong that the weight of the complete assembly may be supported by the core module, or by the accessory modules. The combined length of the core module and accessory modules may be selected to correspond essentially to the length of a standard freight container, and the length of the core module alone may be selected to correspond to the flat bed of a standard medium truck.

FIG. 1a



21: 2022/09044. 22: 2022/08/12. 43: 2024/08/08
51: E02F
71: ESCO Group LLC
72: JOHNSTON, Christopher A., CONKLIN, Donald M., ROSKA, Michael B., ROSSI, William D., STANGELAND, Kevin S.
33: US 31: 61/563,448 32: 2011-11-23
54: WEAR ASSEMBLY
00: -

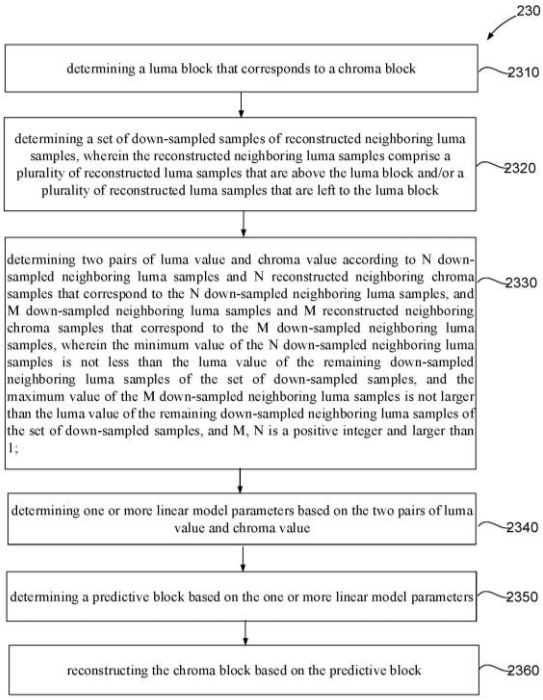
Wear members for wear assemblies include a lock configured to secure the wear member to a base, where the lock has two engagement positions, namely: (a) a first position that secures the lock to the wear member, and (b) a second position that secures the wear member to the base. The locks are further configured to be unlatched and removed from the wear member in two phases, a first retraction of the latching mechanism, followed by a rotation of the lock itself with removal from the wear member.



21: 2022/09112. 22: 2022/08/15. 43: 2024/09/25
51: C12N
71: IONIS PHARMACEUTICALS, INC.
72: BENNETT, C., Frank, NORRIS, Daniel, A., SMITH, Anne, V., LANE, Roger
33: US 31: 62/980,010 32: 2020-02-21
54: METHODS FOR REDUCING HTT EXPRESSION
00: -
Provided herein are methods of administering ISIS 443139 for ameliorating Huntington's disease, reducing HTT RNA, reducing mHTT RNA, reducing HTT protein, or reducing mHTT protein in a human subject in need thereof. In certain instances, methods are useful for ameliorating at least one symptom of Huntington's disease. Such symptoms of Huntington's disease include, but are not limited to, brain atrophy, muscle atrophy, nerve degeneration, uncontrolled movement, difficulty swallowing, difficulty speaking, anxiety and depression.

21: 2022/09119. 22: 2022/08/15. 43: 2024/08/08
51: A61K; A61P; C07K
71: Eli Lilly and Company
72: ALLAN, Barrett, BOYLES, Jeffrey Streetman, BUDELSKY, Alison Lee Sim, NA, Songqing, RUBTSOVA, Kira Vladimirovna, ZHANG, Guifeng
33: US 31: 62/983,093 32: 2020-02-28
54: ANTI-HUMAN CD19 ANTIBODIES
00: -
The present disclosure relates to antibodies that bind human CD19 (anti-human CD19 antibodies or anti-human CD19 antibodies), compositions comprising such anti-human CD19 antibodies, and methods of using such anti-human CD19 antibodies.

21: 2022/09225. 22: 2022/08/17. 43: 2024/08/05
51: H04N
71: Huawei Technologies Co., Ltd.
72: MA, Xiang, ZHAO, Yin, YANG, Haitao, CHEN, Jianle
33: US 31: 62/698,924 32: 2018-07-16
54: VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING ENCODING AND DECODING METHODS
00: -
Techniques are described of linear model prediction mode. Two pairs of luma value and chroma value are determined according to N reconstructed neighboring luma samples and N reconstructed neighboring chroma samples that correspond to the N reconstructed neighboring luma samples, and M reconstructed neighboring luma samples and M reconstructed neighboring chroma samples that correspond to the M reconstructed neighboring luma samples. The minimum value of the N reconstructed neighboring luma samples is not less than the luma value of the remaining reconstructed neighboring luma samples of the set of reconstructed neighboring luma samples. The maximum value of the M reconstructed neighboring luma samples is not larger than the luma value of the remaining reconstructed neighboring luma samples of the set of reconstructed neighboring luma samples. M, N are positive integers and are larger than 1. One or more linear model parameters are determined based on the two pairs of luma value and chroma value, and a predictive block is determined based on the one or more linear model parameters.

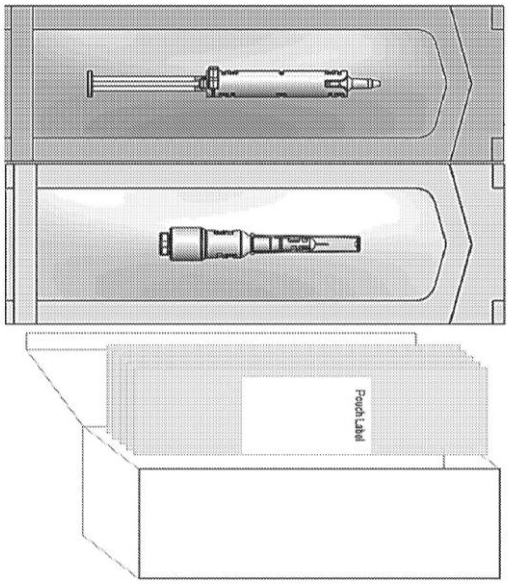


21: 2022/09352. 22: 2022/08/19. 43: 2024/08/08
51: A61K
71: Ocular Therapeutix, Inc.
72: BLIZZARD, Charles D., DRISCOLL, Arthur, EL-HAYEK, Rami, GOLDSTEIN, Michael, IACONA, Joseph, JARRETT, Peter, JARRETT, Timothy S., KAHN, Erica, LATTRELL, Zachary
33: US 31: 62/994,391 32: 2020-03-25

54: OCULAR IMPLANT CONTAINING A TYROSINE KINASE INHIBITOR

00: -

The invention relates to a sustained release biodegradable ocular implant containing a tyrosine kinase inhibitor dispersed in a hydrogel for the treatment of a retinal disease for an extended period of time.

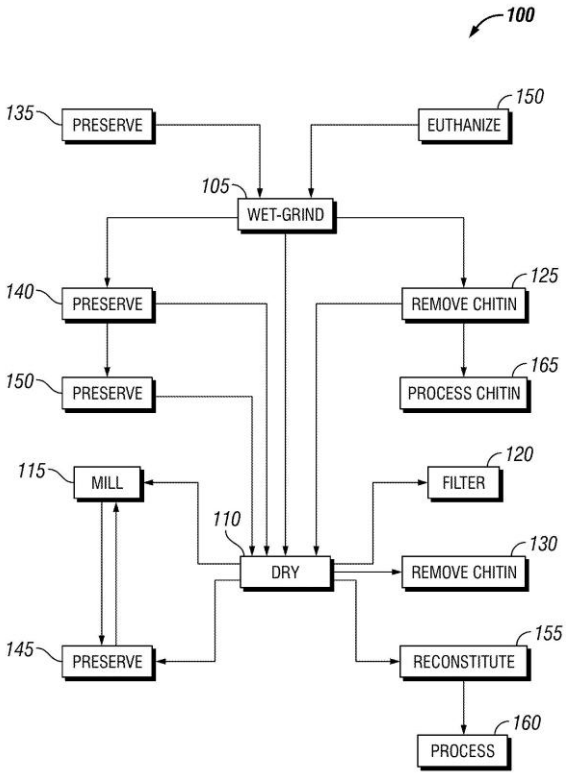


21: 2022/09414. 22: 2022/08/23. 43: 2024/08/08
51: A23K; A23L
71: DOSSEY, Aaron T.
72: DOSSEY, Aaron T.
33: US 31: 61/902,346 32: 2013-11-11

54: INSECT PRODUCTS AND METHODS OF MANUFACTURE AND USE THEREOF

00: -

Methods for producing insect product are provided that include wet-grinding at least one whole insect into an insect slurry and drying the insect slurry to form a dried insect product comprising solid insect matter particles. Methods for producing a chitin product are also provided that include wet-grinding at least one whole insect into an insect slurry and removing chitin from at least a portion of the insect slurry. Insect products are also provided that include a composition derived from at least one whole insect and has solid insect matter particles, in which the composition has a peroxide value of about 30 meq/kg of fat or less and about 90% of the solid insect matter particles, by volume, has a particle size of about 1000 µm or less.



21: 2022/09515. 22: 2022/08/25. 43: 2024/08/07
51: G06K
71: Identy Inc.
72: GUPTA, Hardik, MURUGAN, Satheesh, ARAGON, Jesus
33: EP(GB) 31: 19382137.8 32: 2019-02-26
54: METHOD FOR VERIFYING THE IDENTITY OF A USER BY IDENTIFYING AN OBJECT WITHIN AN IMAGE THAT HAS A BIOMETRIC CHARACTERISTIC OF THE USER AND SEPARATING A PORTION OF THE IMAGE COMPRISING THE BIOMETRIC CHARACTERISTIC FROM OTHER PORTIONS OF THE IMAGE
00: -
A method for identifying a user using an image of an object of the user that has a biometric characteristic of the user, like a fingerprint or a set of fingerprints of fingertips, the method comprising: obtaining, by an optical sensor of a mobile device, the image of the object; providing the image or a part of the image to a neural network; processing the image or the part of the image by the neural network, comprising distinguishing, by the neural network, a portion of the image or the part of the image comprising the region of interest, ROI, from another portion of the image; extracting, from the image or the part of the image, the ROI; storing the portion comprising the ROI in a storage device and/or providing the portion comprising the ROI as input to an identification means, comprising extracting the biometric characteristic of the ROI and processing the extracted biometric characteristic in order to determine whether the extracted biometric characteristic identifies the user.

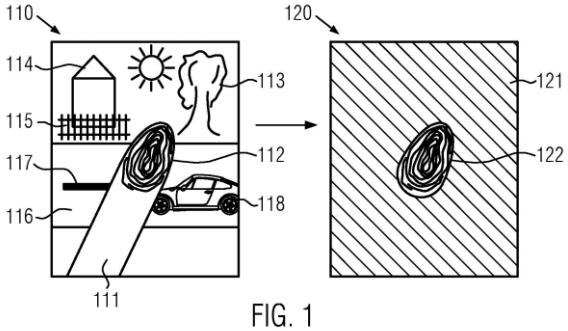
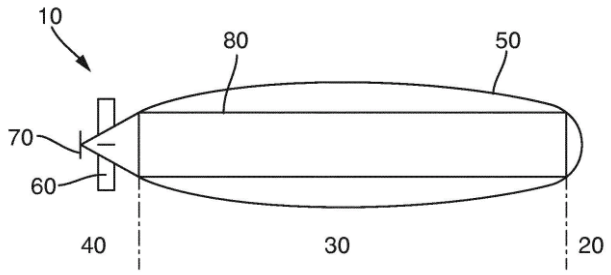


FIG. 1

21: 2022/09598. 22: 2022/08/29. 43: 2024/08/07
51: B63B; B63G
71: Thyssenkrupp Marine Systems GmbH, thyssenkrupp AG
72: AVSIC, Tom, TEPPNER, Randolf, MAHON, Daniel
33: DE 31: 10 2016 014 108.5 32: 2016-11-24
54: UNDERWATER CRAFT LESS LIKELY TO BE DETECTED ACROSS GREAT DISTANCES
00: -
The invention relates to an underwater craft (10) that is less likely to be detected and comprises an outer shell (50), a bow section (20), a stern section (40) and a midship section (30); the outer shell (50) of the midship section (30) has a polygonal cross-section when viewed transversely to the longitudinal direction of the underwater craft (10), and the outer shell (50) of the midship section (30) is curved along the longitudinal direction of the underwater craft (10).



21: 2022/10346. 22: 2022/09/19. 43: 2024/08/23

51: H04N
71: Huawei Technologies Co., Ltd., University of Science and Technology of China
72: LV, Zhuoyi, LI, Li, LI, Houqiang, YANG, Haitao
33: CN 31: 201510543542.8 32: 2015-08-29

54: IMAGE PREDICTION METHOD AND DEVICE

00: -

An image prediction method and device are disclosed. The method includes: obtaining a first reference unit of an image unit, where respective predicted images are obtained for the image unit and the first reference unit by using a same affine model; obtaining motion information of basic motion compensation units at two or more preset positions in the first reference unit; and obtaining motion information of a basic motion compensation unit of the image unit according to the motion information. In this way, motion information of the first reference unit using a same affine prediction model is reused, and a more accurate motion vector of a current image unit is obtained, improving prediction accuracy and maintaining encoding and decoding complexity, thereby improving encoding and decoding performance.

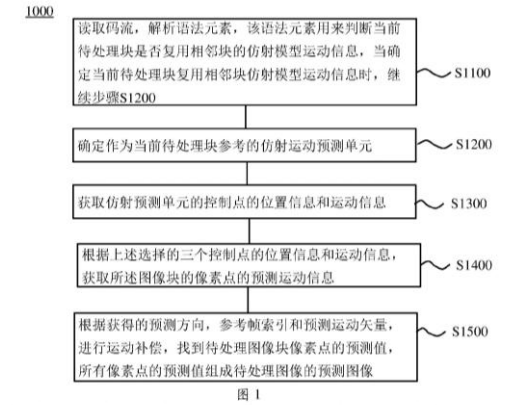


图 1

S1100 Reading a code stream and parsing a syntax element, wherein the syntax element is used for determining whether a current block to be processed multiplexes affine model motion information about a neighbouring block, and if it is determined that the current block to be processed multiplexes the affine model motion information about the neighbouring block, proceeding to step S1200

S1200 Determining an affine motion prediction unit as the reference of the current block to be processed

S1300 Acquiring position information and motion information about a control point of the affine motion prediction unit

S1400 According to position information and motion information about the above three selected control points, acquiring prediction motion information about pixels of the image block

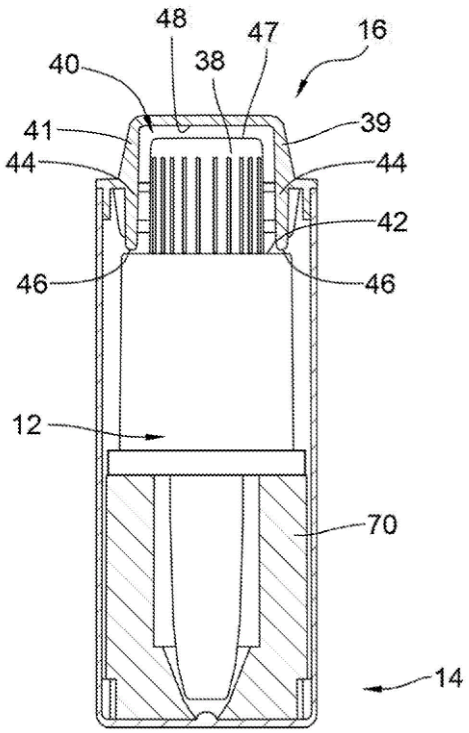
S1500 According to an acquired prediction direction, a reference frame index and a prediction motion vector, performing motion compensation, to find prediction values of pixels of the image block to be processed, wherein prediction values of all pixels form a prediction image of the image to be processed

21: 2022/10347. 22: 2022/09/19. 43: 2024/08/23
51: A61K; A61M; B05B; B65D; C07K; G09B
71: Eli Lilly and Company
72: ARNETT, Jaime Ray, SNOW, Andrew Thomas
33: US 31: 62/826,093 32: 2019-03-29

54: MEDICATION DELIVERY SYSTEMS AND METHODS

00: -

The present disclosure relates to a medication delivery system (10) including a medication administration device (12), a medication within the medication administration device (12), a container (14) defining a cavity (32) receiving the medication administration device (12), and a cap (16) attached to the container (14) and sealing the medication administration device (12) within the cavity (32). The medication administration device (12) includes an actuator (26) extending from a body (18) and operable to expel the medication by depressing the actuator (26) into the body (18). The cap (16) includes hold down members (44) positioned to bear against the body (18) of the medication administration device (12) to prevent movement of the medication administration device (12) toward the cap (16) beyond a predetermined distance. The medication administration device (12) is thereby prevented, *inter alia,* from prematurely discharging the medication during storage and transport.



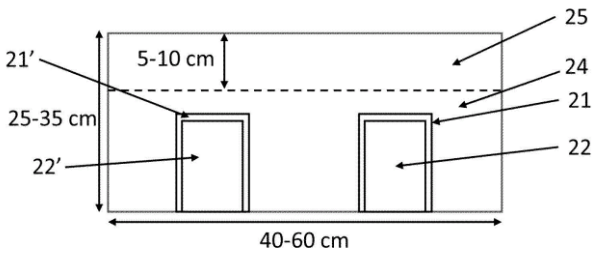
21: 2022/10534. 22: 2022/09/22. 43: 2024/08/07
51: C25C
71: Norsk Hydro ASA
72: BARDAL, Asgeir, SUNDHEIM JENSEN, Morten

54: CATHODE ASSEMBLY FOR A HALL-HEROULT CELL FOR ALUMINIUM PRODUCTION AND METHOD FOR MAKING SAME

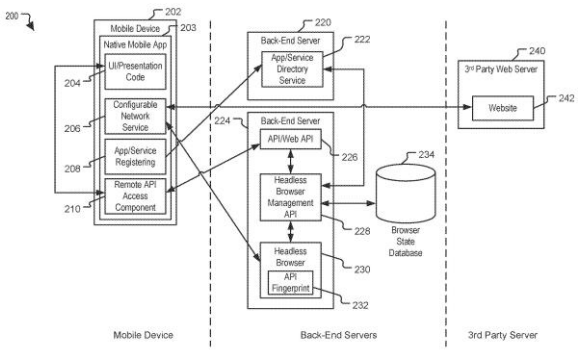
00: -

A cathode assembly for an electrolysis cell of Hall-Heroult type for producing aluminium, comprises a cathode block rodded or connected with steel collector bars, Cu rods or a metallic collector plate, the cathode block surface comprises partly of a wear

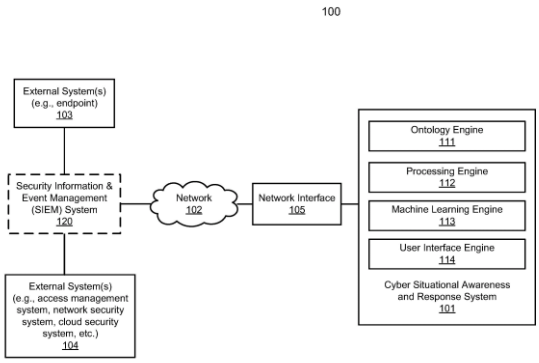
resistant composite material so the cathode block can be designed with a lower height, which may have many advantages. A method for producing the cathode assembly is described.



21: 2022/10582. 22: 2022/09/23. 43: 2024/08/22
51: H04W
71: AppBrilliance, Inc.
72: SMITH, Charles Eric, AYESTARAN, Sergio Gustavo
33: US 31: 16/828,449 32: 2020-03-24
54: SYSTEM ARCHITECTURE FOR ACCESSING SECURE DATA FROM A MOBILE DEVICE IN COMMUNICATION WITH A REMOTE SERVER
00: -
Systems, methods, and computer-readable storage devices to enable secured data access from a mobile device executing a native mobile application that operates in connection with a server executing a headless browser are disclosed.



21: 2022/10639. 22: 2022/09/26. 43: 2024/08/07
51: H04L
71: StrikeReady
72: GURTU, Anurag, KHALID, Yasir
33: US 31: 62/980,519 32: 2020-02-24
54: AUTOMATED ACTIONS IN A SECURITY PLATFORM
00: -
Systems and methods for providing automated actions in handling security threats are disclosed. The method includes receiving one or more tickets, where each ticket includes event information associated with a security threat. For each ticket, the method further includes extracting one or more entities from the event information, determining at least one actionable entity from the extracted entities, and presenting artifacts found in the ticket, where the artifacts include the actionable entit(ies).



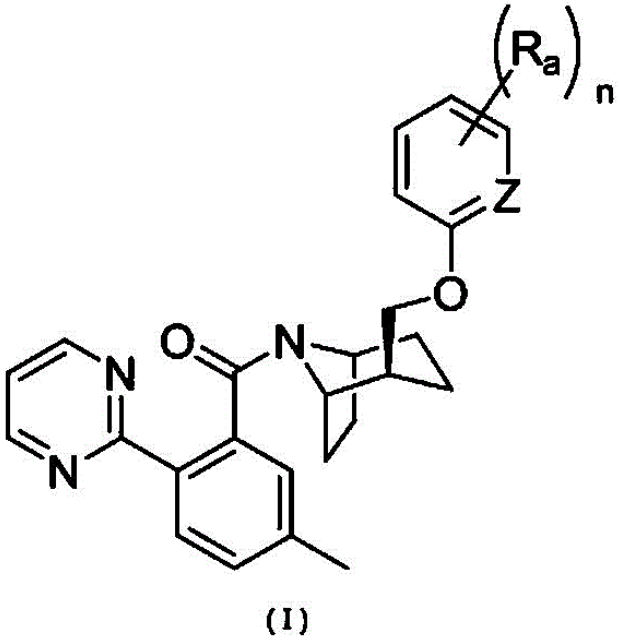
21: 2022/10822. 22: 2022/09/30. 43: 2024/08/22
51: A61K
71: Tillotts Pharma AG
72: VARUM, Felipe, VON ROCHOW, Laetitia, GÖTZ, Carmen, BRAVO, Roberto
33: EP(CH) 31: 17192260.2 32: 2017-09-20
54: PREPARATION OF SOLID DOSAGE FORMS COMPRISING ANTIBODIES BY SOLUTION/SUSPENSION LAYERING
00: -
The present invention relates to a method for preparing immediate and sustained release solid dosage forms, comprising antibodies andfunctional fragments thereof, by solution/suspension layering,optionally coated with a delayed release coating; the solid dosage forms prepared bythe method; and the use of the solid dosage forms in the topical treatment in the gastrointestinal tract of a patient.

21: 2022/11502. 22: 2022/10/20. 43: 2024/08/05
51: A61K; A61P
71: Shanghai Haiyan Pharmaceutical Technology Co., Ltd., Yangtze River Pharmaceutical Group Co., Ltd.
72: JIANG, Taotao, WANG, Jibiao, YANG, Han, LI, Li, DAN, Zhaoling, ZHU, Keyi, ZENG, Zhenya, SU, Bo, CHEN, Xi
33: CN 31: 202010304917.6 32: 2020-04-17

54: SOLID PHARMACEUTICAL PREPARATION, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention relates to a solid pharmaceutical preparation and a preparation method therefor. Specifically, disclosed are a solid pharmaceutical preparation that comprises an orexin receptor antagonist compound and a preparation method therefor, the solid pharmaceutical preparation comprising an active ingredient of a compound represented by formula I, a filler, a binder, a disintegrant, and a lubricant. The solid pharmaceutical preparation has good dissolution, stability and in vivo bioavailability.



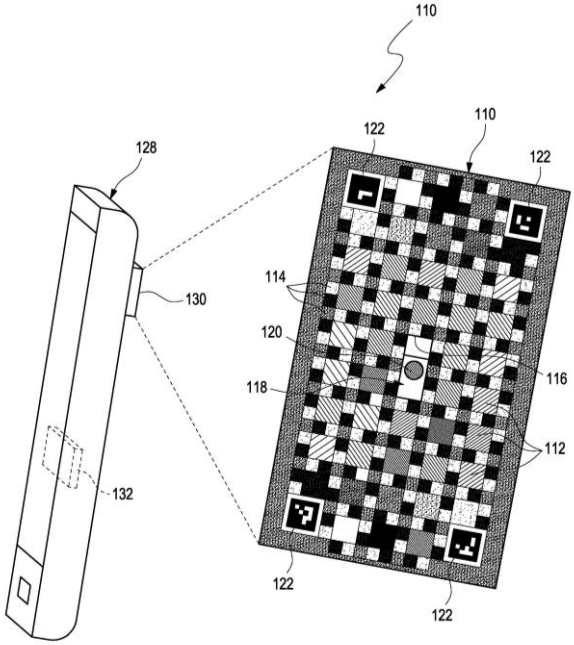
(I)

21: 2022/11506. 22: 2022/10/20. 43: 2024/08/08
51: G01N
71: F. Hoffmann-La Roche AG
72: BERG, Max, HAILER, Fredrik, LIMBURG, Bernd, TUERCK, Volker, WINKELNKEMPER, Momme
33: EP(CH) 31: 20173917.4 32: 2020-05-11

54: METHOD OF EVALUATING THE QUALITY OF A COLOR REFERENCE CARD

00: -

A method of evaluating the quality of a color reference card (110), the color reference card (110) comprising a plurality of color reference fields (112) having known reference color values, the method comprising the following steps: i. capturing at least one image of at least a part of the color reference card (110) by using at least one camera (130) of at least one mobile device (128); ii. determining measured reference color values for at least some of the color reference fields (112) from the image; iii. determining a relationship between at least some of the measured reference color values and the corresponding known reference color values; and iv. deriving at least one item of quality information on the quality of the color reference card (110) by using the relationship of step iii. Further, a method for determining the concentration of an analyte in a bodily fluid, a mobile device (128), a kit (126), a computer program and a computer-readable storage medium are disclosed.



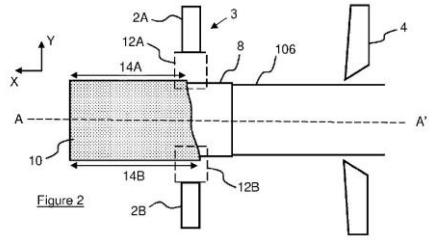
21: 2022/11543. 22: 2022/10/21. 43: 2024/08/08
51: B21D; G01B; G01N
71: CROWN PACKAGING TECHNOLOGY, INC.
72: HALSTEAD, Michael, BAILEY, Damien Andrew, EGERTON, Daniel
33: GB 31: 2006453.1 32: 2020-05-01

54: METHOD AND APPARATUS FOR DETECTING DEFECTS OR DETERIORATION IN THE SIDEWALLS OF CAN BODIES

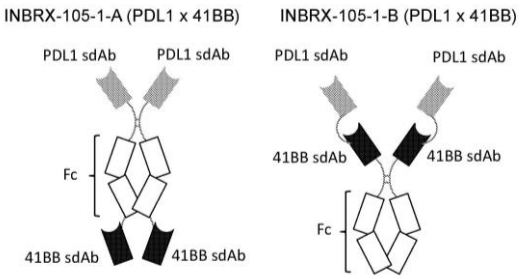
00: -

A method of detecting defects or deterioration in the sidewalls of can bodies during production of the can bodies within a can bodymaker. Each can body is formed by pushing a cup, mounted on a punch of a reciprocating ram, through one or more dies

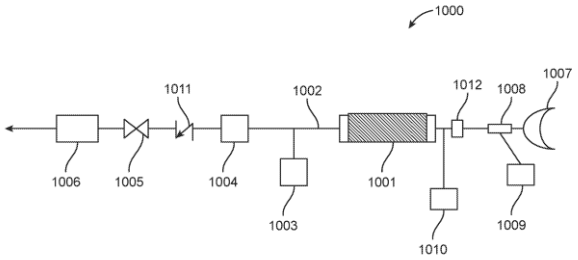
contained within a tool pack of the bodymaker. The method comprises: obtaining output signals from one or more eddy current sensors arranged around the ram axis outside of the tool pack and adjacent to an exit end of the tool pack; processing the output signals to detect passage of open ends of can body sidewalls past the sensor(s) and thereby determine measures of the heights or thicknesses of can body sidewalls; and analysing the determined measures to identify can body sidewall defects or deterioration.



21: 2022/11577. 22: 2022/10/24. 43: 2024/08/08
51: A61K; C07K
71: Inhibrx Biosciences, Inc.
72: ECKELMAN, Brendan P., TIMMER, John C., HATA, Chelsie, JONES, Kyle S., HUSSAIN, Abrahim, RAZAI, Amir S., BECKLUND, Bryan, PANDIT, Rajay, KAPLAN, Mike, RASCON, Lucas, DEVERAUX, Quinn
33: US 31: 62/277,028 32: 2016-01-11
54: MULTIVALENT AND MULTISPECIFIC 41BB-BINDING FUSION PROTEINS
00: -
This invention relates generally to molecules that specifically engage 41BB, a member of the TNF receptor superfamily (TNFRSF). More specifically, this invention relates to multivalent and multispecific molecules that bind at least 41BB.



21: 2022/11682. 22: 2022/10/26. 43: 2024/08/02
51: A61B G01N
71: ZETEO TECH, INC.
72: CHEN, Dapeng, BRYDEN, Wayne, A, MCLOUGHLIN, Michael
33: US 31: 63/005,179 32: 2020-04-03
33: US 31: 63/010,029 32: 2020-04-14
33: US 31: 63/069,029 32: 2020-08-22
54: DIAGNOSIS OF RESPIRATORY DISEASES USING ANALYSIS OF EXHALED BREATH AND AEROSOLS
00: -
Disclosed are methods and devices for analyzing non-volatile organics in exhaled breath and other aerosols using various diagnostic tools that enable rapid, low cost point of care assays for several diseases including respiratory tract diseases such as COVID-19. The disclosed methods and systems selectively capture non-volatile organics in exhaled breath and other aerosols in a packed bed column. The non-volatile organics are eluted and samples are analysis using diagnostic devices including MALDI-TOFMS. The disclosed systems and methods provide for a diagnostic test result in less than about 20 minutes and provides for autonomous operation with minimal human intervention.



21: 2022/11773. 22: 2022/10/28. 43: 2024/08/07
51: A61M
71: DEKA Products Limited Partnership
72: KAMEN, Dean, PERET, Bob D., KANE, Derek G., YOO, Brian H., TRACEY, Brian D., JOHNSON, Matthew J., SCHNELLINGER, Thomas S., LANGENFELD, Christopher C., LANIGAN, Richard J., MURPHY, Colin H., KERWIN, John M., SLATE, Michael J., CLARKE, Kaitlyn S.
33: US 31: 61/578,674 32: 2011-12-21
33: PCT/US 31: 2011/066588 32: 2011-12-21
33: US 31: 61/578,649 32: 2011-12-21
33: US 31: 13/333,574 32: 2011-12-21
33: US 31: 61/578,658 32: 2011-12-21
54: APPARATUS FOR CONTROLLING FLUID FLOW
00: -
An apparatus, system and method for regulating fluid flow are disclosed. The apparatus includes a

curved, elongated support member elastically deformable and having first and second ends. The apparatus also include an opposing support member configured to position a tube against the curved, elongated support member between the first and second ends. Deformation of the curved, elongated support member by movement of the first and second ends toward each other reduces an internal volume of the tube.

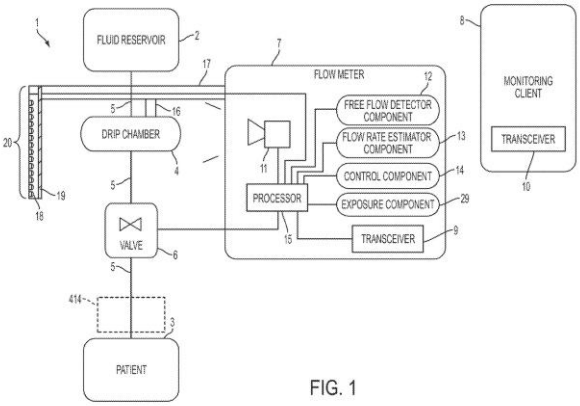
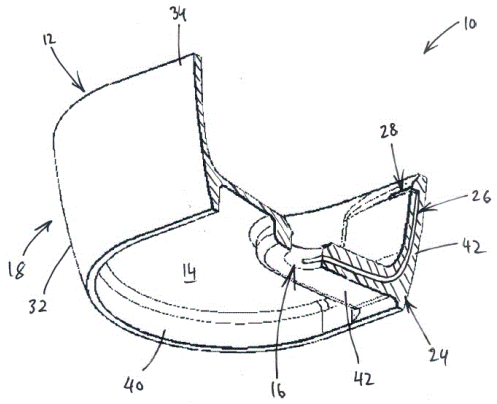


FIG. 1

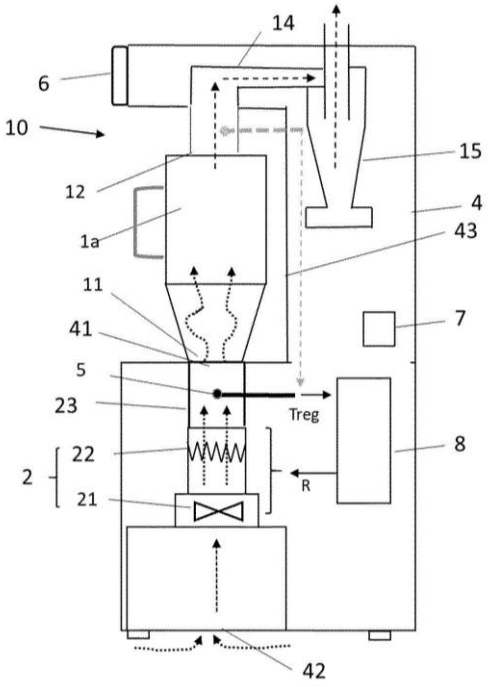
21: 2022/11982. 22: 2022/11/03. 43: 2024/08/07
51: A47K
71: VAN DER MERWE, Nicolaas, Johannes
72: VAN DER MERWE, Nicolaas, Johannes, VAN NIEKERK, Andre, Louis
33: ZA 31: 2021/05660 32: 2021-08-05
54: A RECEPTACLE FOR WASHING
00: -
A receptacle for washing including a base having a drainage aperture defined therein, a wall extending from peripheral regions of the base to define a receiving zone for receiving fluid therein and a zone of increased structural integrity so as to accommodate receipt of a drainage member which extends from an overflow aperture defined in the wall to the drainage aperture defined in the base.



21: 2022/12500. 22: 2022/11/16. 43: 2024/08/15
51: A61K; A61P
71: Eli Lilly and Company
72: ALSINA-FERNANDEZ, Jorge, CABRERA, Over, COSKUN, Tamer
33: US 31: 62/702,180 32: 2018-07-23
54: METHOD OF USING A GIP/GLP1 CO-AGONIST FOR DIABETES
00: -
The present invention provides methods of treating type 2 diabetes (T2D) using a novel dosing regimen of a GIP:GLP-1 Peptide having a GIP:GLP-1 receptor agonist potency ratio that is about 2.5:1 to about 10:1 GIP to GLP-1. Furthermore, the present invention provides methods of treating T2D using a novel dosing regimen of a GIP:GLP-1 Peptide having a GIP:GLP-1 receptor agonist potency ratio that is about 2.5:1 to about 5:1 GIP to GLP-1. Also, the present invention provides methods of inducing T2D remission using a novel dosing regimen of a GIP:GLP-1 Peptide. The present invention also provides methods of treating obesity using a novel dosing regimen of a GIP:GLP-1 Peptide.

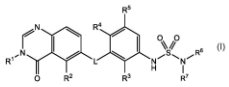
21: 2022/12639. 22: 2022/11/21. 43: 2024/08/16
51: A23F; A23N
71: Société des Produits Nestlé S.A.
72: DUBIEF, Flavien Florent, BIGLER, Nicolas, PINDJUROV, Riste, MARTIN, Vincent
33: EP(CH) 31: 20171668.5 32: 2020-04-27
54: SYSTEM FOR CALIBRATION OF ROASTING APPARATUSES
00: -
The invention concerns a coffee beans roasting system comprising : - a coffee beans roasting apparatus (10), said apparatus comprising :. a chamber (1),. a heating device (2),. at least one first

temperature probe (5) to regulate the temperature of air supplied by the heating device, said first temperature probe being positioned outside the chamber,. a control system (80) configured to control the heating device and configured to reproduce roasting curves each of said roasting curves providing a set of points (T@ti; ti) based on the temperature Treg regulated by the at least one first temperature probe, and - at least one second temperature probe (3) configured to be introduced temporary inside the roasting apparatus to measure the temperature inside the roasting chamber, and - means configured to create a pressure loss of the flow of hot air while the chamber is void of coffee beans in order to simulate the presence of coffee beans inside the chamber during a roasting operation.



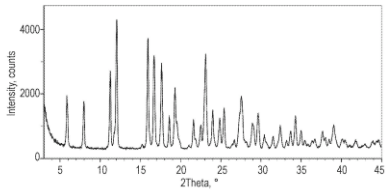
21: 2022/12876. 22: 2022/11/25. 43: 2024/08/15
51: A61K; A61P; C07D
71: Array BioPharma Inc.
72: BETTENDORF, Tanna Marie, DOERNER BARBOUR, Patrick Michael, KAHN, Dean Russell, KELLUM, Alex Andrew, LAIRD, Ellen Ruth, MORENO, David Austin, REN, Li
33: US 31: 63/036,522 32: 2020-06-09
54: 4-OXO-3,4-DIHYDROQUINAZOLINON COMPOUNDS FOR THE TREATMENT OF BRAF-ASSOCIATED DISEASES AND DISORDERS
00: -

Provided herein is a compound of the Formula I: or a pharmaceutically acceptable salt thereof, wherein R^1, R^2, R^3, R^4, R^5, R^6, R^7 and L are as defined herein, for the treatment of BRAF-associated diseases and disorders, including BRAF-associated tumors.

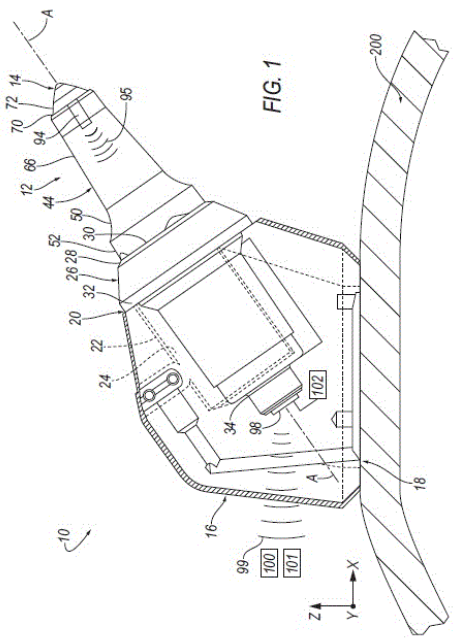


(I)

FIG. 1

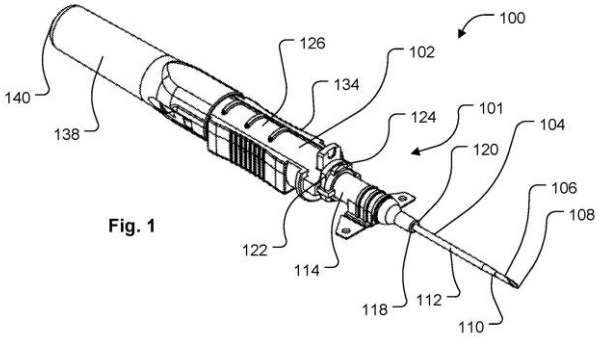


21: 2022/12901. 22: 2022/11/28. 43: 2024/08/15
51: B23B; B23D; B23Q; B26D
71: Kennametal Inc.
72: LIU, Yu, YU, Xiaofeng, ZHANG, Shuangyuan, ZHIQUAN, Guo, ZHOU, Hongyu
33: CN 31: 202210026643.8 32: 2022-01-11
54: CUTTING TOOL MOUNTING ASSEMBLY WITH SPLIT, MODULAR AND WIRELESS WEAR DETECTION SYSTEM
00: -
A cutting tool mounting assembly (10) includes a base (16) that defines a receptacle (22). A bushing (26) is configured to be received in the receptacle (22) and includes an aperture (30). A rotatable cutting tool (12) is received in the aperture (30) of the bushing. The rotatable cutting tool (12) includes a cutting tip (14). The cutting tool mounting assembly includes a split, modular and wireless wear detection system including a target (94) proximate the cutting tip (14) for emitting a signal representative of the wear of the cutting tip (14), a sensor element (96) for detecting the signal emitted by the target (94) at a spaced apart location with respect to the target (94), a data recording and data transmitting device (98) for recording data from the sensor element (96) and for wirelessly communicating the data to a processor (100) and/or a display device (101).



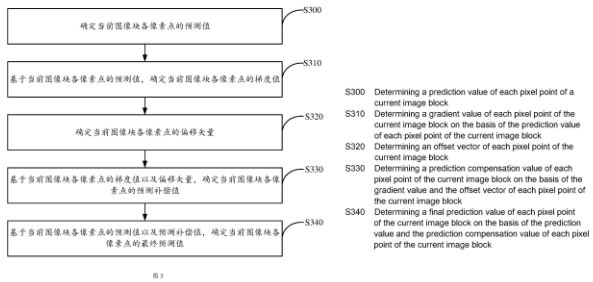
21: 2022/12924. 22: 2022/11/28. 43: 2024/08/15
51: A23L
71: Else Nutrition GH Ltd
72: KESLER, Uriel, YITZHAK, Hamutal, AZAR, Michael, WIDBERG, Asher, BAR-YOSEPH, Fabiana
33: US 31: 63/027,989 32: 2020-05-21
54: NUT AND NON-DAIRY COMPONENTS HAVING REDUCED TRACE ELEMENT CONTENT, COMPOSITIONS COMPRISING THEM AND PROCESSES FOR THEIR PRODUCTION
00: -
The invention provides non-dairy, plant-based components, having reduced trace element contents, food products and nutritional compositions comprising them and methods for their preparation.

21: 2022/12948. 22: 2022/11/29. 43: 2024/08/15
51: A61M
71: Smiths Medical ASD, Inc.
72: AKCAY, Gursel, MUSKATELLO, James, CHHEDA, Harsh, GORAL, David, PALIWODA, Brian
33: US 31: 62/109,755 32: 2015-01-30
33: US 31: 62/109,745 32: 2015-01-30
33: US 31: 62/109,759 32: 2015-01-30
33: US 31: 62/109,673 32: 2015-01-30
33: US 31: 62/109,715 32: 2015-01-30
33: US 31: 62/109,735 32: 2015-01-30
33: US 31: 62/109,722 32: 2015-01-30
33: US 31: 62/109,742 32: 2015-01-30
33: US 31: 62/109,766 32: 2015-01-30
33: US 31: 62/109,750 32: 2015-01-30
33: US 31: 62/109,710 32: 2015-01-30
54: RELEASEABLE CATHETER HUB RETAINER
00: -
A safety catheter insertion assembly including a catheter hub coupling assembly. The safety catheter insertion assembly having a needle hub slideably coupled to a needle housing such that the needle hub is moveable between a first position wherein an insertion needle extends from the needle housing, and a second position wherein the sharp distal tip is housed within the needle housing, the catheter hub coupling assembly coupling the catheter hub to the needle housing in the first position and releasing the catheter hub from the needle housing in the second position.

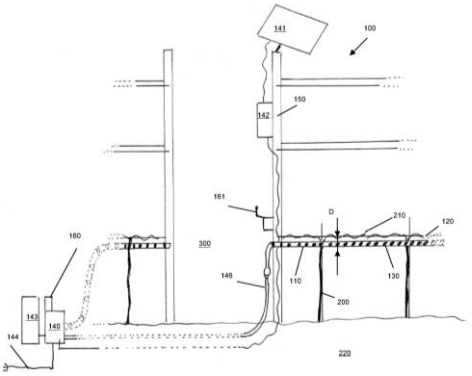


21: 2022/12951. 22: 2022/11/29. 43: 2024/08/15
51: H04N
71: Hangzhou Hikvision Digital Technology Co., Ltd.
72: CHEN, Fangdong
33: CN 31: 201910901352.7 32: 2019-09-23
54: ENCODING AND DECODING METHOD, DEVICE AND APPARATUS
00: -
The present application provides an encoding and decoding method, apparatus, and device, the method for encoding and decoding includes: determining prediction values of pixel points of current image block; determining gradient values of pixel points of the current image block based on the prediction values of pixel points of the current image block; determining offset vectors of pixel points of the current image block; determining prediction compensation values of pixel points of the current image block based on the gradient values and the offset vectors of pixel points of the current image block; and determining final prediction values of pixel points of the current image block based on the prediction values and the prediction compensation values of pixel points of the current image block. The

method can expand the range of application of the prediction compensation adjustment.

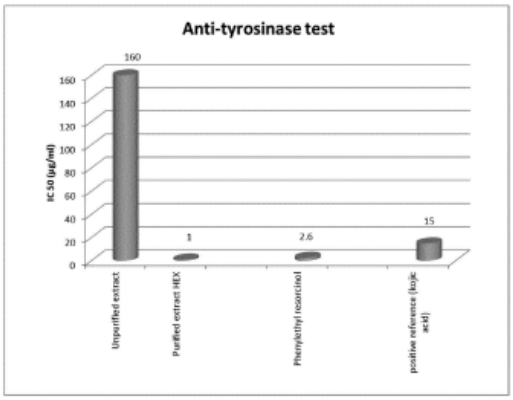


21: 2022/12962. 22: 2022/11/29. 43: 2024/07/31
51: A01G
71: FROLIGHT BV
72: SCHMIDT, Alexander
33: BE 31: BE2020/5549 32: 2020-07-27
54: FROST PROTECTION SYSTEM
00: -
The invention concerns a frost protection system (100) for protecting new growth or new plantings from frost comprising one or more light strings (110) for irradiating the new growth or new planting to be protected from frost, a power supply (140) for supplying the light strings (110) with electrical power and a thermal control unit (160) for controlling the power supply on the basis of measured temperature. The one or more light strings (110) have at least four lights (130) per linear meter.

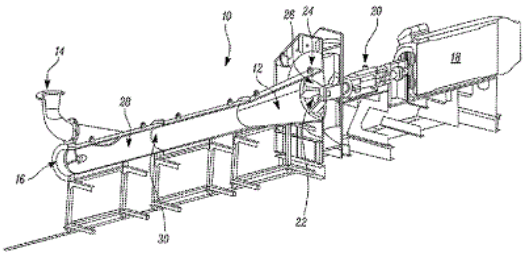


21: 2022/13101. 22: 2022/12/02. 43: 2024/08/15
51: A61K; A61Q
71: Givaudan SA
72: HUMEAU, Anne, MEUNIER, Marie, REYNAUD, Romain, SCANDOLERA, Amandine
33: GB 31: 2009109.6 32: 2020-06-16
54: IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS
00: -

An extract of *Himanthalia elongata* and a cosmetic composition comprising a carrier and said extract is provided. The extract and the composition show whitening and anti-ageing activities.

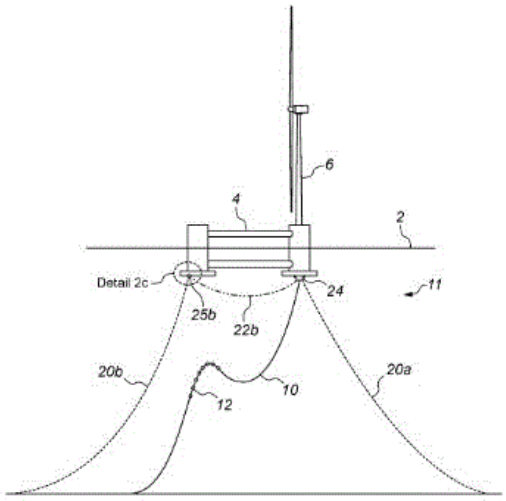


21: 2022/13149. 22: 2022/12/05. 43: 2024/08/26
51: B02C F04D
71: VORTEX INDUSTRIAL SOLUTIONS LIMITED
72: RAWSON, Colin
33: ZA 31: 2020/02500 32: 2020-05-07
54: AERO-ACOUSTIC MATERIALS PROCESSING APPARATUS AND METHOD
00: -
The invention is an aero-acoustic comminution apparatus which includes an aero-acoustic comminution machine 10 having a cyclone chamber 12 with an inlet 14 for the material to be comminuted and an inlet 16 for the air. An electric motor 18 coupled to a shaft 20 to which an impeller 22 is coupled rotates the impeller 22 within an impeller housing 24 to draw the air and the entrained material to be comminuted into the cyclone chamber 12 and through an axial inlet system 26 into the impeller 22 and impeller housing 24 and to expel the comminuted material through the impeller housing 24 radially through a transverse outlet. The invention extends to a method of comminuting an ore material using said aero-acoustic comminution apparatus as well as an organic material. The invention further extends to aero-acoustic materials processing plant including said aero-acoustic comminution apparatus and further comprising an enclosure surrounding the aero-acoustic including sound attenuation panels having 4 or more layers which include a plasticised film, dense Rockwool, waterproof gyprock and a rubberised film.



21: 2022/13587. 22: 2022/12/15. 43: 2024/08/01
51: A01N; A61K; G01D; G01N
71: DVA AGRO GMBH
72: DE SOUZA MELO, GIULIA CRISTINE, CORSI, RAFAELA CRISTINA FEITOSA , GONÇALVES, NATÁLIA, ALEIXO, JOÃO PAULO , SHEVCHENKOV, YEVGENIY
33: BR 31: P 1020210254947 32: 2021-12-16
33: BR 31: P 1020220243875 32: 2022-11-29
54: PESTICIDE COMPOSITION WITH PH INDICATOR, PREPARATION PROCESS AND USE THEREOF
00: -
The present invention relates to an agrochemical product in granular form and a composition comprising at least one active ingredient and at least one pH indicator. Further, the present invention refers to the process for preparing said agrochemical product, the process for measuring and adjusting the pH of the water to be used in the composition comprising the active ingredient and the pH indicator, and their uses in pesticides.

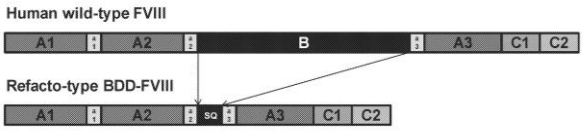
21: 2022/13596. 22: 2022/12/15. 43: 2024/09/19
51: B63B
71: ENCOMARA LIMITED
72: BOWIE, Malcolm
33: GB 31: 2007691.5 32: 2020-05-22
33: GB 31: 2014361.6 32: 2020-09-11
54: DISCONNECTABLE MOORING SYSTEM
00: -
A disconnectable mooring system for offshore semi-submersible floating structures. A disconnectable buoy has a number of mooring lines which include a buoy chain between the mooring chain and the buoy. The mooring chain and the buoy chain are connected via a three way mooring connector, with the third connection configured to pull the mooring connector to a mooring point on the structure. In a first configuration the buoy is disconnected and supports the mooring chains for recovery at shallow depths to be pulled in. In a second configuration, the mooring lines are pulled in via the mooring connectors thereby providing a spread mooring to the structure with the buoy chain left as a catenary between the buoy and mooring point.



21: 2022/13610. 22: 2022/12/15. 43: 2024/08/15
51: C08K; C08L
71: LANXESS Corporation
72: HE, Qingliang
33: US 31: 63/040,467 32: 2020-06-17
54: FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS
00: -
The present disclosure relates to a novel flame retardant and stabilizer additive composition for thermoplastic polymers, the additive composition including at least one phosphorus- containing flame retardant and at least one carbodiimide, as described herein. The presently disclosed additive compositions are useful over a wide range of thermoplastic applications, particularly in thermoplastic polymers that are processed and/or used at high temperatures.

21: 2022/13661. 22: 2022/12/19. 43: 2024/08/15
51: A61K; C07K; C12N
71: Takeda Pharmaceutical Company Limited
72: FALKNER, Falko-Günter, HORLING, Franziska, LENGLER, Johannes, ROTTENSTEINER, Hanspeter, SCHEIFLINGER, Friedrich
33: US 31: 62/255,317 32: 2015-11-13
54: VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A

00: -
The present disclosure provides, among other aspects, codon-altered polynucleotides encoding Factor VIII variants for expression in mammalian cells. In some embodiments, the disclosure also provides mammalian gene therapy vectors and methods for treating hemophilia A.



21: 2022/13662. 22: 2022/12/19. 43: 2024/08/01
51: E21D; F16B
71: MOHLALEFI (PTY) LTD.
72: MASITISE, MARTIN NARE, MUNIAH, GERALD
33: ZA 31: 2021/07248 32: 2021-09-28
54: RADIAL LOCK MECHANISM
00: -
A radial lock mechanism used with locknuts, assemblies, or mechanisms, used with rock anchors, typically in the form of cable anchors. The radial lock mechanism comprises a locking portion defining an opening through which an anchor is received in use. The locking portion is configured to exert a clamping force onto the anchor when the mechanism is subjected to an axial or compressive force. A lock body having a suitably shaped opening to receive at least part of the locking portion therein is configured such that operative interaction between the lock body and the locking portion, when the locking portion is displaced axially relative to the lock body, actuates the locking portion, thereby causing the locking portion to exert the clamping force onto the anchor.

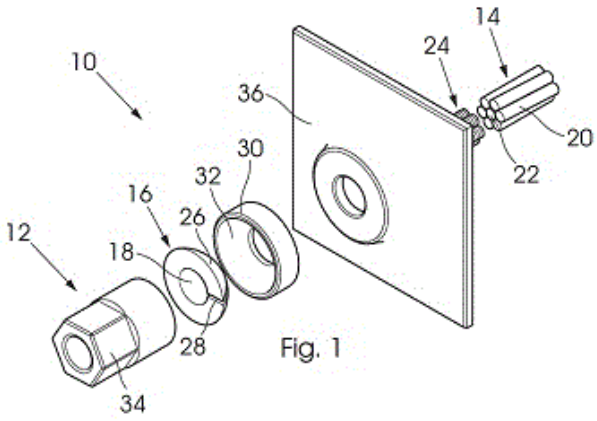
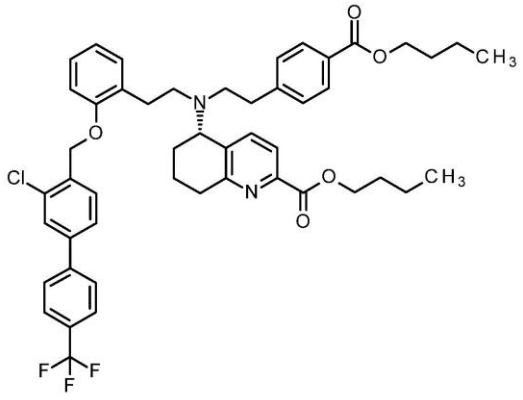


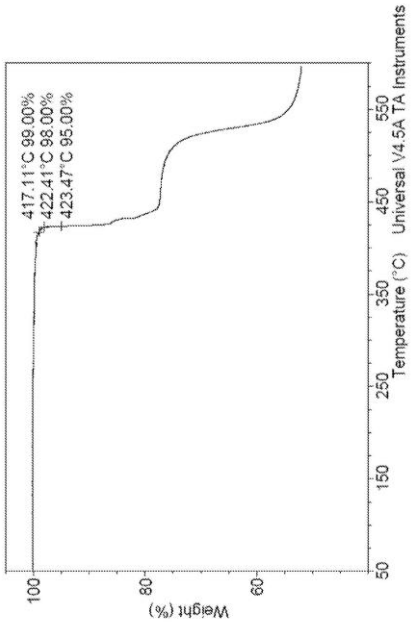
Fig. 1

21: 2022/13689. 22: 2022/12/19. 43: 2024/08/15
51: C07D
71: Bayer Aktiengesellschaft, Bayer Pharma Aktiengesellschaft
72: FEY, Peter, NOWAKOWSKI, Marc, EGGER, Julian, BREMEYER, Nadine
33: EP(DE) 31: 20175721.8 32: 2020-05-20
54: PROCESS OF PREPARING BUTYL-(5S)-5-({2-[4-(BUTOXYCARBONYL)PHENYL]ETHYL}[2-(2-{[3-CHLORO-4'-(TRIFLUOROMETHYL)[BIPHENYL]-4-YL]METHOXY}PHENYL)ETHYL]AMINO)-5,6,7,8-TETRAHYDROQUINOLINE-2-CARBOXYLATE
00: -
The invention relates to a new and improved process of preparing butyl-(5S)-5-({2-[4-(butoxycarbonyl)phenyl]ethyl}[2-(2-{[3-chloro-4'-(trifluoromethyl)[biphenyl]-4-yl]methoxy}phenyl)ethyl]amino)-5,6,7,8-tetrahydroquinoline-2-carboxylate of formula (XII), new precursors for its preparation, and to its use for preparing (5S)-5-{[2-(4-carboxyphenyl)ethyl][2-(2-{[3-chloro-4'-(trifluoromethyl)[biphenyl]-4-yl]methoxy}phenyl)ethyl]amino}-5,6,7,8-tetrahydroquinoline-2-carboxylic acid.


(XII)

21: 2022/13691. 22: 2022/12/19. 43: 2024/08/15
51: C07F; C08K; C09K
71: LANXESS Corporation
72: HE, Qingliang
33: US 31: 63/040,489 32: 2020-06-17
54: FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS
00: -
The present disclosure relates to a novel flame retardant and stabilizer additive composition for thermoplastic polymers, the additive composition

including at least one phosphorus-containing flame retardant and at least one epoxide, as described herein. The presently disclosed additive compositions are useful over a wide range of thermoplastic applications, particularly in thermoplastic polymers that are processed and/or used at high temperatures.



21: 2022/13692. 22: 2022/12/19. 43: 2024/08/15
51: C08K
71: LANXESS Corporation
72: HE, Qingliang, ENDTNER, Jochen
33: US 31: 63/040,486 32: 2020-06-17
54: ANTIMONY TRIOXIDE FREE FLAME RETARDANT POLYMER COMPOSITION
00: -
The combination of one or more phosphorus-containing flame retardant compounds as described herein with at least one brominated flame retardant compound provides an effective flame retardant additive for thermoplastic polymers without requiring the use of antimony trioxide. Flame retardant thermoplastic compositions are therefore provided containing at least one thermoplastic polymer, at least one brominated flame retardant, and at least one phosphorus-containing flame retardant as described herein. The compositions are useful for a wide range of applications, such as for electrical and electronic applications.

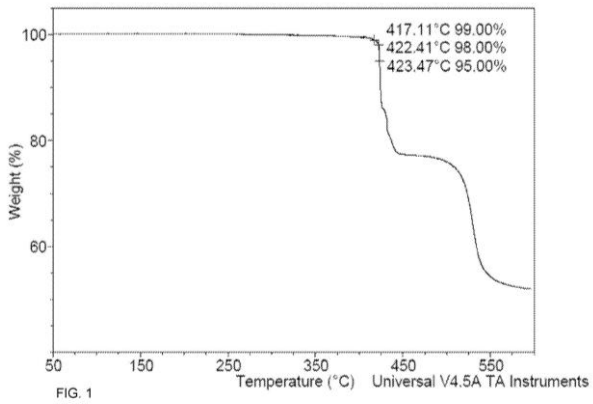


FIG. 1

21: 2022/13700. 22: 2022/12/19. 43: 2024/08/15
51: F16G
71: Gripple Limited
72: HUDSON, James, REYNOLDS, Thomas
33: GB 31: 2010059.0 32: 2020-07-01
54: JOINING ASSEMBLY
00: -
A joining assembly (12) comprises two joining devices (10). Each joining device (10) comprises a securing arrangement (46) for securing at least one article (14) to the joining devices (10). One of the joining devices (10) comprises a first attaching arrangement (30, 32), and the other of the joining devices (10) comprises a second attaching arrangement (30, 32). The first and second attaching arrangements can cooperate with each other to attach the joining devices (10) to each other.

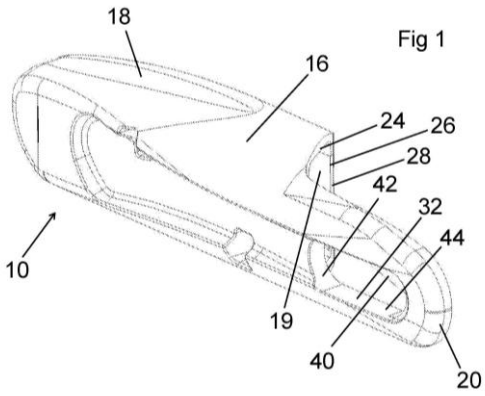


Fig 1

21: 2022/13754. 22: 2022/12/20. 43: 2024/08/01
51: A61K
71: CELATOR PHARMACEUTICALS, INC.
72: HAYES, MARK E, NOBLE, CHARLES O, SZOKA JR, FRANCIS C
33: US 31: 62/033,073 32: 2014-08-04

54: REMOTE LOADING OF SPARINGLY WATER-SOLUBLE DRUGS INTO LIPID VESICLES
00: -
The present invention provides liposome compositions containing sparingly soluble drugs that are used to treat life-threatening diseases. A preferred method of encapsulating a drug inside a liposome is by remote or active loading. However, this process as described in the literature has been limited to drugs that are freely soluble in aqueous solution or solubilized as a water-soluble complex. This invention describes compositions and methods for remote loading drugs with low water solubility (2 mg/mL). In the preferred embodiment the drug in the solubilizing agent is mixed with the liposomes in aqueous suspension so that the concentration of solubilizing agent is lowered to below its capacity to completely solubilize the drug. This results in the drug precipitating but remote loading is capability retained. The process is scalable and the resulting drug-loaded liposomes are characterized by a high drug-to-lipid ratios and predictable drug retention when the liposome encapsulated drug is administered in patients.

21: 2022/13921. 22: 2022/12/22. 43: 2024/08/01
51: F16C
71: WEG EQUIPAMENTOS ELÉTRICOS S/A
72: ANTUNES CEZARIO, CASSIANO, DA SILVA, JULIO CESAR, PIAZERA DE CARVALHO, THIAGO, DE SOUZA, AUGUSTO CESAR
33: BR 31: BR 10 2022 021688-6 32: 2022-10-25
54: RETENTION RING FOR WIND TURBINES AND CORRESPONDING WIND TURBINE
00: -
The present invention relates to a retaining ring (100) for wind generators comprising an annular body (110) with at least one outflow opening (120) from which at least one tab (130) extends, wherein the retaining ring (100) is mounted on the shaft (400) downstream of a roller bearing (500), wherein at least one tab (130) projects towards the roller bearing (500). The present invention also relates to a corresponding wind generator (100) provided with at least one retaining ring (100) of the invention.

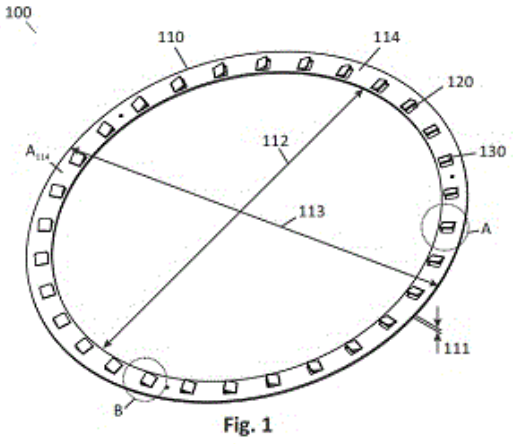


Fig. 1

21: 2023/00365. 22: 2023/01/09. 43: 2024/09/19
51: C08K
71: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
72: D'MELO, Dawid John, TAYLOR, Richard Ernest, TUGAL, Bulent
33: IN 31: 202041032887 32: 2020-07-31
54: ANTI-AGEING ADDITIVES FOR BITUMEN
00: -
The invention relates to an additive composition, wherein the additive composition comprises anti-oxidants and an asphaltene dispersant, wherein the anti-oxidants are tris (2,4-ditert butyl) phenyl phosphite and 3,3'- thiodipropionic acid dioctadecylester, and wherein the asphaltene dispersant is polyethylene glycol monoalkyl ether. The invention additionally relates to a bituminous composition comprising anti-oxidants and an asphaltene dispersant, wherein the anti-oxidants are tris (2,4-ditert butyl) phenyl phosphite and 3,3'-thiodipropionic acid dioctadecylester, and wherein the asphaltene dispersant is polyethylene glycol monoalkyl ether. The invention also relates to an asphalt composition comprising the bituminous composition with resistance to short-term and long-term chemical ageing. The invention further relates to the use of an additive composition to reduce short-term and long-term chemical ageing of the bituminous compositions.

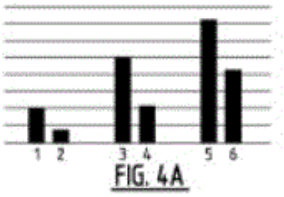


FIG. 4A

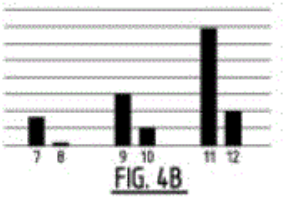


FIG. 4B

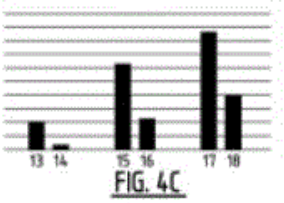


FIG. 4C

21: 2023/01104. 22: 2023/01/26. 43: 2024/09/16
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: MIRONOV, Oleg, STURA, Enrico, DUCROS, Maxime, HAU, Daniela
33: EP 31: 20183280.5 32: 2020-06-30

54: AEROSOL-GENERATING DEVICE AND METHOD WITH PUFF DETECTION

00: -

A method of operating an aerosol-generating device is disclosed. The aerosol-generating device comprises a power supply for supplying power to generate the aerosol, and a controller. The method comprises steps of monitoring (202) a parameter indicative of aerosol generation during operation of the aerosol-generating device, analysing (204) the monitored parameter to identify a user puff, the user puff defined by a puff start and a puff end. The monitored parameter is a power signal, and the puff is identified by comparing first and second moving averages of the power signal based on different time windows. The method may further comprise steps of analysing (205) the monitored parameter during the user puff to calculate (206) a puff volume, the puff volume being a volume of aerosol generated during the user puff, and using (207) the puff volume as a parameter for controlling operation of the device. Controlling operation of the device based on puff volume may provide an improved user experience for users who take stronger or weaker puffs than average.

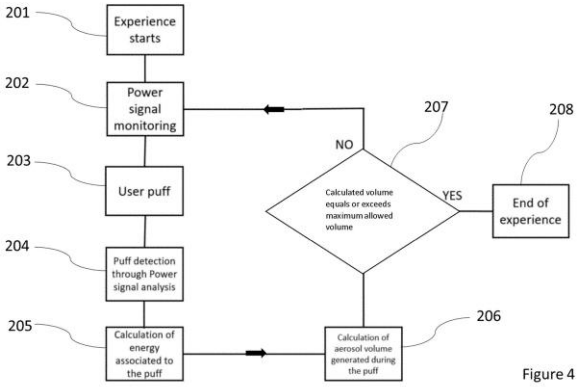


Figure 4

21: 2023/02149. 22: 2023/02/21. 43: 2024/09/19
51: B09B; C10B; C10G
71: IFP ENERGIES NOUVELLES
72: WEISS, Wilfried, QUIGNARD, Alain, NGUYEN-HONG, Duc
33: FR 31: FR2009750 32: 2020-09-25

54: METHOD FOR PROCESSING PYROLYSIS OILS FROM PLASTICS AND/OR SOLID RECOVERED FUELS LOADED WITH IMPURITIES

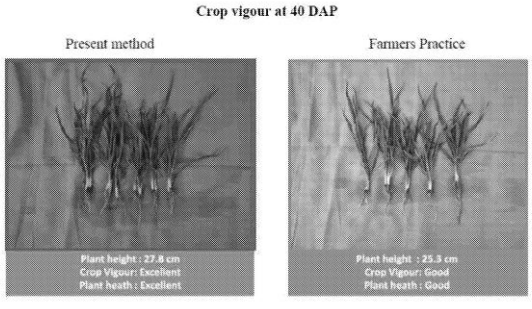
00: -

The present invention relates to a method for processing a pyrolysis oil from plastics and/or solid recovered fuels (SRF), comprising: a) optionally, selective hydrogenation of the feedstock; b) bubbling bed, entrained bed and/or moving bed hydroconversion in order to obtain a hydroconverted effluent; c) separation of the hydroconverted effluent in the presence of an aqueous flow in order to obtain a gaseous effluent, an aqueous liquid effluent and a hydrocarbon liquid effluent; d) fractionation of the hydrocarbon liquid effluent in order to obtain at least one gaseous flow and a fraction having a boiling point less than or equal to 385°C and a fraction having a boiling point greater than 385°C; e) hydroprocessing of the fraction comprising compounds having a boiling point less than or equal to 385°C in order to obtain a hydroprocessed effluent; f) separation in order to obtain at least one gaseous effluent and a hydroprocessed hydrocarbon liquid effluent.

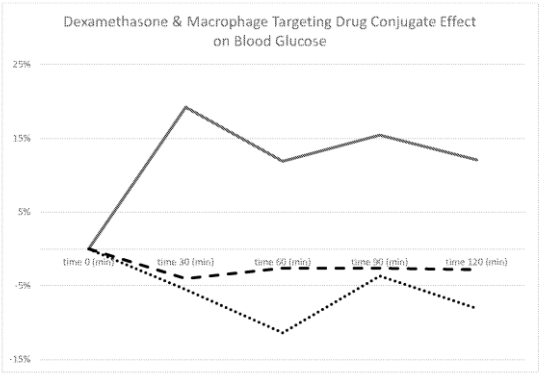
21: 2023/02340. 22: 2023/02/23. 43: 2024/07/16
51: A61K; C12N

71: UNIVERSITY OF WASHINGTON, THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
72: PULTZ, Ingrid, Swanson, WOLF, Clancey, SIEGEL, Justin, Bloomfield, TINBERG, Christine, Elaine, STEWART, Lance, BAKER, David
33: US 31: 62/172,557 32: 2015-06-08
54: COMPOSITIONS AND METHODS FOR TREATING CELIAC SPRUE DISEASE
00: -
Polypeptides, and methods for their use, are disclosed that have an amino acid sequence at least 75% identical to the amino acid sequence of SEQ ID NO:1, are provided, wherein (a)the polypeptide degrades a PFQPQLPY (SEQ ID NO: 140) peptide and/or a PFPQPQQPF (SEQ ID NO: 68) at pH 4; (b) residue 467 is Ser, residue 267 is Glu, and residue 271 is Asp; and (c) the polypeptide comprises an amino acid change from SEQ ID NO: 1 at one or more residues selected from the group consisting of 221, 262E, 268, 269, 270, 319A, 320, 354E/Q/R/Y, 358S/Q/T, 368F/Q, 399, 402, 406, 424, 449, 461, 463, 105, 171, 172, 173, 174, and 456.

21: 2023/03173. 22: 2023/02/28. 43: 2024/08/19
51: A01N; A01P
71: UPL Limited
72: BHASKARAN, Raghulal Vellayil
33: IN 31: 202021035283 32: 2020-09-01
54: FORMULATIONS AND METHODS FOR REGULATING AND STIMULATING PLANT GROWTH
00: -
The present disclosure relates to methods and compositions for crop protection and increasing nutrition of plants. In particular, the invention relates to a method for stimulating and promoting growth of a plant and to increase yield and quality.



21: 2023/03252. 22: 2023/03/01. 43: 2024/09/27
51: A61K; C07H; C07J; A61P
71: P.I.F. ENTREPRENEURS LTD.
72: GOLDBERG, Alec M., GOLDBERG, Samuel H., GOLDBERG, James I., GOLDBERG, Isaiah Z., GOLDBERG, Michael M.
33: US 31: 63/063,486 32: 2020-08-10
33: US 31: 63/158,892 32: 2021-03-10
54: MACROPHAGE TARGETING DRUG CONJUGATES
00: -
Described herein are novel, macrophage targeting drug conjugates. The macrophage targeting drug conjugates comprise a drug moiety, a mannose moiety, and a linker connecting the drug moiety and the mannose moiety. The linker may comprise a hydrazone group or an oxime group.



21: 2023/03311. 22: 2023/03/03. 43: 2024/08/20
51: B01J
71: LINDE GMBH, BASF SE
72: POSSELT, Heinz, HOFSTÄTTER, Martin, ZELLHUBER, Mathieu, DELHOMME-NEUDECKER, Clara, JENNE, Eric, KOCHENDÖRFER, Kiara Aenne, SHUSTOV, Andrey, LAIB, Heinrich, KÜHN, Heinz-Jürgen, JACOB, Reiner
33: EP 31: 20190052.9 32: 2020-08-07
54: REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION
00: -
The invention relates to a reactor comprising a reactor vessel and one or more reaction tubes, wherein a number of tube lengths of the one or more reaction tubes run within the reactor vessel, and wherein the tube lengths are each or can each be electrically connected to one or more power connections in a current in-feed region for the purpose of electrically heating the tube lengths. According to the invention, current infeed arrangements are arranged in the current in-feed region, to which a respective one of the tube lengths

or a respective group of tube lengths is electrically connected, wherein the current in-feed arrangements each have a first section and a second section, wherein the first section extends along a longitudinal axis starting from the respective tube length or the respective group of tube lengths or an element connected to same, The invention also relates to a corresponding method.

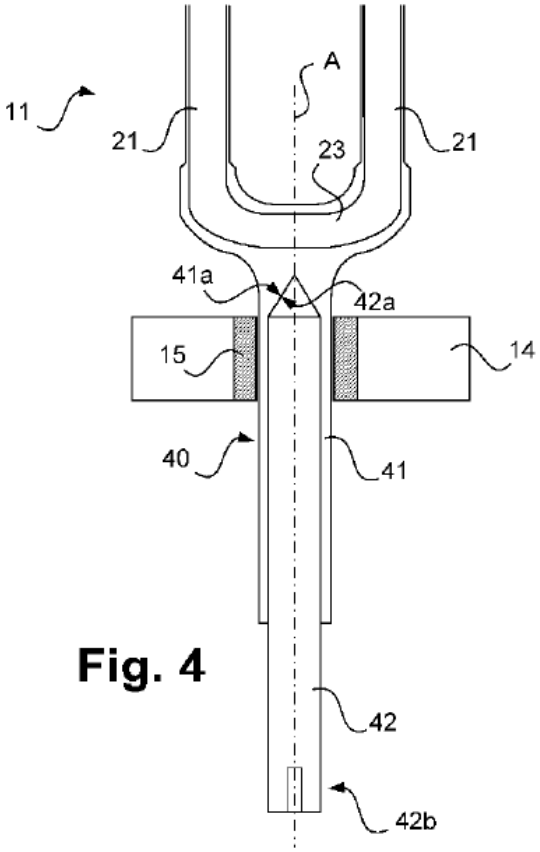
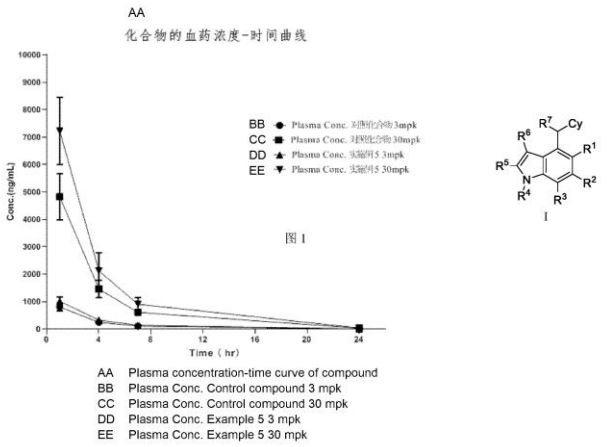


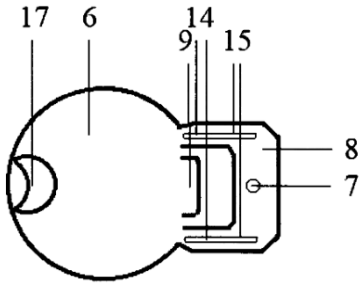
Fig. 4

21: 2023/03359. 22: 2023/03/06. 43: 2024/09/11
51: A61K; C07D; A61P
71: SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.
72: LUAN, Linbo, CHEN, Yongkai, WANG, Chaodong
33: CN 31: 202010790872.8 32: 2020-08-07
54: COMPLEMENT FACTOR B INHIBITOR, AND PHARMACEUTICAL COMPOSITION THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
A piperidine-containing heterocyclic compound represented by formula (I). The compound treats illnesses and diseases related to complement alternative pathway activation by inhibiting/regulating a complement factor B.

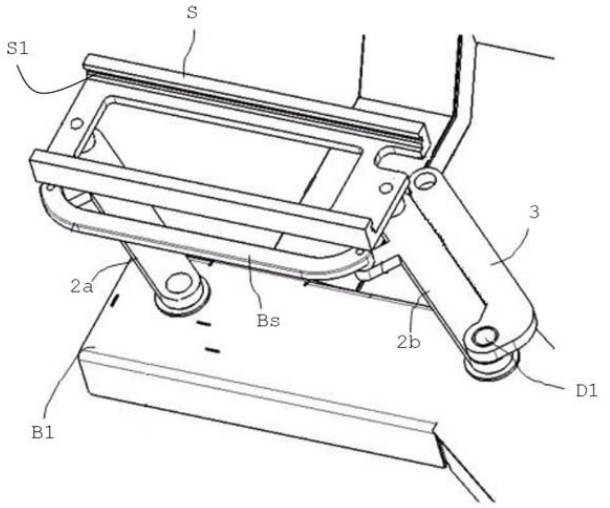


I

21: 2023/03380. 22: 2023/03/07. 43: 2024/07/23
51: B65D
71: SERRA CASELLES, Genoveva
72: SERRA CASELLES, Genoveva
33: ES 31: P 2020 00 121 32: 2020-08-07
54: INTEGRATED DEVICE FOR OPENING AND CLOSING CANS WITH DEFORMATION-RESISTANT CAN LIDS
00: -
The invention relates to an integrated device for opening and closing cans and boxes with deformation-resistant can oval sections (1) in order to allow a partial emptying of the contents with a subsequent closure of a container (2), comprising a detachable oval section (3) as an essential component of the container lid (4) of the container, said oval section being delimited by a circumferential grooved line (5), and comprising a lever (6) for opening the oval section, which is rigidly connected to the container lid by a central rivet (7) or similar known techniques. The invention is characterized in that the lever (6) comprises one rivet side (13) provided with an elongation of the lever for tearing off (8), said elongation having a fold (9) towards the container lid (4), whereas the other side has a handle (10) with an upper cover of the oval section (11) and the oval section (3), which has two connections to the container lid (4) of the container (2) and contains a non-deformable surface.



21: 2023/03513. 22: 2023/03/13. 43: 2024/10/07
51: F41A; F41C; F41F
71: NEXTER SYSTEMS
72: Laurent LE GRAND
33: FR 31: FR2202423 32: 2022-03-22
54: IMPROVED DEVICE FOR LOADING A SHELL IN THE CHAMBER OF A GUN
00: -
The invention relates to a device for loading a shell into the chamber of a gun, comprising a shell support connected to the gun by a set of supporting connecting rods (2b) forming a four-bar linkage and driven by a swiveling driving member (3) connected to a motor means, the driving member (3) being capable of being secured to a supporting connecting rod (2b) by a locking means (4) that can be unloced. The locking means (4) is defined so as to be unlocked when the supporting connecting rods (2b) are in a fixed predetermined position, referred to as the decoupling position, and includes a latch (7), an unlocking stop (8) for moving the latch (7) from the locked state to the unlocked state when said supporting connecting rod (2b) is in the decoupling position, and a holding member (9) for holding the latch (7) in the unlocked state as long as said supporting connecting rod (2b) is in the decoupling position.



21: 2023/03687. 22: 2023/03/17. 43: 2024/08/13
51: A61K; A61P
71: ST Pharm Co., Ltd.
72: KIM, Kyungjin, KIM, Uk-il, BANG, Hyung Tae, LEE, Seul Ki, HAN, Si Yeon
33: KR 31: 10-2020-0104758 32: 2020-08-20
54: PYRROLOPYRIDINE DERIVATIVE AND USE THEREOF
00: -
The present invention relates to a pyrrolopyridine derivative, a racemate thereof, a stereoisomer thereof, or a pharmaceutically acceptable salt thereof, and use thereof. The compound of the present invention has high selectivity and bioactivity against human immunodeficiency virus (HIV), and low toxicity, thus being particularly useful as a therapeutic agent for HIV infection.

21: 2023/03739. 22: 2023/03/22. 43: 2024/09/19
51: B65D
71: TOP CAP HOLDING GMBH
72: PIECH, Gregor, Anton
33: DE 31: 10 2020 128 491.8 32: 2020-10-29
54: CAN LID AND METHOD FOR PRODUCING A CAN LID
00: -
The invention relates to a can lid (11), in particular for beverage cans, comprising: a metal top face (13), in which there is formed an opening which is delimited by a closed edge of the top face (13) and which is closed by a closure piece (19) of the metal top face (13), the closure piece (19) being separated from the surrounding top face (13) by a micro gap (21) extending at least in some sections along the

edge (27) of the top face (13), an edge (25) of the closure piece (19) and the edge (27) of the surrounding top face (23) being adjacent to one another at the micro gap (21), and the closure piece (19) being movable out from the plane (37) defined by the opening to release the opening; and comprising a coating (33) formed from a plastics material, which is applied to a flat side (30) of the metal top face (13) in a manner covering the micro gap (21), characterised in that the edge (25) of the closure piece (19) and the edge (27) of the surrounding top face (23) are offset from one another transversely to the plane (27) defined by the opening.

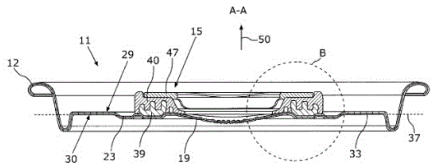
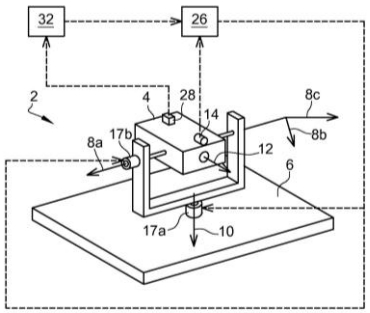
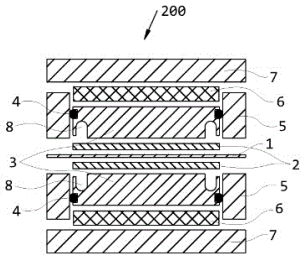


Fig.2

21: 2023/03826. 22: 2023/03/24. 43: 2024/08/07
51: G02B; G05B
71: Safran Electronics & Defense
72: HIRWA, Serge, QUADRAT, Arnaud
33: FR 31: 2009793 32: 2020-09-25
54: ADAPTIVE FEEDBACK CONTROL OF AN OPTRONIC SIGHT
00: -
The invention relates to an optronic sight (2) for motorized vehicles such as an aerial or marine vehicle propelled by a propeller or airscrew, or a tracked land vehicle comprising a sight module (4), movement means (17a, 17b) for moving the sight module about the first (8A) and the second (10) axis, measurement means (14) for continuously measuring angular data, characterized in that it comprises a feedback control loop comprising means (28) for continuously measuring the acceleration of the sight module (4) in three orthogonal directions (8a, 8b, 8c) of space, detection means (32) for detecting at least one fundamental frequency of vibrational disturbances, an adaptive corrector (26) configured to continuously receive as input said fundamental frequency and a difference between an angular setpoint value and said angular data, and to supply as output to the movement means (17a, 17b) a movement setpoint value.

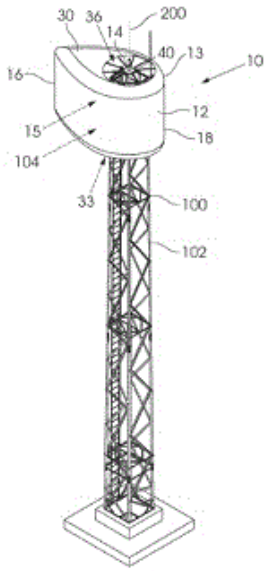


21: 2023/03939. 22: 2023/03/29. 43: 2024/09/27
51: C25B
71: FUSION FUEL PORTUGAL, S.A
72: FERREIRA SILVA, Jaime Domingos
33: PT 31: 116826 32: 2020-10-14
54: FLOATING FLOW-GUIDE PLATE FOR ELECTROCHEMICAL CELLS
00: -
The present invention relates to a floating flow-guide plate (3) characterized in that it includes two open channels (8) arranged along the lateral zones (101) of the flow-guide face (100), a plurality of recesses and/or protuberances arranged in the central zone (102) of the flow-guide face (100) communicating with both channels (8), enabling fluid flow between said channels (8), through at least one slot (9) all around the face perpendicular to the flow-guide face (100) and at least one elastic seal (4) seated in the slot (9).

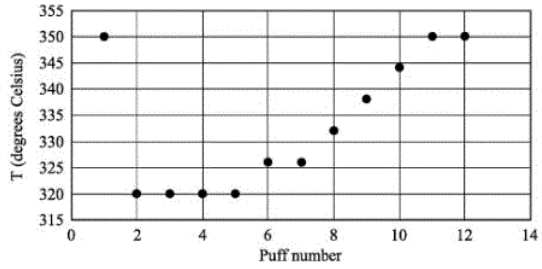


21: 2023/03962. 22: 2023/03/29. 43: 2024/08/12
51: H01Q; G09F
71: KIESER, HENDRIK GEORG
72: KIESER, HENDRIK GEORG
33: ZA 31: 2020/04923 32: 2020-08-11
33: ZA 31: 2021/01131 32: 2021-02-19
54: A DRAG-REDUCING ASSEMBLY
00: -
A drag-reducing assembly for reducing wind drag. The assembly can be used for a variety of different structures, such as telecommunication towers and billboards. The assembly includes a housing

arrangement and a mounting arrangement for mounting the housing arrangement to a support structure. The mounting arrangement allows the housing arrangement to be mounted displaceably to the support structure so that the housing arrangement can move relative to the support structure into a plurality of positions. The housing arrangement is configured such that when the housing arrangement is in a first position and it is subjected to a wind blowing from a first direction, the housing arrangement is displaced into a second position. A drag coefficient of the housing arrangement in the second position, when subjected to the wind from the first direction, is lower than a drag coefficient of the housing arrangement in the first position.

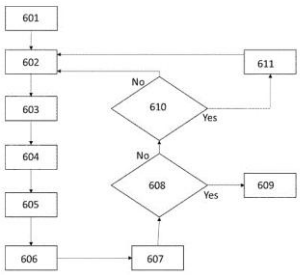


21: 2023/04039. 22: 2023/03/31. 43: 2024/09/12
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: STEFFEN, Fabrice, STURA, Enrico, UTHURRY, Jerome
33: EP 31: 20194709.0 32: 2020-09-04
54: SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF FREQUENCY
00: -
A method is provided of operating an aerosol-generating device for generating aerosol from an aerosol-forming substrate during a usage session. The aerosol-generating device comprises a power supply arranged to supply power to a heater during the usage session; and control electronics for controlling the supply of power from the power supply to the heater. The method comprises using the control electronics to: associate a puff applied in the usage session with a corresponding target operating temperature for the heater based on a cumulative puff count of the applied puff in the usage session and on a time interval between the applied puff and an earlier puff applied in the usage session; and for the applied puff, control the supply of power from the power supply in order to adjust a temperature of the heater to the target operating temperature associated with the applied puff.



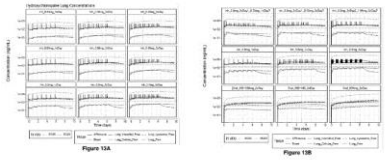
21: 2023/04042. 22: 2023/03/31. 43: 2024/09/26
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: MIRONOV, Oleg, STURA, Enrico
33: EP 31: 20194715.7 32: 2020-09-04
54: SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF VOLUME
00: -
A method is provided of operating an aerosol-generating device for generating aerosol from an aerosol-forming substrate during a usage session. The aerosol-generating device comprises a power supply for supplying power to a heating element to heat the aerosol-forming substrate, and a controller. The method comprises steps of, monitoring a user interaction parameter indicative of use of the aerosol-generating device during the usage session, and using the user interaction parameter as a parameter for controlling temperature of the heating element during the usage session. The method further comprises steps of, monitoring a parameter indicative of aerosol generation during the usage session, analysing the monitored parameter indicative of aerosol generation to identify a user puff, the user puff defined by a puff start and a puff end, analysing the monitored parameter indicative of aerosol generation during the user puff to calculate a puff volume, the puff volume being a volume of

aerosol generated during the user puff, and using the puff volume as the user interaction parameter for controlling temperature of the heater element.

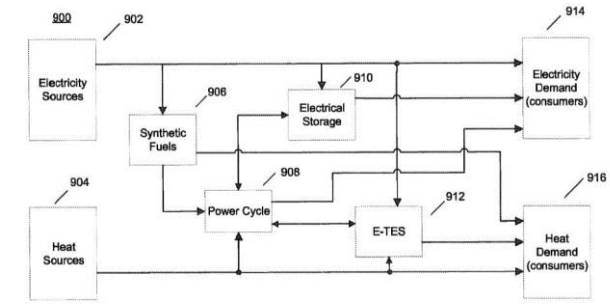


21: 2023/04180. 22: 2023/04/05. 43: 2024/08/08
51: C07D; A61P
71: MIRATI THERAPEUTICS, INC.
72: ANDRES, Patricia, ANDREW, Samuel, CHEN, Cheng Yi, GANCEDO, Susana Del Rio, GHARBAOUI, Tawfik, NELSON, Jennifer
33: US 31: 63/077,553 32: 2020-09-11
33: US 31: 63/093,673 32: 2020-10-19
54: CRYSTALLINE FORMS OF A KRAS G12C INHIBITOR
00: -
The present invention relates to crystalline forms of a KRas G12C inhibitor and salt thereof. In particular, the present invention relates to crystalline forms of the KRas GT2C inhibitor 2-[(2S)- 4-[7-(8-chloro-l-naphthyI)-2-[[(2*S*)-l-methylpyrrolidin-2-yl]methoxy]-6,8-dihydro-5*H*- pyrido[3,4-*d*]pyrimidin-4-yI]-l-(2-fluoroprop-2-enoyi)piperazin-2-yl]acetonitrile, pharmaceutical compositions comprising the crystalline forms, processes for preparing the crystalline forms and methods of use thereof.

21: 2023/04379. 22: 2023/04/12. 43: 2024/09/16
51: A61K; A61P
71: PHILIP MORRIS PRODUCTS S.A.
72: CALVINO, Florian, Alexis, GUY, Philippe Alexandre, HOENG, Julia, KOLLI, Aditya, Reddy, KUCZAJ, Arkadiusz, MAJEED, Shoaib, MAZUROV, Anatoly, PEITSCH, Manuel, VAN DER TOORN, Marco, ZIVKOVIC SEMREN, Tanja
33: EP 31: 20196088.7 32: 2020-09-14
54: PHARMACEUTICAL COMPOSITION COMPRISING HYDROXYCHLOROQUINE AND USES THEREOF
00: -
A pharmaceutical composition comprising hydroxychloroquine or a pharmaceutically acceptable salt thereof, and a solvent, wherein the pharmaceutical composition comprises 1 mg/mLto 400 mg/mL hydroxychloroquine or a pharmaceutically acceptable salt thereof, wherein the solvent is selected from propylene glycol, glycerine, propane-1, 3-d iol and water or combinations thereof and wherein the pharmaceutical composition is for thermal aerosolization. A pharmaceutical composition comprising hydroxychloroquine or a pharmaceutically acceptable salt thereof for use in the treatment or prevention of a viral lung infection, wherein the pharmaceutical composition is administered by oral inhalation.



21: 2023/04384. 22: 2023/04/13. 43: 2024/09/26
51: F28D; H01M
71: MASSACHUSETTS INSTITUTE OF TECHNOLOGY
72: FORSBERG, Charles, STACK, Daniel, C
33: US 31: 63/104,681 32: 2020-10-23
54: ELECTRICALLY CONDUCTIVE FIREBRICK SYSTEM
00: -
A thermal energy storage system includes a firebrick checkerwork and an electrode. The firebrick checkerwork includes one or more conductive firebrick layers, each including a plurality of electrically conductive doped metal oxide firebricks with one or more airflow vents. The electrode includes one or more electrode firebrick layers, each layer including a plurality of electrode firebricks. The firebrick checkerwork is heated due to application of electrical power to the electrode. Air flowing through the firebrick checkerwork may then be heated for use in heat-related applications (e.g., an industrial application, commercial application, residential application, transportation application, etc.) some of which may relate to electricity production or in other applications which may relate to other purposes that require heat that are unrelated to electricity production.



21: 2023/04385. 22: 2023/04/13. 43: 2024/09/19
51: B60D; B62D; E02F
71: SLEIPNER FINLAND OY
72: KORTESALMI, Ossi (DECEASED), MIETTINEN, Joona
33: FI 31: 20205918 32: 2020-09-22

54: TOWING ARRANGEMENT FOR A TOWING VEHICLE, SYSTEM, TRAILER, AND METHOD

00: -

he invention relates to a towing arrangement (10) for a towing earth-moving vehicle (12), the towing earth-moving vehicle (12) comprising a towing point (24) fitted under its chassis (14), which towing arrangement (10) includes a drawbar (26) arranged to be pivoted to the towing vehicle's (12) towing point (24) and a second end (29) comprising the drawbar's (26) towing point (30) for the device (100) to be towed, a first pivot (32) for pivoting the drawbar (26) under the rear axle (20) to the towing vehicle's (12) towing point (24) formed under the towing vehicle's (12) chassis (14), which first pivot (32) is in the transverse direction of the chassis (14), a second pivot (34) fitted to the drawbar's (26) second end (29), which second pivot (34) is vertical and arranged to transmit the load of the trailer (56) being towed rigidly to the first pivot (32), and a third pivot (44), located at one end (28, 29) of the drawbar (26), equipped with a shaft in the towing vehicle's (12) longitudinal direction, thus permitting the device (100) to tilt in the towing vehicle's (12) transverse direction, in which the towing arm (64) is rigidly attached to the drawbar's (26) rearmost pivot (34, 44). The invention also relates to a system, a trailer, and a method.

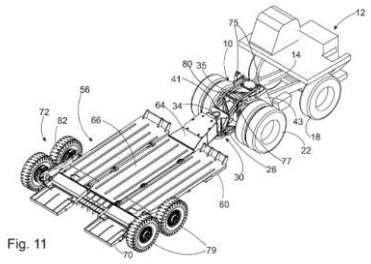


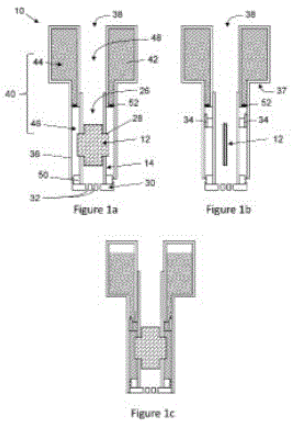
Fig. 11

21: 2023/04457. 22: 2023/04/17. 43: 2024/09/12
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: FREDERICK, Guillaume, ZINOVIK, Ihar, Nikolaevich
33: EP 31: 20197817.8 32: 2020-09-23

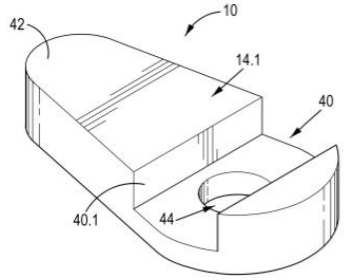
54: AEROSOL-GENERATING SYSTEM WITH HYBRID SUSCEPTOR

00: -

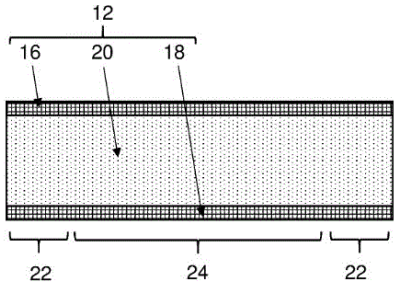
A cartridge (10) for an aerosol-generating system comprising a liquid reservoir (40) for holding a liquid aerosol-forming substrate (42), a susceptor assembly (12) in fluid communication with the liquid reservoir (40), and a susceptor holder (14). The susceptor assembly (12) comprises a susceptor element (16, 18) having a heating region (24) and at least one mounting region (22). The heating region (24) comprises a first material, the first material being a magnetic material heatable by penetration with an alternating magnetic field. The at least one mounting region (22) comprises a second material, the second material being a non-magnetic material. The at least one mounting region (22) of the susceptor element is in contact with the susceptor holder (14). The proportion by weight of the first material in the heating region (24) is greater than the proportion by weight of the first material in the at least one mounting region (22).



21: 2023/04484. 22: 2023/04/18. 43: 2024/08/30
51: B25B
71: STRYDOM, Hendrik Gerhardus
72: STRYDOM, Hendrik Gerhardus
33: ZA 31: 2022/00792 32: 2022-01-18
54: BOLT LOCKS
00: -
The invention relates to a gripping tool configured to engage a bolt, which includes a gripping portion defined by at least two engagement surfaces, which surfaces are shaped and dimensioned to engage with an outer perimeter of the bolt head to resist rotation of the bolt. The gripping surfaces are defined by either a slot on outer surface of the gripping tool or a socket, both operable to engage the bolt head. An aperture is provided on the gripping tool, which aperture is arranged coaxial with an axis of rotation of the gripping portion, for receiving a shaft of the bolt therethrough. Furthermore, a stopper arm extends radially from the gripping portion, for preventing the gripping portion from rotating when a rotation force is exerted on the bolt.

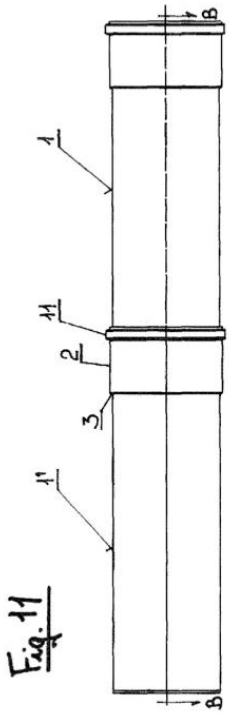


21: 2023/04495. 22: 2023/04/18. 43: 2024/09/19
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: ZINOVIK, Ihar, Nikolaevich, FREDERICK, Guillaume
33: EP 31: 20197780.8 32: 2020-09-23
54: STACKED SUSCEPTOR STRUCTURE
00: -
There is provided an electrically heated aerosol-generating system. The system comprises at least one inductor coil (66); a power supply (72) connected to the at least one inductor coil and configured to provide an alternating current to the at least one inductor coil to generate an alternating magnetic field; a housing (36) containing a reservoir (40) of aerosol-forming substrate (42); and a substantially planar susceptor assembly (12). The susceptor assembly (12) is configured to be heated by the alternating magnetic field and comprises a first susceptor element (16), a second susceptor element (18) and a wicking element (20) in fluid communication with the reservoir (40), the first and second susceptor elements (16,18) being integral with or fixed to the wicking element (20). A space is defined between the first and second susceptor elements (16,18), the wicking element (20) occupying the space and the reservoir (40) being positioned outside the space.

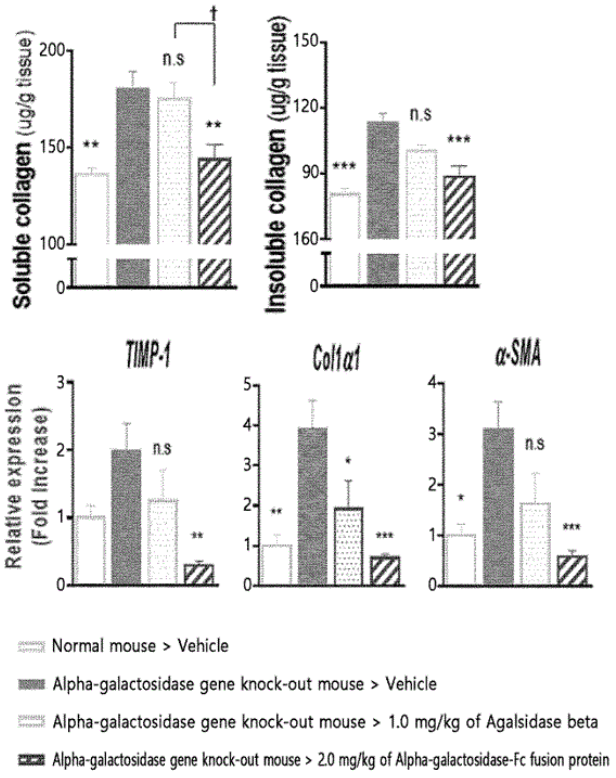


21: 2023/04517. 22: 2023/04/18. 43: 2024/09/19
51: F16L
71: PIPES & FITTINGS EQUFLUIDS S.L.
72: DI LIBERTO, Luca, GRANATA, Giacomo, CERDA', Miguel
33: IT 31: 102020000026242 32: 2020-11-04
54: INTEGRATED JUNCTION SYSTEM FOR TUBULAR FLUID DISTRIBUTION ELEMENTS
00: -
Integrated junction system for tubular fluid distribution elements comprising a tubular element (1) which has, at a first end (2) an enlarged cup shape whose base determines the formation of an annular shoulder (3) inside said tubular element (1), a ring with a suitably shaped section, which is

associated with a second end of said tubular element (1), equipped with a truncated conical or other conveniently shaped protrusion, which abuts on the edge of this second end and with a radial appendix which is associated with the radical end of the tubular element (1), wherein said system in order to join two tubular elements (1,1') of the same type, provides that said second end of the tubular element (1') until the protrusion of the ring comes into contact with the annular shoulder (3) formed inside said tubular element (1').



21: 2023/04534. 22: 2023/04/19. 43: 2024/08/19
51: A61K A61P
71: HANMI PHARM. CO., LTD.
72: CHOI, Jae Hyuk, KIM, Jin Young, PARK, Cho Rong, KIM, Sang Yun, KIM, Jeong, A, JANG, Doo Seo
33: KR 31: 10-2020-0152247 32: 2020-11-13
54: USE OF THERAPEUTIC ENZYME FUSION PROTEIN FOR PREVENTING AND TREATING KIDNEY DISEASE CAUSED OR ACCOMPANIED BY FABRY'S DISEASE
00: -
The present invention relates to a use of a fusion protein of a therapeutic enzyme and an immunoglobulin Fc region, the use being for the prevention or alleviation of a kidney disease caused or accompanied by Fabry's disease.



21: 2023/04762. 22: 2023/04/25. 43: 2024/08/08
51: H04B; H04L; H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: RAMACHANDRA, Pradeepa, REDHWAN, Sakib Bin
33: US 31: 63/112,554 32: 2020-11-11
54: METHODS OF CALCULATING PHYSICAL RESOURCE BLOCK UTILIZATION AND RELATED NETWORK NODES
00: -
A method, network node, and computer program are provided for operating the network node in a communications network. For each of a number (N(T)) of respective samples over a period of time (T), a respective number (M11,j(T)) of physical resource blocks (PRBs) for a first communication device for the respective sample is determined. For each of the number (N(T)) of respective samples over T, a respective number (L1,j(T)) of multiple input multiple output, MIMO, layers scheduled for the first communication device for the respective sample is determined. A PRB usage value is determined for T based on the respective number (M11,j(T)) of

PRBs for the first communication device for each of the number (N(T)) of respective samples over T and based on the respective number (L1,j(T)) of MIMO layers scheduled for the first communication device for each of the number (N(T)) of respective samples over the period of time (T).

Figure 4A

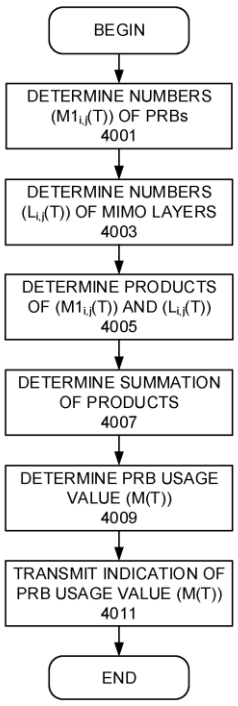
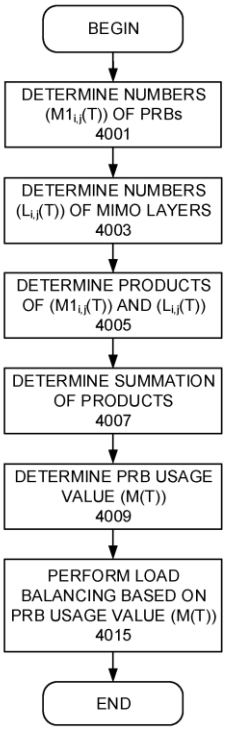


Figure 4B



21: 2023/04769. 22: 2023/04/25. 43: 2024/09/12
51: A61K; A61P
71: ITM ISOTOPE TECHNOLOGIES MUNICH SE
72: MECKEL, Marian, OSL, Theresa, ZHERNOSEKOV, Konstantin
33: EP 31: PCT/EP2020/081143 32: 2020-11-05

54: COMBINATION OF PARA-AMINOHIPPURIC ACID (PAH) AND RADIOLABELED COMPLEXES FOR TREATING CANCER

00: -

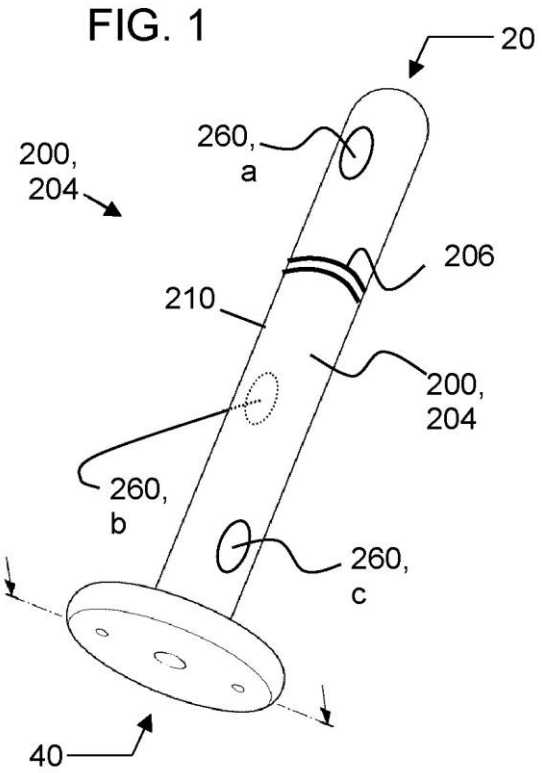
The present invention provides a combination comprising (a) a radiolabeled complex comprising a radionuclide and a targeting molecule linked to a chelating agent, and (b) para- aminohippuric acid (PAH) or a salt or derivate thereof for the treatment of cancer. Moreover, a pharmaceutical composition comprising (a) a radiolabeled complex comprising a radionuclide and a targeting molecule linked to a chelating agent, and (b) para-aminohippuric acid (PAH) or a salt or derivate thereof is provided for the treatment of cancer. The radiolabeled complex and PAH may be used in a combination therapy for the treatment of cancer.

21: 2023/04939. 22: 2023/05/03. 43: 2024/09/27
51: A61B; A61N
71: PELVIRAY IP LTD
72: POPOWSKI, Georg
33: EP 31: 20209522.0 32: 2020-11-24

54: WEARABLE INSERTER FOR REPRODUCABLE ALIGNMENT OF BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT

00: -

Positioning tool (200) for assisting treatment of a subject in an external radiotherapy programme comprising one or more external radiotherapy treatment sessions comprising: an inserter (204) having a proximal (40) and distal (20) end which inserter comprises: an elongated member (210) configured for insertion through an entrance to a canal (602) in connection with bodily tissue (610) of the subject, and provided with an elongated member lumen (214) configured for receiving an effector shaft (310) of a steering guide (300); and a guiding strand (218) for guiding the effector shaft (310) into the lumen (214) from outside the entrance to the canal, wherein the guiding strand (218) is disposed at least partially within the lumen (214) and is restrained at or towards a distal end (20) of the guiding strand (218) to limit or prevent sliding of the guiding strand (218) in a proximal direction relative to the lumen (214), wherein the positioning tool (200) is configured to move and/or fix the canal (602) and the bodily tissue (610) of the subject relative to an ionising radiotherapy beam for the external radiotherapy treatment session.



21: 2023/04943. 22: 2023/05/03. 43: 2024/08/16
51: H02S
71: Array Technologies, Inc.
72: CREASY, Lucas, ANDERSEN, Todd, SHARP, Jon, STOSHAK, James John, SHAH, Sanket, FUSARO, James
33: US 31: 63/093,685 32: 2020-10-19
54: STOWING OF SOLAR POWER DEVICES
00: -
A method may include obtaining a normal set point of a solar panel and a wind velocity measurement corresponding to wind that affects the solar panel. The method may include determining an allowable range of tilt angles according to a first lookup table that describes a relationship between the wind velocity measurement and the allowable range of tilt angles. The method may include identifying whether the normal set point of the solar panel is outside of the allowable range of tilt angles, and responsive to identifying that the normal set point of the solar panel is outside of the allowable range of tilt angles, determining a temporary stow set point. The method may include rotating the solar panel to the temporary stow set point.

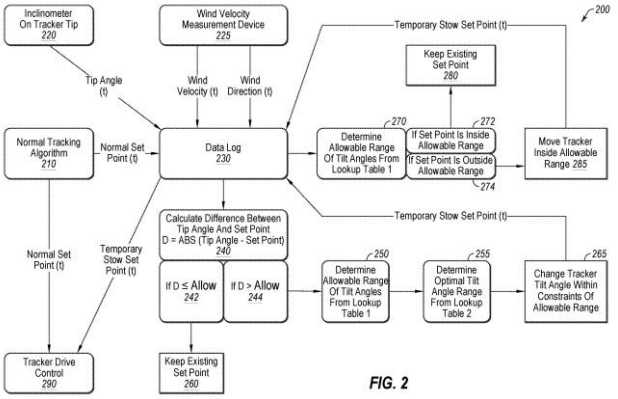
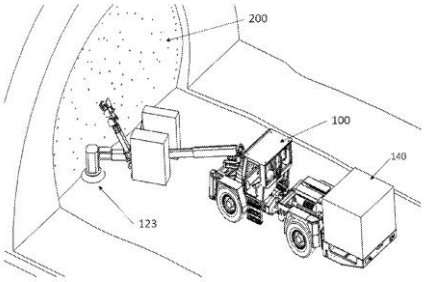


FIG. 2

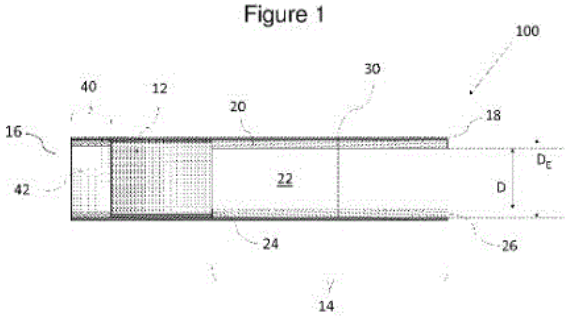
21: 2023/05012. 22: 2023/05/05. 43: 2024/08/20
51: E21D G05D G06K G06T H04N
71: ENAEX SERVICIOS S.A.
72: RUIZ HERNÁNDEZ, Marco, Antonio, MIRANDA LORCA, Rodrigo, BARRIGA MELGAREJO, Jonhatan, LARA MARRO, Gloria del Pilar, MORALES GARRIDO, Danko, Christian, PRADO FIGUEROA, Felipe Andrés
54: SYSTEM AND METHOD FOR THE ROBOTIC LOADING OF EXPLOSIVES IN UNDERGROUND MINING
00: -
Disclosed is a system and a method for the robotic loading of explosives in underground mining, wherein the system can be operated autonomously, semi-autonomously or by remote control. The system comprises: a positioning subsystem comprising means for moving the system by means of autonomous navigation; a subsystem for cleaning a base, which comprises means for removing unwanted elements that may obstruct the operation of loading explosives into boreholes; a subsystem for scanning a loading surface, which comprises detection means for detecting boreholes in a drilled surface and assigning a location for each borehole; a borehole drilling subsystem comprising means for determining physical parameters of each borehole; a priming and loading subsystem comprising means for loading a booster, detonator and other explosive materials, placing them at the bottom of each borehole; a subsystem for loading blasting agents, which comprises means for supplying a blasting agent once the explosives have been placed in each borehole; a borehole-sealing subsystem comprising means for covering each borehole once the explosives have been loaded; a detonation

subsystem comprising means for detonating each borehole loaded with explosives; and a control subsystem that communicates with each of the other subsystems and controls each of the elements for loading and detonating the explosives.

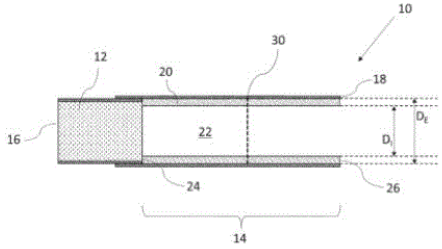


21: 2023/05061. 22: 2023/05/08. 43: 2024/09/12
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: CAMPITELLI, Gennaro, UTHURRY, Jerome
33: EP 31: 20201052.6 32: 2020-10-09
54: AEROSOL GENERATING ARTICLE WITH FRONT END PLUG
00: -
An aerosol-generating article comprises an aerosol-generating substrate (12) and a downstream section (14) extending from a downstream end of the aerosol-generating substrate to a downstream end of the aerosol-generating article. The aerosol-generating article further comprises an upstream section (40) extending from an upstream end of the aerosol-generating substrate to an upstream end of the aerosol-generating article. The ratio of the resistance to draw of the upstream section to the resistance to draw of the downstream section is more than 1, and wherein the resistance to draw of the upstream section is no more than 150 mm H2O.

Figure 1

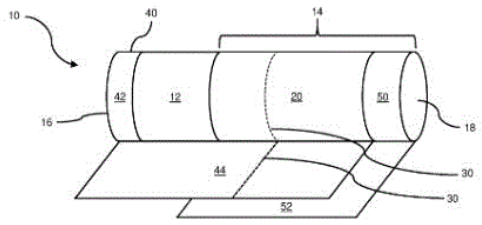


21: 2023/05062. 22: 2023/05/08. 43: 2024/09/12
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: UTHURRY, Jerome
33: EP 31: 20201025.2 32: 2020-10-09
54: AEROSOL-GENERATING ARTICLE WITH NON-HOMOGENISED TOBACCO SUBSTRATE
00: -
An aerosol-generating article (10) for producing an inhalable aerosol upon heating extends from a mouth end to a distal end, and comprises: a rod-shaped aerosol-generating element (12) comprising an aerosol-generating substrate, the aerosol-generating substrate comprising an aerosol-former; and a downstream section (14) at a location downstream of the aerosol- generating element, the downstream section extending from a downstream end of the aerosol- generating element (10) to the mouth end of the aerosol-generating article (10). The downstream section comprises a hollow tubular element (20). A length to diameter ratio of the aerosol-generating element is from about 0.5 to about 3.0. The aerosol-generating substrate comprises tobacco cut filler and an aerosol-former content in the aerosol-generating substrate is at least about 8 percent by weight.



21: 2023/05063. 22: 2023/05/08. 43: 2024/09/12
51: A24D; A24F; A61M
71: PHILIP MORRIS PRODUCTS S.A.
72: UTHURRY, Jerome
33: EP 31: 20201025.2 32: 2020-10-09
33: EP 31: 20201041.9 32: 2020-10-09
33: EP 31: 20201046.8 32: 2020-10-09
33: EP 31: 20201052.6 32: 2020-10-09
33: EP 31: 20201125.0 32: 2020-10-09
33: EP 31: 20201137.5 32: 2020-10-09
54: AEROSOL-GENERATING ARTICLE HAVING A VENTILATED CAVITY AND AN UPSTREAM ELEMENT
00: -
An aerosol-generating article (10) for producing an inhalable aerosol when heated comprises: a rod (12) of aerosol-generating substrate; a downstream

section (14) provided downstream of the rod (12) of aerosol-generating substrate, the downstream section (14) comprising at least one hollow tubular element (20) abutting a downstream end of the rod (12) of aerosol- generating substrate; an upstream element (42) provided upstream of the rod (12) of aerosol- generating substrate and abutting an upstream end of the rod (12) of aerosol-generating substrate, wherein an upstream end of the upstream element (42) defines an upstream end of the aerosol-generating article (10), the upstream element (42) having a length from 3 millimetres to 7 millimetres; and a ventilation zone (30) at a location along the hollow tubular element (20), a distance between the ventilation zone (30) and the upstream end of the upstream element (20) being from 26 millimetres to 33 millimetres.



21: 2023/05074. 22: 2023/05/08. 43: 2024/08/19
51: B65C; F16P
71: Makro Labelling S.r.l.
72: MARCANTONI, Simone, BECCARI, Massimo, VEZZONI, Davide
33: IT 31: 102020000023848 32: 2020-10-09
54: MACHINE FOR TREATING CONTAINERS
00: -
A machine (1) for treating containers comprises a conveyor (2) configured to convey containers along a predetermined operating path (D) which comprises a first protective screen (3) configured to separate the operating path (D) itself from an environment external to the conveyor (2). In particular, the first protective screen (3) has a communication window (4). The machine (1) also comprises a treatment unit (5) having at least one treatment member (6) which extends in a cantilever fashion towards the conveyor (2) through the communication window (4). Furthermore, the machine (1) comprises a second protective screen (7) interposed between the conveyor (2) and the conveyor treatment unit (5) at the communication window (4). The second protective screen (7) comprises a first and a second covering element (8, 9) mutually movable along a longitudinal direction, preferably vertical, between a completely open position, in which they are distanced from one another, and a neared position, in which they are arranged closer to one another with respect to the completely open position.

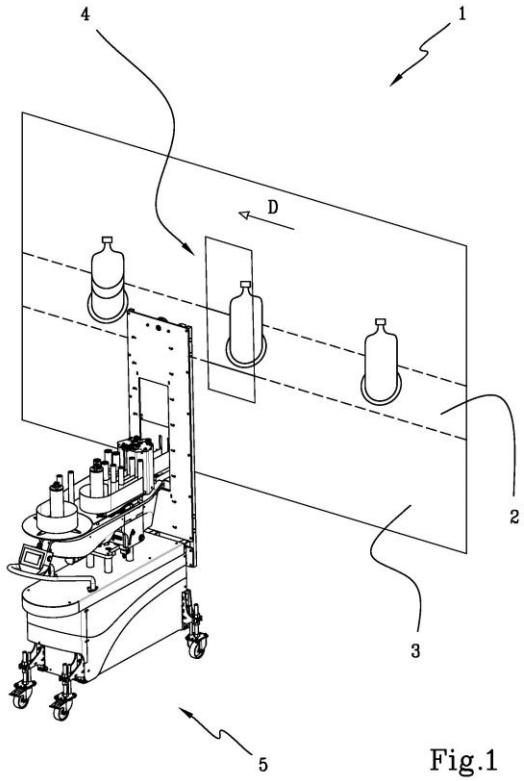
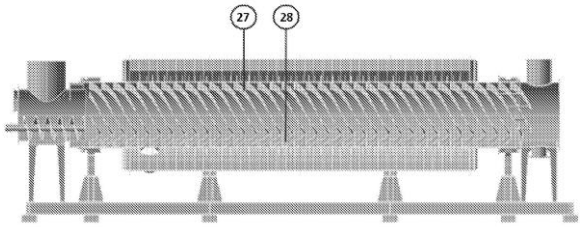


Fig.1

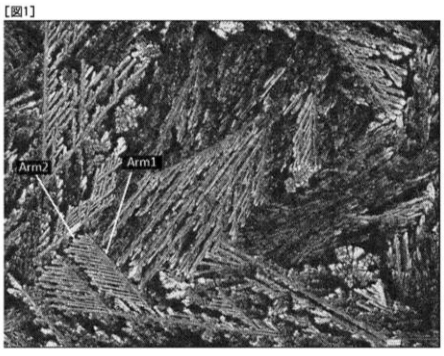
21: 2023/05075. 22: 2023/05/08. 43: 2024/08/19
51: B01F; B01J; F27B
71: Tecnored Desenvolvimento Tecnologico S.A.
72: BRASIL, Ludmila Lopes Nascimento, DE OLIVEIRA, Ronald Lopes, GONÇALVES, Guilherme Francisco, SOARES, Álvaro Guedes, FRÓIS, Fabrício Tinôco, DA SILVA, Ezequiel, POTTER, Stephen Michael
33: BR 31: 102020022740-8 32: 2020-11-09
54: SYSTEM OF INTERNALLY BACKMIXING THE REACTIVE MASS IN A ROTATING CYLINDER REACTOR
00: -
The present invention relates to a system for backmixing the reactive mass in rotating cylinder reactors. Within this context, the present invention provides a system for internally backmixing the reactive mass in a rotating cylinder reactor (2), comprising a first set of drag baffles (27) designed to

drag the reactive mass in a first direction, and a second set of drag baffles (28) designed to drag the reactive mass in a second direction opposite to the first direction, the first (27) and second (28) sets of drag baffles being internally positioned over the whole length of the rotating cylinder reactor (2). The system described above allows part of the reactive mass from a more advanced stage of the reactor to be mixed with another from a previous processing stage, homogenizing the temperature of the reactive mass and increasing the productivity of the reactor.



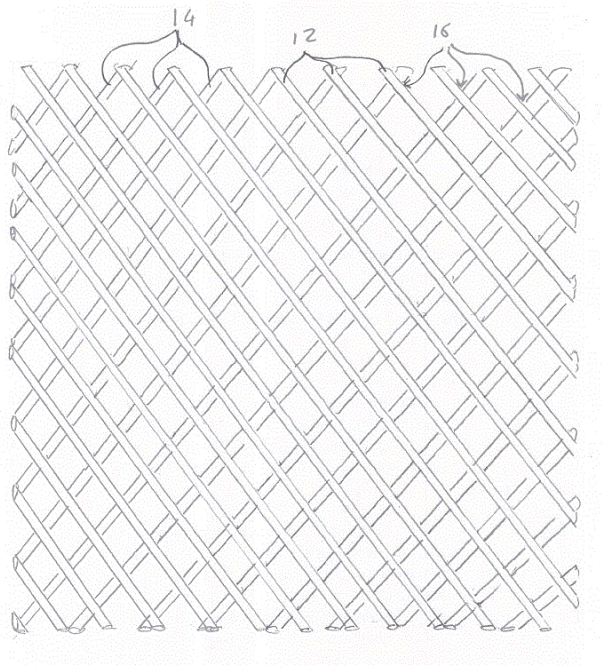
21: 2023/05077. 22: 2023/05/08. 43: 2024/08/07
51: C22C; C23C
71: NIPPON STEEL CORPORATION
72: SAITO, Mamoru, GOTO, Yasuto
33: JP 31: 2020-176669 32: 2020-10-21
54: COATED STEEL PRODUCT
00: -

This plated steel material comprises a steel material and a plating layer which includes a Zn-Al-Mg alloy layer arranged on the surface of the steel material, wherein the plating layer has a prescribed chemical composition. On the surface of the Zn-Al-Mg alloy layer, there are dendritic $MgZn_2$ phases with a surface roughness Sa of less than or equal to 50 nm; the surface area ratio of said dendritic $MgZn_2$ phases with the surface roughness Sa of less than or equal to 50 nm is 30%-80% in a 5 mm^2 observation field of view; and, of the dendritic $MgZn_2$ phases with the surface roughness Sa less than or equal to 50 nm, the number of dendritic $MgZn_2$ phases that have a surface area of greater than or equal to 0.1 mm^2 is 5-100 within in a 25 mm^2 observation field of view.



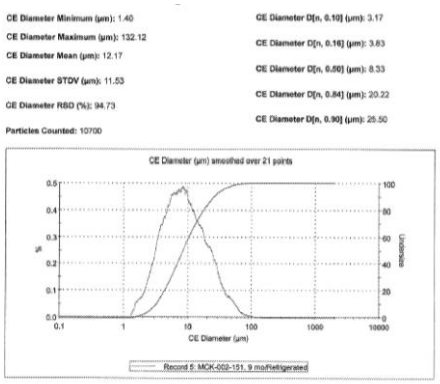
21: 2023/05109. 22: 2023/05/09. 43: 2024/08/20
51: A01G A01H A01B A01D
71: SMIT, Hendrik, Jacobus
72: SMIT, Hendrik, Jacobus
33: ZA 31: 2022/04758 32: 2022-04-29
54: LINER FOR FRESH PRODUCE TRANSPORTATION BINS
00: -

The invention provides a liner for a fresh produce transportation bin, box or crate of various dimensions, which liner includes stabilised expanded polyethylene meshed sheets of which the open area of the mesh ranges from 10% to 50%, in plan view. The invention also relates to a method of protecting fresh produce, method om manufacturing a liner and a system for transporting fresh produce.

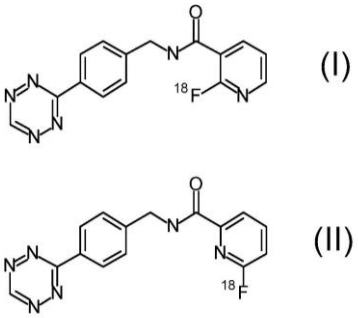


21: 2023/05222. 22: 2023/05/11. 43: 2024/09/10
51: A61K; A61P
71: AFT PHARMACEUTICALS LIMITED
72: ATKINSON, Hartley
33: AU 31: 2020277132 32: 2020-11-24
54: A RAPAMYCIN COMPOSITION
00: -

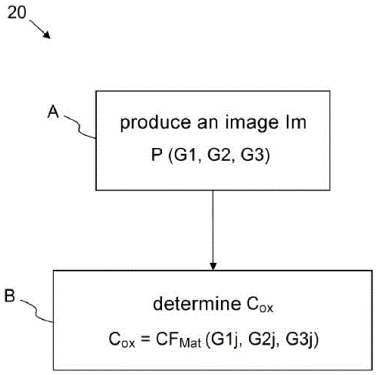
Rapamycin is a known medicinally therapeutic substance. A problem with Rapamycin is that it is quite unstable and prone to chemical degradation during storage. This can lead to medication becoming 'under strength' during its shelf life. It is an object of the invention to go at least some way towards addressing this. The invention is a composition for topical treatment, comprising rapamycin as active ingredient; vehicle comprising monolaurin, for example as glyceryl monolaurate and monomyristin, for example as glyceryl monomyristate; and water as a solvent.



21: 2023/05304. 22: 2023/05/15. 43: 2024/08/21
51: A61K; C07B; C07D
71: Eli Lilly and Company
72: CAGNOLINI, Aldo, HOYE, Adam Thomas, LI, Ximin, WRIGHT, Justin Patrick, XIONG, Hui
33: US 31: 63/126,100 32: 2020-12-16
54: PRETARGETING IMAGING AGENTS
00: -
The present invention provides novel compounds: (I), and (II) methods of making such compounds, methods of using such compounds for pretargeted imaging, and preparations of formulations for such use.

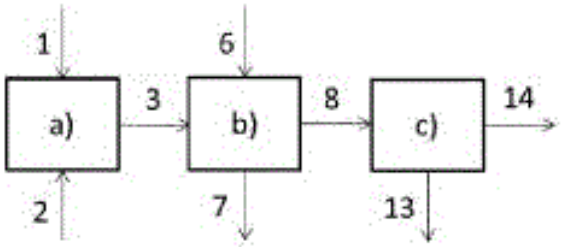


21: 2023/05311. 22: 2023/05/11. 43: 2024/08/21
51: G01N; G06T
71: Commissariat à l'Energie Atomique et aux Energies Alternatives
72: DELACROIX, Timothée, GARANDET, Jean-Paul, MASKROT, Hicham, SCHUSTER, Frédéric, LOMELLO, Fernando
33: FR 31: 2204524 32: 2022-05-12
54: CHARACTERISATION OF A BED OF METAL POWDER BY COLORIMETRY
00: -
The invention concerns a method (20) for determining an oxygen concentration (Cox) of a powder (MP) of a metallic material (Mat) taking the form of a powder bed (PB), said method comprising steps consisting in:A) Producing an image (Im) of at least a part of said powder bed, said image comprising a set of pixels (P), a pixel having a colour coded in accordance with a colorimetric code comprising three quantities (G1, G2, G3),B) Determining the oxygen concentration of the powder from values of said three quantities associated with pixels of the image using a predefined calibration function (CFMat), a function of said material, and linking said oxygen concentration and said three quantities.

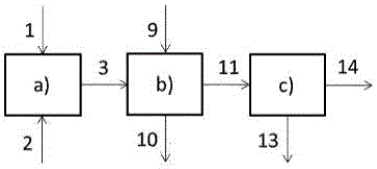


21: 2023/05322. 22: 2023/05/16. 43: 2024/09/19
51: B29B; C08J
71: IFP ENERGIES NOUVELLES
72: LEINEKUGEL LE COCQ, Damien, WEISS, Wilfried, AHMADI-MOTLAGH, Amir Hossein, HAROUN, Yacine
33: FR 31: FR2013160 32: 2020-12-14
54: METHOD FOR TREATING USED PLASTICS BY DISSOLVING THE POLYMERS AND PURIFYING THEM BY WASHING
00: -
The invention relates to a method for treating a plastic feedstock containing polymers, comprising: a) a dissolution step that comprises bringing the plastic feedstock into contact with a dissolving solvent, at a dissolution temperature between 100°C and 300°C and a dissolution pressure between 1 and 20.0 MPa abs, in order to dissolve at least part of the polymers of the plastic feedstock and obtain a crude polymer solution; b) a step of washing by placing the crude polymer solution in contact with a dense solution, at a temperature between 100°C and 300°C, a pressure between 1 and 20.0 MPa abs. and at a mass ratio between the dense solution and the crude polymer solution of between 0.05 and 20.0, in

order to obtain a washed polymer solution and a washing effluent; and then c) a step of recovering the polymers, in order to obtain a solvent fraction and a fraction of purified polymers.



21: 2023/05323. 22: 2023/05/16. 43: 2024/09/19
51: B29B; C08J
71: IFP ENERGIES NOUVELLES
72: LEINEKUGEL LE COCQ, Damien, WEISS, Wilfried, SIBEAUD, Mathilde, AUGIER, Frederic
33: FR 31: FR2013159 32: 2020-12-14
54: METHOD FOR TREATING WASTE PLASTICS BY POLYMER DISSOLUTION AND PURIFICATION BY EXTRACTION
00: -
Disclosed is a method for treating a plastic feedstock, the method including: (a) a dissolution step comprising bringing the plastic feedstock into contact with a dissolution solvent, at a dissolution temperature between 100°C and 300°C and a dissolution pressure between 1 and 20.0 MPa abs. so as to dissolve at least a portion of the polymers of the plastic feedstock and obtain a crude polymer solution; (b) an extraction step of bringing the crude polymer solution into contact with an extraction solvent, at a temperature between 100°C and 300°C, a pressure between 1 and 20.0 MPa abs. and a mass ratio of the mass flow rate of the extraction solvent and the mass flow rate of the crude polymer solution between 0.05 and 20.0, to obtain an extracted polymer solution and a spent solvent; then (c) a step of recovering the polymers, so as to obtain a solvent fraction and a purified polymer fraction.

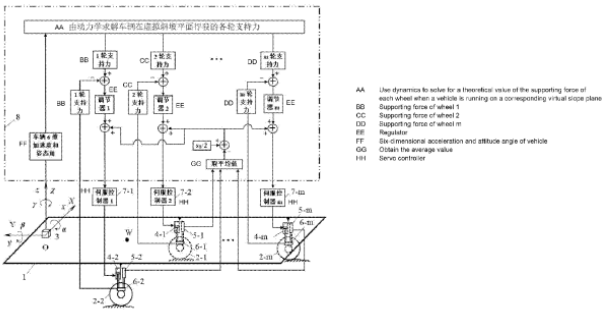


21: 2023/05363. 22: 2023/05/17. 43: 2024/08/21
51: A61K; A61Q
71: Colgate-Palmolive Company
72: DOGO-ISONAGIE, Cajetan, FEI, Lin, CHOPRA, Suman, GRONLUND, Jennifer
54: PEROXYMONOSULFATE TOOTHPOWDER COMPOSITION FOR TENACIOUS STAINS
00: -
A solid oral care composition, e.g., a tablet or powder, comprising an alkali metal peroxymonosulfate as an effective bleaching agent for the bleaching of tenacious tooth stains, such as tobacco stains and coffee stains.

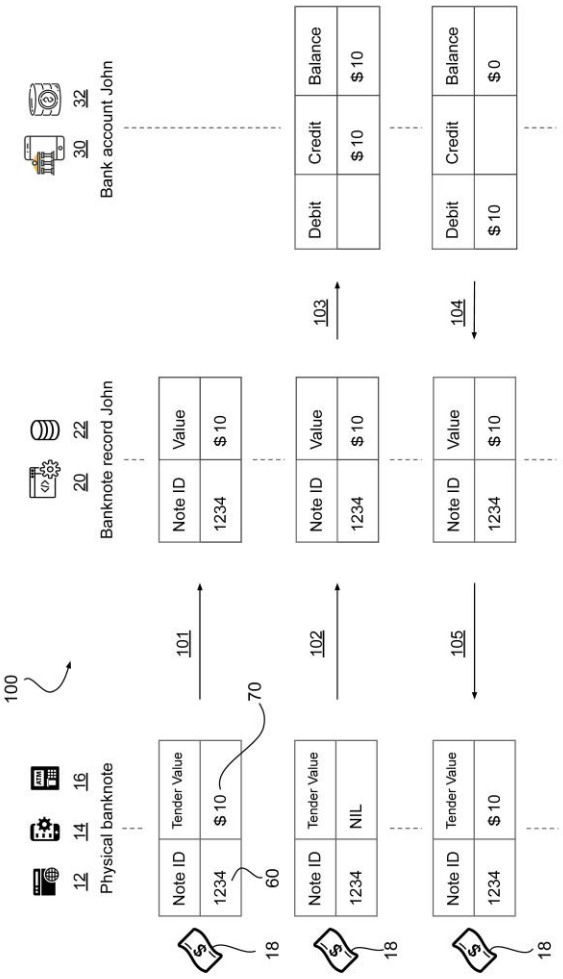
21: 2023/05372. 22: 2023/05/17. 43: 2024/08/21
51: C01B C08K C08L
71: EVONIK OPERATIONS GMBH
72: WEHMEIER, André, MASCHKE, Dominik, OCHENDUSZKO, Agnieszka
33: EP 31: 20204259.4 32: 2020-10-28
54: PRECIPITATED SILICIC ACIDS, PROCESS FOR THEIR PREPARATION AND USE THEREOF
00: -
The invention relates to precipitated silicic acids, with the following physico-chemical parameters CTAB surface ≤ 115 m^2/g, DOA ≥ 130 ml / (100 g), RoTap > 300 µm ≥ 86 %, V (d5 - d50) / V (d5 - d100) < 0,66. The precipitated silicic acids are prepared by a) providing an aqueous solution of an organic and/or inorganic salt and/or of an alkali silicate or alkaline earth silicate and/or of an organic and/or inorganic base with a pH ≥ 9, b) simultaneously metering water glass and an acidifier into the feed stock while stirring at 80 - 98 °C for 60 - 120 minutes, c) stopping the addition of water glass and acid only being metered into the feed stock in lower quantities than before to obtain a pH of the mix (measured at 60 °C) of 9.0 - 10.0, d) then stirring the mix for 45 min at up to 200 min at a high temperature > 85 °C, without however adding more reactants, e) acidifying with sulphuric acid to a pH of approximately 3.5 - 4.5 (measured at 60 °C) and f) filtering, drying to a drying loss < 8 % and subsequently granulating the mix. The silicic acids

according to the invention can be used in the preparation of rubber blends, in particular for producing tires, cable sheaths, hoses, drive belts, conveyor belts, roll coverings, shoe soles, sealing elements and damping elements.

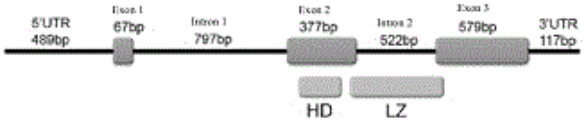
21: 2023/05376. 22: 2023/05/17. 43: 2024/08/21
51: B60G
71: YANSHAN UNIVERSITY
72: ZHAO, Dingxuan, LIU, Shuang, GONG, Mingde, ZHANG, Zhuxin, SUN, Zhiguo, YANG, Bin
33: CN 31: 202110714847.6 32: 2021-06-26
54: VEHICLE ACTIVE SUSPENSION INERTIA REGULATION METHOD BASED ON WHEEL SUPPORTING FORCE, AND CONTROL SYSTEM
00: -
Disclosed are a vehicle active suspension inertia regulation method based on wheel supporting force, and a control system, comprising inner loop control and outer loop control: for inner loop control, according to the six-dimensional acceleration and attitude angle of a vehicle as measured by an inertial measurement unit, using dynamics to solve for a theoretical value of the supporting force of each wheel when the vehicle is running on a corresponding virtual slope plane, comparing the theoretical values with the actual values of the supporting forces of the wheels, and, according to the difference values therebetween, controlling each suspension cylinder to extend and retract, so that the supporting forces of the wheels change according to the theoretical values; for outer loop control, controlling the suspension cylinders to extend or retract by the same amount of displacement, so that the average stroke value of all of the suspension cylinders approaches the median value. The present invention can significantly improve the smoothness and operating stability of a vehicle running on an uneven road surface.



21: 2023/05419. 22: 2023/05/18. 43: 2024/08/30
51: G06K; G07D; G06Q
71: Safe Take Cash (Pty) Ltd.
72: VAN DER MERWE, Alwyn
33: ZA 31: 2020/05124 32: 2020-08-19
54: CURRENCY CONVERSION SYSTEM AND METHOD
00: -
A currency conversion method which includes the steps of capturing a unique banknote identifier and banknote monetary value of a banknote; detaching the monetary value of the banknote by converting the banknote monetary value into a digital monetary value such that use of the banknote may be suspended; and restoring the banknote monetary value by reverse conversion of the digital monetary value to the banknote monetary value such that use of the banknote may be reinstated.



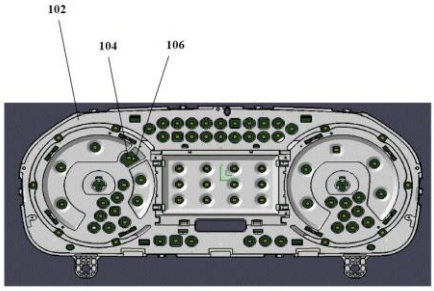
21: 2023/05461. 22: 2023/05/19. 43: 2024/08/08
51: C12N; A01H
71: GUIZHOU TOBACCO SCIENCE RESEARCH INSTITUTE
72: BO, LEI, HUINA, ZHAO, KAI, ZHANG, JING, YU, BING, WANG, CHAOYING, JIANG, KAI, CAI, JIE, ZHANG, CHUANFANG, WAN, CAIRUI, CHEN, SHIXI, LI
33: CN 31: 2022111571769 32: 2022-09-22
54: APPLICATION OF TOBACCO TRANSCRIPTION FACTOR NTHB6
00: -
Disclosed is an application of a tobacco transcription factor NtHB6. The nucleotide sequence of a coding region of the NtHB6 is shown in SEQ ID NO.3. The tobacco transcription factor NtHB6 increases the content of a nitrogen-containing compound, such as phenylalanine, glutamine, spermidine, isoleucine, glutamic acid, valine, and the like, in tobacco leaves through positive regulation to provide more highly active reaction substrate amino acids for Maillard reaction, thereby improving the quality of tobacco leaves. Moreover, the growth period of tobacco plants is shortened, which is of great significance to the quality breeding of tobacco plants.



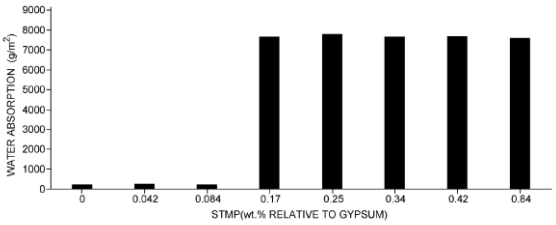
21: 2023/05501. 22: 2023/05/22. 43: 2024/09/19
51: B01D; B01J; C07C; C10G; C10L
71: IFP ENERGIES NOUVELLES
72: LEGAGNEUX, Nicolas, MARION, Marie-Claire, BARTHELET, Karin
33: FR 31: FR2013848 32: 2020-12-21
54: METHOD FOR CAPTURING SILICON AT LOW HOURLY SPACE VELOCITY
00: -
The present invention relates to a method for capturing siliceous compounds in a gaseous or liquid feedstock, comprising bringing the feedstock into contact with a capture mass with a liquid hourly space velocity (LHSV) of less than 5 h -1 or a gas hourly space velocity (GHSV) of less than 500 h-1.

21: 2023/05583. 22: 2023/05/24. 43: 2024/08/19
51: B60K
71: MAHINDRA & MAHINDRA LIMITED
72: MEGHNATHAN, Kumar, PRABAKARAN, Palanivelu, VK, Karthikeyan, SHANMUGAM N, Stanly, KUMAR T, Praveen
33: IN 31: 202241029878 32: 2022-05-24
54: UNIVERSAL INSTRUMENT CLUSTER ASSEMBLY FOR VEHICLES AND A METHOD THEREOF
00: -
The embodiments herein achieve a universal instrument cluster compatible for all types of vehicle engines. The embodiments herein achieve the universal instrument cluster compatible for one of a petrol engine, a diesel engine, a compressed natural gas (CNG) engine and a multi-fuel engine thereby making the management of inventory easier. Furthermore, the embodiments herein achieve the universal instrument cluster which eliminates the need of manufacturing separate instrument clusters for different type of vehicle engines. Additionally, the embodiments herein achieve the universal instrument cluster which can be configured for

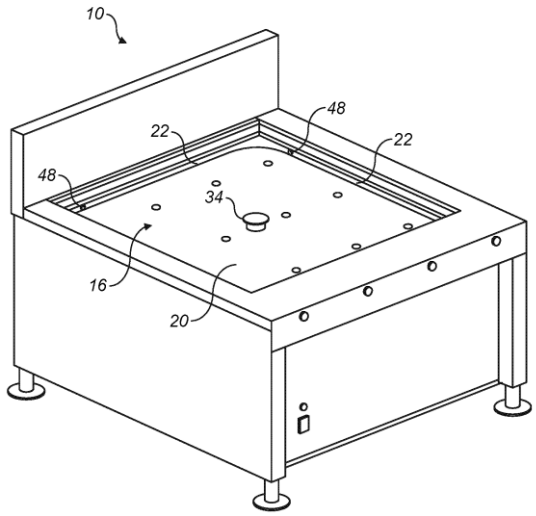
selective predefined color illumination to represent red bands for the petrol engine and the diesel engine.



21: 2023/05598. 22: 2023/05/24. 43: 2024/09/26
51: C04B
71: SAINT-GOBAIN CONSTRUCTION PRODUCTS UK LIMITED
72: WAKEFIELD, Richard, JONES, Nicholas, RIDEOUT, Jan, BROOKS, Laura, PARMAR, Maike
33: GB 31: 2020269.3 32: 2020-12-21
54: A PLASTERBOARD, A STUCCO SLURRY, USE OF A STUCCO SLURRY AND A PARTITION
00: -
The present application describes a plasterboard comprising gypsum, sodium trimetaphosphate in an amount from 0.04 wt.% to below 0.17 wt.% relative to the gypsum, and fluidiser in an amount of 0.42 wt.% to 0.76 wt.% inclusive relative to the gypsum. The present application further describes a stucco slurry, use of the stucco slurry and a partition.



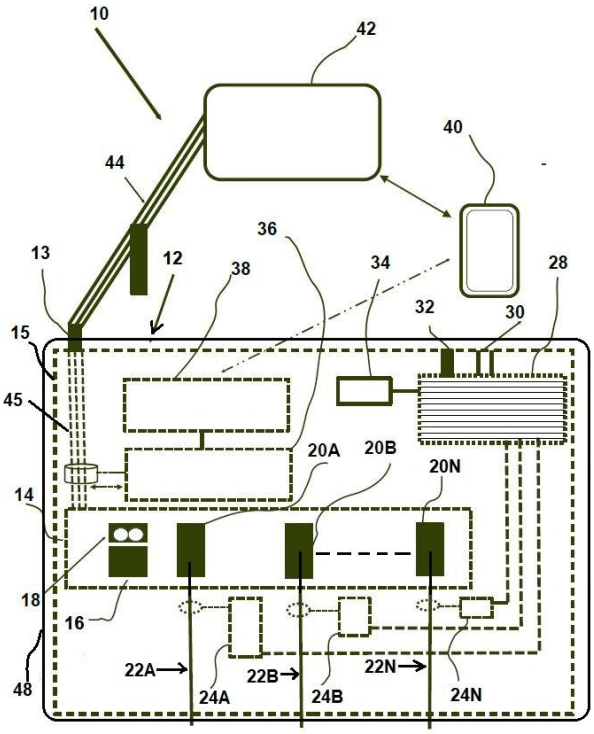
21: 2023/05637. 22: 2023/05/25. 43: 2024/09/12
51: A47J
71: ACTIVE FOOD SYSTEMS LIMITED
72: CADBURY, George Justin Peter, EDWARDS, Andrew Norman, O'ROURKE, Sam
33: GB 31: 2017147.6 32: 2020-10-29
33: GB 31: 2103717.1 32: 2021-03-17
54: ELECTRIC GRILL
00: -
An electric grill (10) comprises a heating platform (20), side walls (22), and grill bars (14) spaced above the heating platform (20), together defining a heating chamber (16). The heating platform (20) is heated electrically. A first air supply (34) delivers pressurised air evenly across the heating platform (20) from a central location. A second air supply (48) directs airflow along the side walls (22) to create a vortex of air flowing around the first air supply (34). The forced airflow provides for fuller combustion of fats and oils from foodstuffs being cooked so that no fat tray is required.



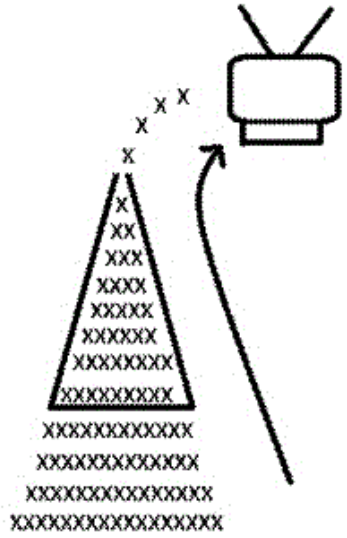
21: 2023/05691. 22: 2023/05/26. 43: 2024/09/19
51: C10G
71: IFP ENERGIES NOUVELLES, REPSOL S.A.
72: WEISS, Wilfried, DECOTTIGNIES, Dominique, BONNARDOT, Jérôme, RIBAS SANGÜESA, Iñigo, ESCUDERO CASTEJON, Lidia
33: FR 31: FR2100026 32: 2021-01-04
54: METHOD, INCLUDING A HYDROGENATION STEP, FOR TREATING PLASTIC PYROLYSIS OILS
00: -
The present invention relates to a method for treating a plastic pyrolysis oil, comprising: (a) selectively hydrogenating said feedstock in the presence of at least hydrogen and at least one hydrogenation catalyst at an average temperature between 140 and 340°C, the temperature on exit from step (a) being higher than the temperature on entry to step (a) by at least 15°C, so as to obtain a hydrogenated effluent; (b) hydrotreating said hydrogenated effluent in the presence at least of hydrogen and at least one hydrotreatment catalyst so as to obtain a hydrotreated effluent, the average

temperature of step (b) being higher than the average temperature of step (a); (c) separating said hydrotreated effluent in the presence of an aqueous stream, at a temperature between 50 and 370°C, so as to obtain at least one gaseous effluent, a liquid aqueous effluent and a liquid hydrocarbon effluent.

21: 2023/05736. 22: 2023/05/29. 43: 2024/10/10
51: H02B
71: ZOLA IVAN LENA
72: ZOLA IVAN LENA
54: A SMART ELECTRICAL SWITCH BOARD
00: -
An electrical switch board having circuit breakers operable via touchscreen, and capable of communicating with a remote power generator to request electricity usage information and electricity allocation.

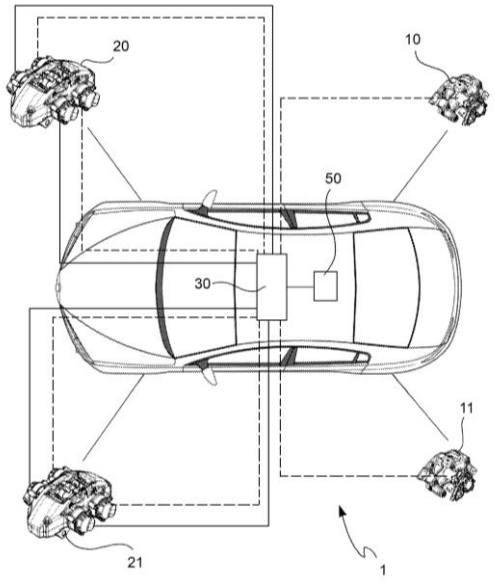


21: 2023/05879. 22: 2023/06/01. 43: 2024/08/13
51: G06Q
71: BAKER, SCOTT
72: BAKER, SCOTT
54: MEDIA PROCESSING METHODS AND SYSTEMS
00: -
A media content processing method comprises submission of a broadcast to the computer or server of a receiving entity, which is coded in a neutral manner such that the creator and related identifying information is not identifiable for several purposes. The material is reviewed based on qualitative evaluation thereof by a plurality of independent reviewers who do not have access to the identifying information, and some of the material is selected based on the qualitative evaluation of the reviewers. The selected material is broadcast according to a predetermined schedule, and may also be placed in a content library for viewer access. Advertising is associated with the material selected during the broadcast thereof to generate revenue. The creator of the work is paid based on the revenues generated by the advertising associated with the material.

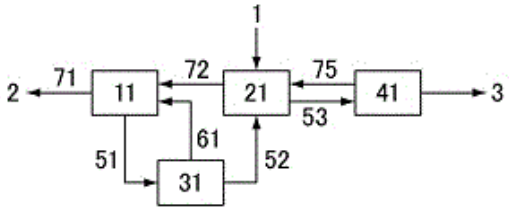


21: 2023/05881. 22: 2023/06/01. 43: 2024/09/11
51: B60T
71: BREMBO S.P.A.
72: MILANESI, Andrea, SZEWCZYK, Beniamin, CIOTTI, Alessandro, SALA, Paolo
33: IT 31: 102020000027071 32: 2020-11-12
54: PARKING-BRAKING ASSEMBLY AND METHOD
00: -
The invention relates to a parking-braking assembly (1) of a motor vehicle (2), comprising: at least one first brake caliper (10) associated with a wheel (3) of the rear axle (5) of said vehicle (2); at least one further first brake caliper (11) associated with a wheel (4) of the front axle (6) of said vehicle (2); wherein all the brake calipers (10, 11, 20, 21) of the braking system (1) of the vehicle (2) are electro-

actuated brake calipers to avoid hydraulic braking devices and circuits on the vehicle (2); in which both said brake caliper (10) and said further said first brake caliper (11) are at least also parking brake calipers.

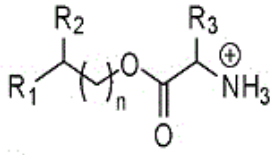


21: 2023/05911. 22: 2023/06/02. 43: 2024/08/13
51: B01D; C07C; C07B
71: NIPPON SHOKUBAI CO., LTD.
72: ARAI, SHOGO, MUKAE, MASASHI, WADA, HIROKI, FUKUMOTO, TOSHIYA, MATSUDA, TAKAYUKI, SAKAI, TOYOFUMI
33: JP 31: 2020-193566 32: 2020-11-20
54: PURIFICATION DEVICE
00: -
The present invention relates to a compound purification device having a crystallizer in which N crystallization tanks are connected in series, and a cleaning column for forcibly transporting crystals, wherein the cleaning column has a line for delivering products and a line for returning a mother liquid to an N-th crystallization tank, and the crystallizer has: a line for supplying slurry from the N-th crystallization tank to the cleaning column; a line for feeding slurry from a downstream crystallization tank to an one upstream crystallization tank via a solid-liquid separator; a line for returning, to the original crystallization tank, the mother liquid in which the crystal has been removed in the solid-liquid separator; and a line including, as a line for feeding the mother liquid from the upstream crystallization tank to each of the first to N-1th crystallization tanks, at least one among a line for directly feeding the mother liquid from one upstream crystallization tank and a line for feeding the mother liquid from one upstream crystallization tank via the solid-liquid separator, and further has a line for feeding the mother liquid to the outside of the purification device. The present invention can obtain a compound with high purity and at high yield and low cost.

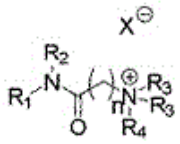


21: 2023/05945. 22: 2023/06/05. 43: 2024/08/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BARFOOT, RICHARD JONATHAN, MENDOZA FERNANDEZ, CESAR ERNESTO, SIMON, AMELIE LAURA
33: EP 31: 20216222.8 32: 2020-12-21
54: HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION
00: -
A composition comprising:a composition comprising:(i) 0.01 to 10 wt % of a branched or dialkyl cationic conditioning surfactant; selected from Structures 1, 2 and 3: wherein: - R_1 and R_2 comprise linear alkyl chains, saturated or unsaturated, with carbon-carbon chain lengths of from C_4 to C_{20}, preferably from C_6 to C_{18}; - R_3 comprise either a proton or linear or branched alkyl chains, saturated or unsaturated, with carbon-carbon chain lengths of from C_1 to C_5; preferably from C_1 to C_3 - n has a range of from 0 to 10, preferably selected from 0 and 1; and - X^- is an organic or inorganic anion; Structure 2 wherein: - R_1 and R_2 comprise linear or branched alkyl chains, saturated or unsaturated, with carbon-carbon chain lengths of from C_6 to C_{22}; preferably from C_6 to C_{12}; - n has a range of from 1 to 6;- R_3 comprises an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2;- R_4 comprises a proton or an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2; and - X^- is an organic or inorganic anion;and; Structure 3 wherein: - R_1 and R_2 comprise linear or branched alkyl chains, that are

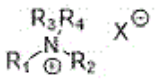
saturated or non-5saturated, with carbon-carbon chain lengths of from C_4 to C_{20}, preferably from C_6 to C_{18} and that optionally comprise at least one group selected from an ester group, an amide group and an ether group;- R_3 comprises an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2; - R_4 comprises a proton or an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2; and - X^- is an organic or inorganic anion;(ii) 0.01 to 10 wt % of a linear cationic surfactant; (iii) 0.1 to 10 wt % of a linear fatty material; (iv) 0.1 to 5 wt % of a structurant; and(v) a particulate benefit agent selected from conditioning actives;wherein the molar ratios of branched or dialkyl cationic conditioning surfactants (i) to linear fatty material (ii) are in the range of from 1:10 to 1:1, most preferably 1:5 to 1:2.wherein the molar ratio of branched or dialkyl cationic surfactant (i) to linear fatty material (iii) are in the range of from 1:20 to 1:1, preferably from 1:10 to 1:1, most preferably 1:5 to 1:2, results in improved particulate benefit agent deposition onto bleached hair.



Structure 1



Structure 2



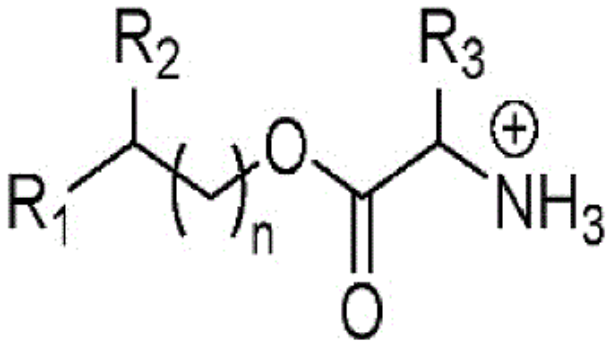
Structure 3

21: 2023/05946. 22: 2023/06/05. 43: 2024/08/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BARFOOT, RICHARD JONATHAN, MENDOZA FERNANDEZ, CESAR ERNESTO, SIMON, AMELIE LAURA
33: EP 31: 20216225.1 32: 2020-12-21

54: HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION

00: -

A composition comprising: • (i) 0.01 to 10 wt % of a branched cationic conditioning surfactant selected from structure 1 • wherein: • • R_1 and R_2 comprise linear alkyl chains, saturated or unsaturated, with carbon-carbon chain lengths of from C_4 to C_{20}; • • R_3 comprise either a proton or linear or branched alkyl chains, saturated or unsaturated, with carbon-carbon chain lengths of from C_1 to C_5; • • n has a range of from 0 to 10; • • X^G is an organic or inorganic anion; • (ii) 0.1 to 10 wt % of a linear fatty material having at least one linear carbon-carbon chain, selected from a linear fatty alcohol, a linear alkoxylated fatty alcohol, a linear fatty acid and mixtures thereof; • (iii) 0.1 to 5 wt % of a nonionic structurant; and • (iv) a particulate benefit agent selected from conditioning actives; wherein the molar ratio of branched cationic surfactants (i) to linear fatty material (ii) is in the range of from 1:20 to 1:1, results in improved particulate benefit agent deposition onto bleached hair. A preferred structurant is hydroxyethyl cellulose and preferred conditioning actives are silicone emulsions.



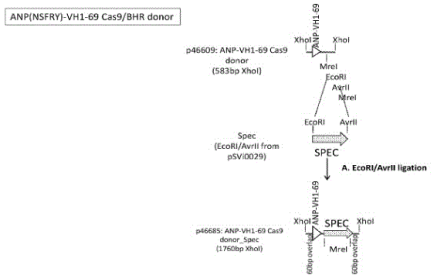
21: 2023/05999. 22: 2023/06/06. 43: 2024/09/19
51: C07K
71: REGENERON PHARMACEUTICALS, INC.
72: MASTAITIS, Jason, MURPHY, Andrew J., MCWHIRTER, John, VORONINA, Vera, GROMADA, Jesper
33: US 31: 63/129,893 32: 2020-12-23
33: US 31: 63/219,402 32: 2021-07-08

54: NUCLEIC ACIDS ENCODING ANCHOR MODIFIED ANTIBODIES AND USES THEREOF

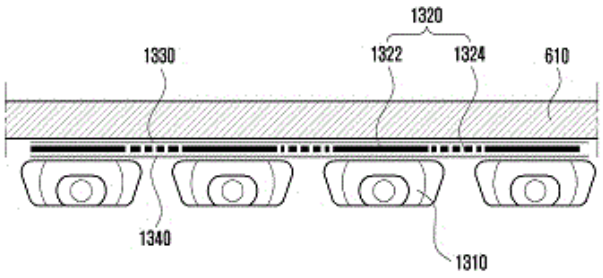
00: -

Described herein are anchor-modified immunoglobulin polypeptides, wherein the anchor

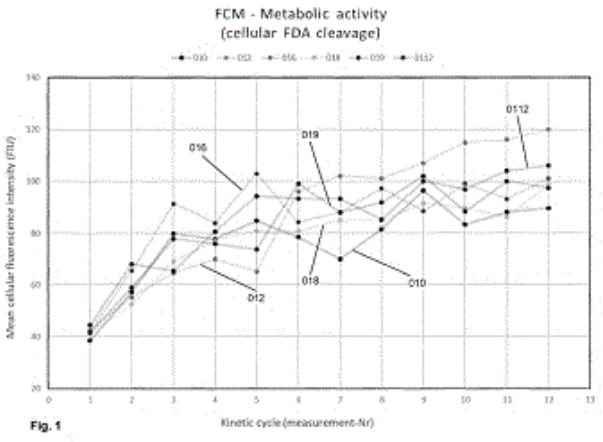
moors the immunoglobulin polypeptide to a receptor of interest. The anchor-modified immunoglobulin polypeptides are generally characterized at the N-terminus with an anchor, e.g., the receptor binding portion of a ligand that binds a receptor. Non-human animals genetically modified with recombinant immunoglobulin segments that encode the anchor-modified immunoglobulin polypeptides are capable of making the anchor-modified immunoglobulin polypeptides. Such non-human animals also provided, along with methods and compositions for making and using the non-human animals. Methods for producing anchor-modified immunoglobulins from non-human animals are also provided, as well as anchor-modified immunoglobulins generated therefrom.



21: 2023/06006. 22: 2023/06/06. 43: 2024/08/13
51: G06F; G09F
71: SAMSUNG ELECTRONICS CO., LTD.
72: CHOI, JUNYOUNG, KANG, YOUNGMIN, SHIN, MOONCHUL, YOON, YEONGGYU, LEE, SEUNGJOON, CHO, JOONGYEON, AHN, JUNGHYUN, YOON, BYOUNGUK
33: KR 31: 10-2021-0081692 32: 2021-06-23
33: KR 31: 10-2020-0182461 32: 2020-12-23
54: ROLLABLE ELECTRONIC DEVICE
00: -
An electronic device according to various embodiments of the present invention may comprise a first housing, a second housing, a flexible display, a bendable member, and a bending plate. The second housing may slide in a first direction so as to be at least partially withdrawn from the first housing, and slide in a second direction so as to at least partially enter into the first housing. The flexible display may be disposed in a space formed by the first housing and the second housing, and includes a first area which is visible to the outside and a second area which extends from the first area and is accommodated inside in a closed state and visible to the outside in an open state. The bendable member may include a plurality of multi-bars that are disposed spaced apart at regular intervals on the rear surface of the flexible display and support the flexible display in the closed state and the open state. The bending plate may be attached to the flexible display and the plurality of multi-bars.

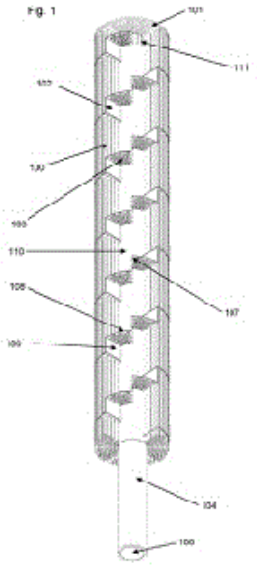


21: 2023/06045. 22: 2023/06/07. 43: 2024/08/12
51: A61N; C12N; C12M
71: BÜHLER AG
72: BUCHMANN, LEANDRO
33: EP 31: 20212860.9 32: 2020-12-09
54: PULSED ELECTRIC FIELD TREATMENT OF BIOLOGICAL CELLS
00: -
The present invention relates to methods of increasing metabolic activity and stimulating cell proliferation of biological cells through the use of pulsed electric field (PEF) treatment, especially through the use of nanosecond pulsed electric field (nsPEF) treatment.

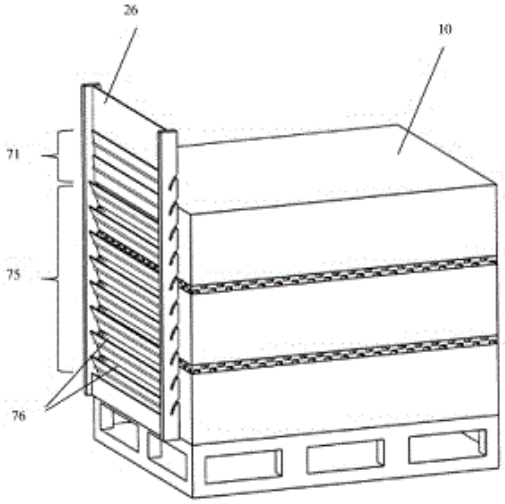


21: 2023/06047. 22: 2023/06/07. 43: 2024/08/12
51: B01J
71: TOPSOE A/S

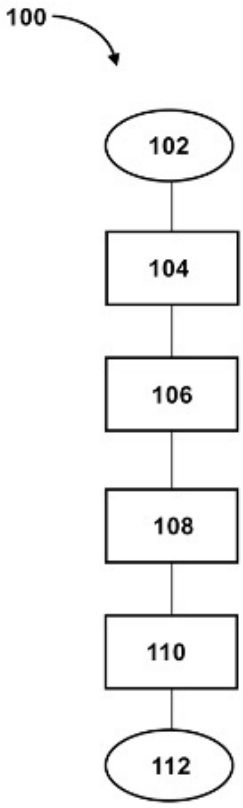
72: HANSEN, ANDERS HELBO, BJARKLEV, KRISTIAN, BOE, MICHAEL
33: EP 31: 21153969.7 32: 2021-01-28
54: CATALYTIC HEAT EXCHANGE REACTOR WITH HELICAL FLOW
00: -
The present invention relates to a catalytic heat exchange reactor for carrying out endothermic or exothermic catalytic reactions with at least one helical upward flow around the heat transfer tubes and a central mixed gas tube.



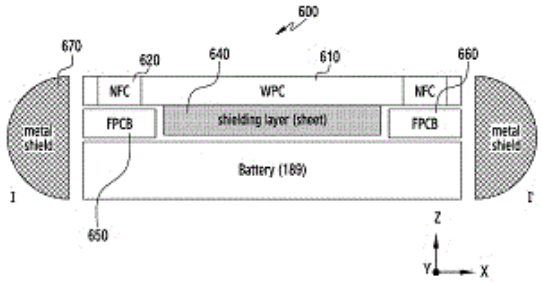
21: 2023/06051. 22: 2023/06/07. 43: 2024/08/12
51: F25D; A23L
71: TIPPMANN CONSTRUCTION, LLC
72: TIPPMANN, JOSHUA T, WELLMAN, BRANDON L, HERBER, CALEB P
54: QUICK FREEZE PALLET RACKS WITH VARIABLE LOUVERED DOORS
00: -
Pallet racking systems are designed to quickly freeze items using thermal transfer by moving air through palletized products. Air is pulled through the palletized product to a negative air plenum behind the pallet rack. Back panels of the pallet racks provide variable-height airflow by use of louvers which are individually pressed open by the palletized product to accommodate differing product heights. The panels allow more efficient system operation with any number of rack positions filled.



21: 2023/06073. 22: 2023/06/08. 43: 2024/08/27
51: A21D
71: LAMBDATECH LTD
72: CHARLILAOU, Constantinos
33: ZA 31: 2022/02888 32: 2022-03-10
54: PAN RELEASE AGENT
00: -
The invention relates to a pan release composition comprising a water-in-oil emulsion, which includes an oil phase having at least a vegetable oil component and at least two emulsifiers, of which one of the emulsifiers is in the form of Lecithin; and a water phase, including at least water. Furthermore, a method of producing a pan release composition is provided. In use, the pan release composition is applied to a surface of a baking tin, tray, sheet or pan before dough to be baked is placed therein.



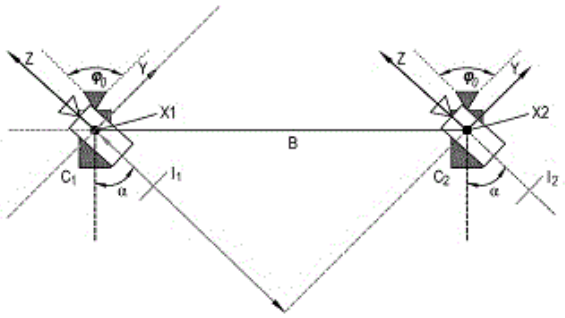
21: 2023/06095. 22: 2023/06/08. 43: 2024/08/13
51: H01Q; H04B
71: SAMSUNG ELECTRONICS CO., LTD.
72: OH, CHANHEE, KIM, SUNGSOO, KIM, YONGYOUN, BAE, SEYOON, CHOI, SEUNGBUM, HONG, HYUNJU
33: KR 31: 10-2020-0179908 32: 2020-12-21
54: ELECTRONIC DEVICE INCLUDING COIL ANTENNA
00: -
An electronic device, according to various embodiments of the present disclosure, may comprise: a housing; a first circuit board disposed in the housing; flexible circuit boards which electrically connect the first circuit board; coil antennas disposed inside the housing and including a plurality of antennas having conductive patterns formed to generate magnetic fields; a shielding layer disposed below a first antenna from among the plurality of antennas; and metal shields which are disposed on side surfaces of the coil antennas and shield a magnetic field in a first direction from among magnetic fields formed by the coil antennas.



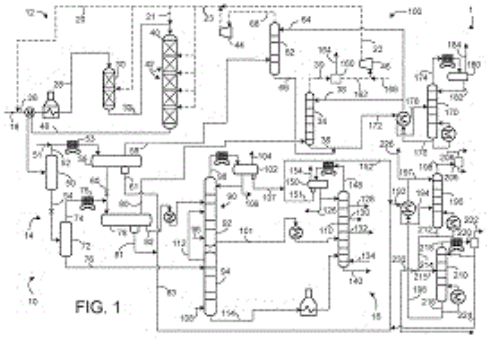
21: 2023/06103. 22: 2023/06/08. 43: 2024/08/12
51: C07D
71: BAE SYSTEMS PLC
72: BURN, ANDY ODEN, DIDSBURY, MATTHEW PAUL, KENNEDY, STUART, KENNEDY, NICOLA, PATERSON, IAN EWART MURRAY, JUBB, DANIEL
33: GB 31: 2019393.4 32: 2020-12-09
54: FLOW SYNTHESIS OF RDX
00: -
The application relates to a method for the flow synthesis manufacture of RDX, comprising the steps of preparing input flow reagent A, comprising hexamine dissolved in nitric acid with a concentration less than 92%, preparing input flow reagent B comprising 99% concentration nitric acid, causing the input flow reagents A and B to enter a flow reactor at a flow rate, so as to cause a total nitric acid concentration of greater than 93%, in said flow reactor, cooling the reaction chamber to less than 30°C, causing the output mixed flow to be quenched.

21: 2023/06132. 22: 2023/06/09. 43: 2024/08/12
51: A61K; A61P
71: DELTA 4 GMBH
72: PERCO, PAUL
33: EP 31: 20211546.5 32: 2020-12-03
54: CLOPIDOGREL FOR USE IN THE TREATMENT OF FOCAL SEGMENTAL GLOMERULOSCLEROSIS (FSGS)
00: -
The present invention relates to a pharmaceutical preparation comprising clopidogrel, or a salt or solvate thereof, for use in the treatment of focal segmental glomerulosclerosis (FSGS).

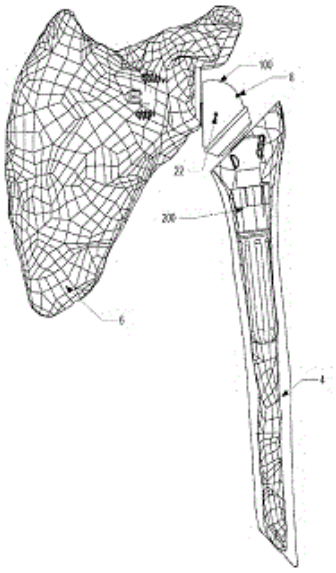
21: 2023/06133. 22: 2023/06/09. 43: 2024/08/13
51: G01B; G01S
71: BIOSECO SP. Z O.O.
72: GRADOLEWSKI, DAWID, JAWORSKI, ADAM, DZIAK, DAMIAN, KANIECKI, DAMIAN, KULESZA, WLODEK
33: PL 31: P.436051 32: 2020-11-23
33: GB 31: 2018391.9 32: 2020-11-23
54: A STEREOVISION METHOD AND SYSTEM
00: -
A system for determining the distance, D between an object and a base line B, which is a line between a first camera's and a second camera's centres. The system comprises a first camera, a second camera and a processing system configured to receive data from the first camera and the second camera and to determine the position of an object, wherein the first and second cameras are oriented with their optical axes an angle α to the base line, wherein α is substantially non-right angle.



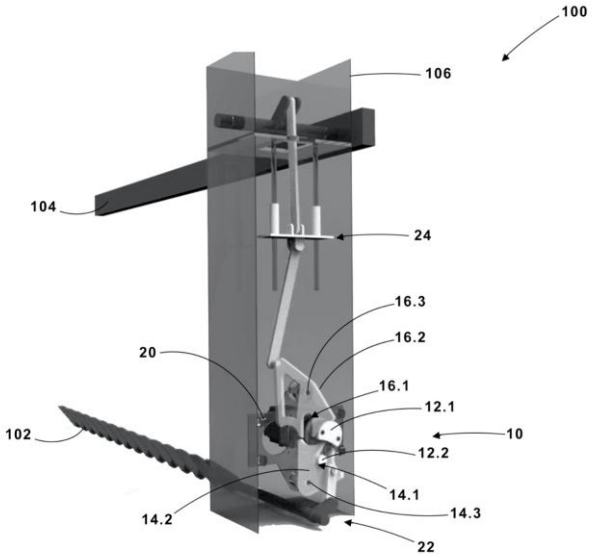
21: 2023/06183. 22: 2023/06/12. 43: 2024/08/12
51: C01B; B01D; C01C; C05C; C10G; C01D
71: UOP LLC
72: DE REN, JAN, WANG, HAIYAN, DA SILVA FERREIRA ALVES, JOAO JORGE, CLARKE, IAN, WHYMAN, WILLIAM J
33: US 31: 63/169,358 32: 2021-04-01
33: US 31: 63/127,610 32: 2020-12-18
54: PROCESS FOR MANAGING HYDROGEN SULFIDE IN A REFINERY
00: -
A process and apparatus for managing hydrogen sulfide in a refinery is provided. In the process, a hydrogen sulfide stream from said refinery is fed to a sulfur recovery unit to produce sulfur and a sulfur compound stream or to a thermal oxidizer. The sulfur compound stream and the hydrogen sulfide stream are then thermally oxidized to produce a sulfur oxide stream. The sulfur oxide stream is then reacted with an ammonia stream. In aspect, the product of the reaction can be a fertilizer. The ammonia stream can be obtained from stripping the hydrogen sulfide stream.


FIG. 1

21: 2023/06188. 22: 2023/06/12. 43: 2024/08/13
51: A61F
71: SKELETAL DYNAMICS, INC.
72: ORBAY, JORGE, SIXTO, ROBERT, RUBIO, FRANCISCO
33: US 31: 63/142,344 32: 2021-01-27
54: REVERSE SHOULDER PROSTHESIS AND RELATED METHODS
00: -
Disclosed is a prosthetic joint assembly for joining a humerus bone to a scapula bone, comprising a humeral component adapted for engagement with said humerus bone and a concave dish; a scapular component adapted for engagement with said scapula bone and a convex surface adapted to engage said concave dish; wherein when said components are implanted and engaged in a rest position said prosthetic center of rotation is displaced in a direction that is inferior and medial relative to a natural center of rotation and said humerus bone is displaced in a direction that is inferior relative to said natural center of rotation.



21: 2023/06208. 22: 2023/06/13. 43: 2024/08/27
51: E01F; F16H
71: TURNSTAR SYSTEMS (PTY) LTD
72: MALAN, John Melville
33: ZA 31: 2022/06221 32: 2022-06-06
54: SEQUENTIAL ACTIVATION
00: -
The present invention relates to a sequential actuator, having a mechanical drive arranged sequentially to actuate two mechanical barriers and to lock them in position in an open and closed condition. The sequential actuator includes a rotary actuator, the rotary actuator including at least one rotatable cam. The sequential actuator further includes at least two followers which are mechanically connected to at least two mechanical components that are to be actuated sequentially.



21: 2023/06213. 22: 2023/06/13. 43: 2024/08/12
51: F15B; G01B; G01D
71: CATERPILLAR INC.
72: PONNUSAMY, ANANDA S, GOSLOVICH, KURT S, NUTAKKI, SATISH B
33: US 31: 17/122,687 32: 2020-12-15
54: MOLDED IN MAGNETIC SENSOR AND SYSTEMS, ASSEMBLIES, COMPONENTS, AND METHODS THEREOF
00: -
Systems, assemblies, and methods can involve a retainer assembly (50, 150, 250) adapted to interface with a sensor rod (35) of an in-cylinder position sensor assembly (30) of a fluid cylinder (10). The retainer assembly (50, 150, 250) can comprise an annular body (60, 160, 260) that defines a bore (61, 161, 261) extending from a first end of the annular body (60, 160, 260) to a second end of the annular body (60, 160, 260) opposite the first end; a sleeve (70, 170, 270) disposed in the bore (61, 161, 261) at an inner wall of the annular body (60, 160, 260); and one or more magnets (80, 180, 280) fixedly provided between the annular body (60, 160, 260) and the sleeve (70, 170, 270) in a radial direction of the annular body (60, 160, 260). Each of the one or more magnets (80, 180, 280) may be fixedly molded in place between the annular body (60, 160, 260) and the sleeve (70, 170, 270) in the radial direction of the annular body (60, 160, 260).

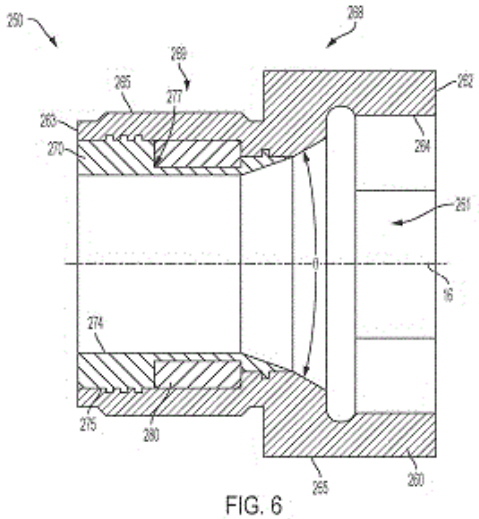
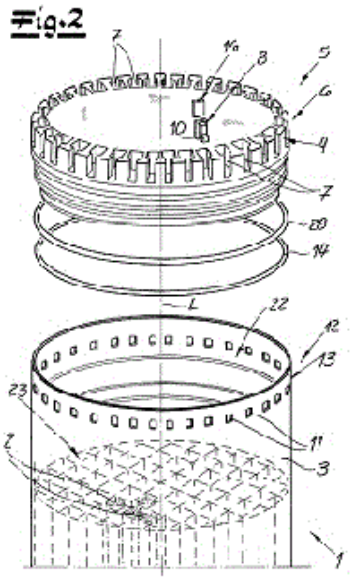


FIG. 6

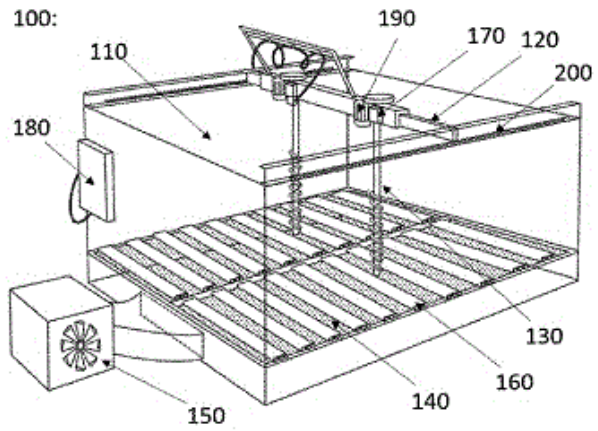
21: 2023/06248. 22: 2023/06/14. 43: 2024/08/20
51: A61K A61P A23K
71: POLY GAIN PTE LTD
72: MITCHELL, Shane, KITCHEN, Barry, MACNAB, Gregor, FLAVEL, Matthew
33: AU 31: 2020904323 32: 2020-11-23
54: USE OF SUGAR CANE EXTRACTS IN THE TREATMENT OR PREVENTION OF MICROBIAL INFECTIONS AND DYSBIOSIS
00: -
Disclosed are methods and compositions comprising from about 0.00001 wt% to about 100 wt % of an extract derived from sugar cane for use in a variety of treatments, preventatives and control measures involving administration of an extract comprising from about 10 catechin equivalent (CE) g/L to about 50 CE g/L of polyphenols or from about 100 CE mg/g to about 500 CE mg/g of polyphenols to a subject. These treatments and preventative measures include antimicrobial activity, especially against respiratory viruses in humans as well as treatments for microsporidial infections, such as EHP in shrimps and prawns. Control measures include the reduction of methane generation in ruminants. Use of these compositions, for example in dairy cows, improves the health of the cows by minimizing mastitis whilst enhancing milk yield.

21: 2023/06262. 22: 2023/06/14. 43: 2024/08/12
51: G21F
71: GNS GESELLSCHAFT FÜR NUKLEAR-SERVICE MBH
72: KLÖHN, BERTHOLD, JECH, BENJAMIN, FISCHER-WASELS, TOBIAS
33: EP 31: 20214907.6 32: 2020-12-17
54: CONTAINER FOR RECEIVING RADIOACTIVE WASTE MATERIALS
00: -
The invention relates to a container for receiving radioactive waste materials, in particular for receiving spent fuel elements, comprising a container casing, a container base which is connected to the container casing, and at least one container cover. The container cover has at least one locking recess which is arranged in the edge region on the upper face of the cover. At least one locking element is arranged or at least one locking element can be arranged in the locking recess. The locking element has at least one formfitting protrusion which is oriented in the direction of the container casing and which engages into a complementary formfitting recess of the container casing in the locked state of the container cover. The formfitting recess is arranged in the edge region of the container casing on the cover side.

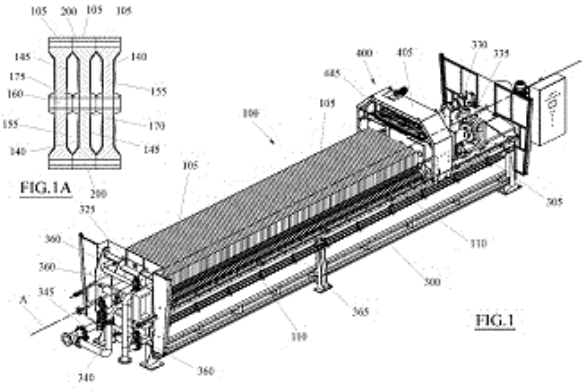


21: 2023/06263. 22: 2023/06/14. 43: 2024/08/13
51: A01K
71: INSECTUM APS
72: MUNK-BOGBALLE, DAVID
33: EP 31: 20209217.7 32: 2020-11-23
54: APPARATUS AND METHOD FOR INSECT BREEDING
00: -

The invention relates to an apparatus (100) and method for breeding insects, preferably larvae, and/or hatching insect eggs. The apparatus comprising: a housing (110) adapted to comprise a mass of insects and/or insect eggs and nourishment, at least one beam (120) being moveably mounted on the upper part and/or substantially in the centre of the housing, at least one substantially vertically oriented auger (130) suspended from the beam, the auger being rotatable and adapted to stir the mass of insects and nourishment in the housing, a perforated floor (140), and an air supply (150) providing an airflow through the perforated floor into the housing.

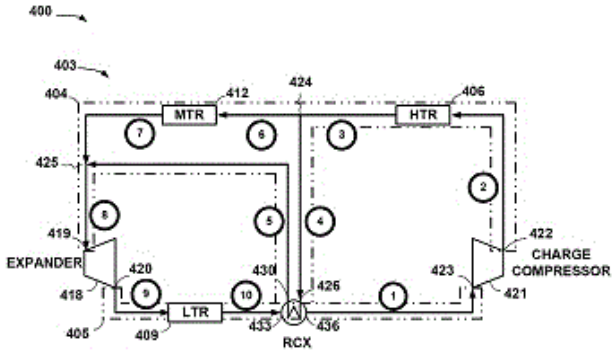


21: 2023/06269. 22: 2023/06/14. 43: 2024/08/21
51: B01D
71: DIEMME FILTRATION S.R.L.
72: BASSI, ANDREA, COLLINI, DAVIDE, DARDI, ROBERTO
33: IT 31: 102021000001145 32: 2021-01-22
54: FILTER PRESS WITH MULTI-FUNCTION ROBOT FOR MAINTENANCE, TRACKING AND WEAR CONTROL OF FILTERING SEPTA
00: -
A filter press (100) is described comprising: a plurality of filtration chambers (155) each of which is delimited by two mutually facing filtering septa (140, 145) interposed between a pair of containment plates (105), a movement apparatus adapted to move each pair of containment plates (105) between a closed configuration and an open configuration, an inlet hydraulic circuit of the liquid to be filtered, an outlet hydraulic circuit of the filtered liquid, and a washing robot (400) adapted to wash the filtering septa (140, 145) that delimit each filtration chamber (155), wherein said washing robot (400) comprises: a trolley (405) adapted to move along a longitudinal direction (A) with respect to the containment plates (105), a bar (445) installed on the trolley (405) and movable relative thereto in a transverse direction with respect to the longitudinal direction (A), and a plurality of nozzles (450) installed on said bar (445) to dispense jets of a washing liquid toward said filtering septa (140, 145), the filter press further comprising: a plurality of identification codes, each of which is fixed to at least one respective filtering septum (140, 145), a device for detecting said identification codes installed on the trolley (405) of the washing robot (400), at least one image acquisition device (600) installed on the bar (445) of the washing robot (400) to acquire images of said filtering septa (140, 145), and an electronic processing unit connected to the identification code detection device and to the image acquisition device (600).

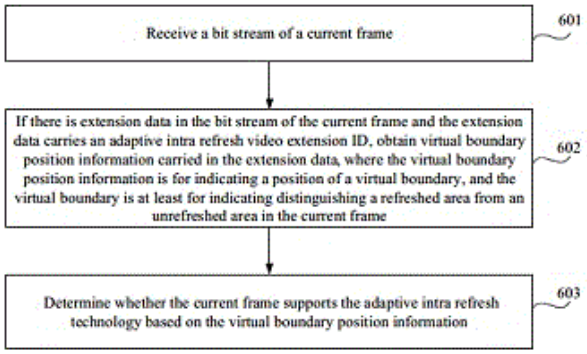


21: 2023/06293. 22: 2023/06/15. 43: 2024/08/12
51: F01K
71: SUPERCRITICAL STORAGE COMPANY, INC.
72: HELD, TIMOTHY
33: US 31: 17/546,963 32: 2021-12-09
33: US 31: 63/123,266 32: 2020-12-09
54: THREE RESERVOIR ELECTRIC THERMAL ENERGY STORAGE SYSTEM
00: -
A method for operating a pumped thermal energy storage (PTES) system includes circulating a working fluid through a working fluid circuit, the working fluid having a mass flow rate and a specific heat capacity and balancing a product of the mass and the specific heat capacity of the working fluid on a high-pressure side of a recuperator and a low side

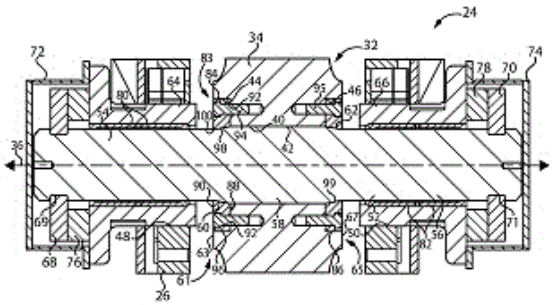
of the recuperator as the working fluid circulates through the working fluid circuit. The PTES system includes a bypass in the working fluid circuit by which a first portion of the working fluid bypasses the high-pressure side of the recuperator while a second portion of the working fluid circulates through the high-pressure side of the recuperator.



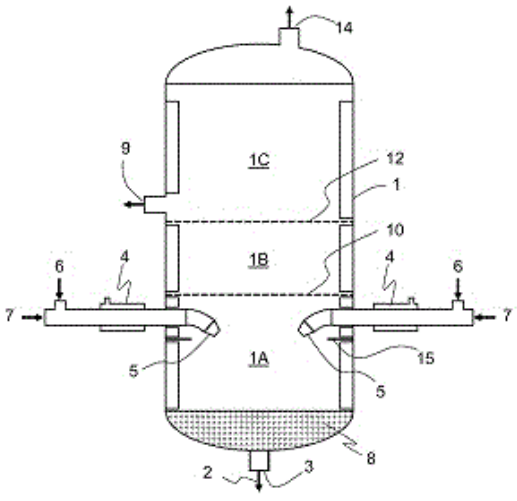
21: 2023/06298. 22: 2023/06/15. 43: 2024/08/13
51: H04N
71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
72: WEI, LIANG, CHEN, FANGDONG, WANG, LI
33: CN 31: 202110298610.4 32: 2021-03-19
54: DECODING AND ENCODING BASED ON ADAPTIVE INTRA REFRESH MECHANISM
00: -
Decoding methods and encoding methods based on an adaptive intra refresh mechanism and related devices are provided. In one aspect, a decoding method includes: receiving a bit stream of a current frame; and determining whether the current frame supports an adaptive intra refresh technology. The determining comprises one of: if there is extension data in the bit stream of the current frame and the extension data carries an adaptive intra refresh video extension identifier (ID), obtaining virtual boundary position information carried in the extension data, and determining whether the current frame supports an adaptive intra refresh technology based on the virtual boundary position information; or if there is no adaptive intra refresh video extension ID in the extension data in the bit stream of the current frame, determining that the current frame does not support the adaptive intra refresh technology.



21: 2023/06351. 22: 2023/06/19. 43: 2024/08/12
51: B62D
71: CATERPILLAR INC.
72: RECKER, ROGER L, DUMITRU, MIRCEA, DONLAN, ZACHARY T
33: US 31: 17/128,504 32: 2020-12-21
54: ROLLER ASSEMBLY FOR GROUND-ENGAGING TRACK SYSTEM
00: -
A roller assembly (32) for a ground-engaging track system (24) includes a roller (34) forming a shaft bore (42), and a roller shaft (52) within the shaft bore (42) and having a circumferential ramp surface (60). A roller retention system (83) for the roller assembly (32) includes a roller retention collar (84) with an outer peripheral surface (96), and an inner peripheral surface (98) that may include a wedge surface (98) structured to friction fit the retention collar (84), within a collar bore (44) in the roller (34), upon the circumferential ramp surface (60) to limit axial displacement of the roller (34) upon the roller shaft (52). The roller assembly (32) may include two roller retention collars (84,86) supporting the roller (34) against axial displacement without use of thrust washers or the like, and fixing the roller (34) and roller shaft (52) to rotate together relative to a track roller frame (26).



21: 2023/06390. 22: 2023/06/20. 43: 2024/08/12
51: C07C; B01J; B01F
71: DOW TECHNOLOGY INVESTMENTS LLC
72: GILES, JASON F, KAMAT, PRITISH M, MILLER, GLENN A, PHILLIPS, GEORGE R, TSANG, CHI-WEI, YUAN, QUAN
33: US 31: 63/128,909 32: 2020-12-22
54: HYDROFORMYLATION REACTION PROCESSES
00: -
The present invention relates to hydroformylation reaction processes. In one aspect, a hydroformylation reaction process comprises (a) contacting an olefin, hydrogen, and carbon monoxide in the presence of a homogeneous catalyst in a reactor to provide a reaction fluid, wherein the reactor comprises one or more reaction zones; (b) removing a portion of the reaction fluid from a first reaction zone; (c) passing at least a portion of the removed reaction fluid through a shear mixing apparatus to produce bubbles in the portion of the removed reaction fluid, wherein at least a portion of hydrogen and carbon monoxide provided to the reactor is introduced through the shear mixing apparatus; and (d) returning the removed reaction fluid to the first reaction zone through one or more nozzles wherein the returning reaction fluid exiting each nozzle is a jet, wherein the mixing energy density provided to the reactor by the jets is greater than or equal to 500 Watts/m^3.

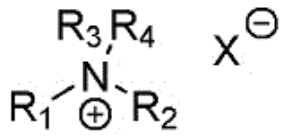


21: 2023/06391. 22: 2023/06/20. 43: 2024/08/12
51: C12P
71: VERSALIS S.P.A.
72: APPELDOORN, MAAIKE, NOORDAM, BERTUS
33: EP 31: 21167451.0 32: 2021-04-08
54: PROCESS FOR THE PREPARATION OF A SUGAR PRODUCT AND A FERMENTATION PRODUCT
00: -
The application relates to a process for the preparation of a sugar product from cellulosic material and a process for the preparation of a fermentation product from cellulosic material.

21: 2023/06397. 22: 2023/06/20. 43: 2024/08/13
51: C02F; C09K; E02B; F24S; F28D
71: CRYSTAL LAGOONS TECHNOLOGIES, INC.
72: FISCHMANN, FERNANDO BENJAMIN, AMIGO ALVAREZ, JOSE
33: US 31: 63/132,644 32: 2020-12-31
54: LOCALIZED HEATING SYSTEM FOR LARGE WATER BODIES WITH A PARTIAL CONFINEMENT SYSTEM
00: -
The present invention comprises a system for the localized heating of a portion of water within larger water bodies through a partial confinement of said portion of water without completely interrupting the water flow and where the concept of being in the same water body is maintained, in order to facilitate the practice of recreational activities in a heated environment. The present invention provides a solution to achieve a comfortable temperature of the water for direct contact recreational purposes in a cost-efficient manner, with a partial confinement system that allows creating a heat plug and provides for a serpentine-type flow between both sides of the partial confinement system.

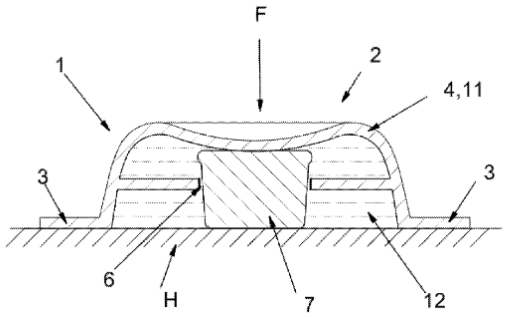
21: 2023/06398. 22: 2023/06/20. 43: 2024/08/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BARFOOT, RICHARD JONATHAN, MENDOZA FERNANDEZ, CESAR ERNESTO, SIMON, AMELIE LAURA
33: EP 31: 20216206.1 32: 2020-12-21
54: HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION
00: -
A composition comprising: (i) 0.01 to 10 wt % of a di-alkyl cationic conditioning surfactant; selected from structure 1, wherein: • R_1 and R_2 comprise linear or branched alkyl chains, that are saturated or non-saturated, with carbon-carbon chain lengths of from C_4 to C_{20}, preferably from C_6 to C_{18} and that

optionally comprise at least one group selected from an ester group, an amide group and an ether group; • R_3 comprises an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2; • R_4 comprises a proton or an alkyl chain having a carbon-carbon chain length of from C_1 to C_4, preferably C_1 to C_2; and • X is an organic or inorganic anion; (ii) 0.1 to 10 wt % of a linear fatty material; (iii) 0.1 to 5 wt % of a structurant; and (iv) a particulate benefit agent selected from conditioning actives; wherein the molar ratio of dialkyl cationic surfactants (i) to linear fatty material (ii) is in the range of from 1:10 to 1:1, most preferably 1:5 to 1:2 results in improved particulate benefit agent deposition onto bleached hair.



Structure 1

21: 2023/06424. 22: 2023/06/21. 43: 2024/09/09
51: A61B
71: ALLTEST GMBH
72: SCHNETZ, Guntram
33: AT 31: A 50010/2021 32: 2021-01-15
54: ALLERGY TEST DEVICE
00: -
The invention relates to an allergy test device (1) for applying a liquid medium (M) onto or into the skin (H), having a film (2) with a flat part (3) for placing on the skin (H) and with at least one part (4) which is spaced apart from the skin (H) during use and has a container (5) for receiving the liquid medium (M), wherein each container (5) of each spaced-apart part (4) has at least one closable opening (6). According to the invention, each spaced-apart part (4) is designed to be deformable in the direction of the flat part (3) of the film (2), and a valve (7) is arranged movably in the at least one opening (6) of each container (5), wherein the opening (6) of the container (5) is sealed off in a closure position of the valve (7), and, upon deformation of the spaced-apart part (4), the valve (7) is at least partially opened in a position deviating from the closure position.

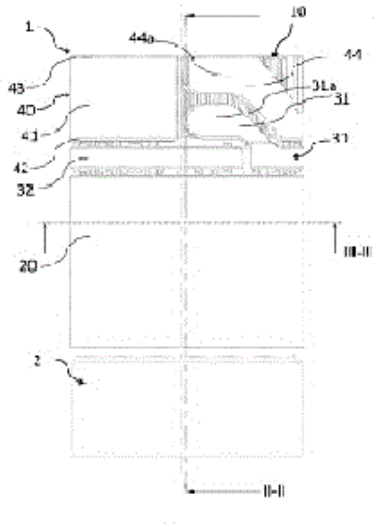


21: 2023/06429. 22: 2023/06/21. 43: 2024/08/20
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: LEE, Hayun, KIM, Ju Eun, LEE, Ji Hye, LEE, Heeseok, KIM, Kyungrim
33: KR 31: 10-2021-0010911 32: 2021-01-26
54: AROG ALDOLASE VARIANT AND METHOD FOR PRODUCING BRACHED CHAIN AMINO ACID BY USING SAME
00: -
The present application relates to a phospho-2-dehydro-3-deoxyheptonate (aroG) aldolase variant, a microorganism comprising same, and a method for producing an amino acid by using same.

21: 2023/06431. 22: 2023/06/21. 43: 2024/08/20
51: C08J
71: EVONIK OPERATIONS GMBH
72: TRASSL, Christian, HOPF, Florian, GANGLAUF, Mona
33: EP 31: 20211204.1 32: 2020-12-02
54: ADHESION OF BLOWING AGENT-CONTAINING PARTICLES BASED ON POLYIMIDES OR POLYACRYLATES
00: -
The present invention relates to a process for the production of functionalized particle foam mouldings based on thermoplastic base material with a glass transition temperature of at least 100 °C comprising the functionalization of base particles.

21: 2023/06438. 22: 2023/06/21. 43: 2024/08/12
51: B65D
71: GUALA CLOSURES S.P.A.
72: GIOVANNINI, MARCO, VIALE, LUCA
33: IT 31: 102020000031778 32: 2020-12-22
54: CLOSURE WITH TEAR-OFF SEAL
00: -
A closure (1) for a container having a neck ending with a pouring orifice, comprises a cap (10)

configured to close the pouring orifice, the cap comprising a top wall (12) and a sleeve extending from the top wall to a lower edge, a tubular element (20) configured to surround the neck of the container, a first tear-off seal (40) and a second tear-off seal (30). The cap (10), the tubular element (20), the first tear-off seal (40) and the second tear-off seal (30) define a unitary body.

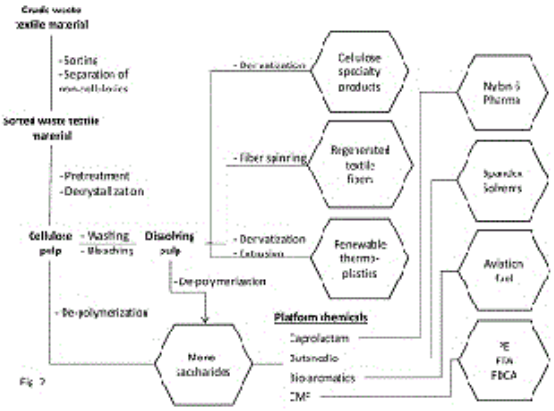


21: 2023/06440. 22: 2023/06/21. 43: 2024/08/13
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21154571.0 32: 2021-02-01
54: DETERGENT COMPOSITION
00: -
The present invention relates to a solid laundry detergent composition, more specifically to laundry detergent composition comprising low levels of alkaline builders. It is an object of the present invention to a solid laundry detergent composition having low carbonate levels and low silicate levels which gives good solubility profile, good cleaning profile, good stability profile, good fabric care profile and good freshness profile. The present inventors have found that a nonionic alkoxylated surfactant in combination with an anionic surfactant and an amphoteric surfactant provides good cleaning performance, good stability profile, good fabric care profile in a solid detergent composition having low carbonate levels and low sodium levels.

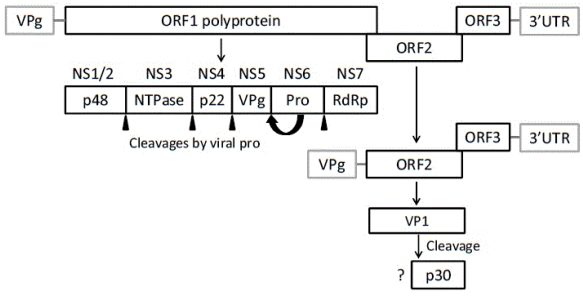
21: 2023/06479. 22: 2023/06/22. 43: 2024/08/12
51: A61K; C12N; A61P; C07K; G01N
71: VST LLC DBA MEDGENE LABS
72: YOUNG, ALAN
33: US 31: 63/128,318 32: 2020-12-21
54: AFRICAN SWINE FEVER (ASF) VIRUS VACCINES
00: -
The present invention describes immunogenic compositions containing immunogenic polypeptides of African Swine Fever (ASF) virus, including immunogenic compositions containing antigens other than ASF viral antigens, including antigens that may be used in immunization against pathogens that cause diarrheal diseases. Methods of eliciting an immune response with the immunogenic compositions as disclosed and methods of treating an ASF infection are also described.

21: 2023/06481. 22: 2023/06/22. 43: 2024/08/12
51: D01F; B09B; C08J
71: SHARETEX AB
72: STIGSSON (DECEASED), LARS, SANCHIS SEBASTIA, MIGUEL
33: SE 31: 2150166-3 32: 2021-02-15
33: SE 31: 2150696-9 32: 2021-06-01
33: SE 31: 2150003-8 32: 2021-01-04
54: A VERSATILE METHOD TO VALORIZE CELLULOSIC WASTE TEXTILES
00: -
A process for valorization of a crude waste textile material comprising cotton fibers, viscose fibers and/or other cellulosic textile fibers into cellulose pulp. The process comprises the steps of: - providing a comminuted textile material comprising cotton fibers, viscose fibers and/or other cellulosic fibers; - mixing the comminuted textile material with at least one solvent in the form of an aqueous metal halide (MeX), comprising MeX in a concentration in the range of 60 to 80 wt%, or in the form of a metal halide hydrate having the formula $MeX \cdot n(H_2O)$, wherein the metal Me is Li^+, Zn^{2+}, Mg^{2+}, or Ca^{2+}, wherein the halide X is Cl^- (chlorine) or Br^- (bromine), and wherein the integer "n" is 2 to 6, such as 3 or 4; - heating the mixture of the comminuted textile material and the metal halide to dissolve, at least partly, the comminuted textile material to provide a solution of cellulose and MeX; and - precipitating cellulose pulp from the solution of cellulose and MeX, preferably by adding an aqueous solution to

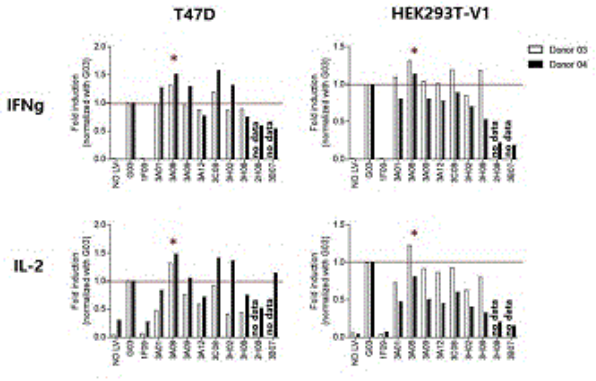
the solution of cellulose and MeX to precipitate cellulose pulp; - recovering cellulose pulp.



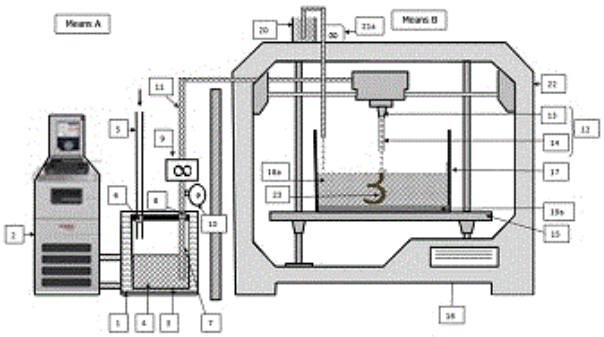
21: 2023/06500. 22: 2018/11/30. 43: 2024/08/26
51: C12N A01H A61K A61P C07K C12P
71: ARAMIS BIOTECHNOLOGIES INC.
72: LAVOIE, Pierre-Olivier, D'AOUST, Marc-André
33: US 31: 62/593,006 32: 2017-11-30
33: US 31: 62/712,744 32: 2018-07-31
54: MODIFIED NOROVIRUS VP1 PROTEINS AND VLPS COMPRISING MODIFIED NOROVIRUS VP1 PROTEINS
00: -
Nucleic acids encoding modified norovirus VP1 proteins, and VLPs comprising one or more of the modified norovirus VP1 proteins are provided. Methods for modified norovirus VP1 protein, and norovirus VLP, production in plants, portions of the plant or a plant cell, are also described.



21: 2023/06528. 22: 2023/06/23. 43: 2024/08/13
51: C07K; C12N; A61K; A61P
71: LG CHEM, LTD.
72: LEE, JI HYUN, LEE, HAE YOUN, CHOI, YOON AA, YI, DAE GWAN, CHOI, JUNGWON, PARK, AREUM, JUNG, SAEM, SONG, EU RIM, NA, KYUBONG, PARK, MIN JEONG, JEUN, EUN JI, CHOE, KYUHONG, YI, HYOJU, YANG, HEE JUNG, JANG, SUNG WOONG
33: KR 31: 10-2020-0183768 32: 2020-12-24
33: KR 31: 10-2021-0137757 32: 2021-10-15
54: POLYPEPTIDE SPECIFIC FOR MUCIN 1 AND USE THEREOF
00: -
The present invention relates to a polypeptide binding to mucin 1, an isolated polynucleotide encoding same, a vector carrying the polynucleotide, and a cell including the vector. In addition, the present invention relates to a chimeric antigen receptor including the polypeptide binding to mucin 1, an isolated polynucleotide encoding the chimeric antigen receptor, a vector carrying the polynucleotide, an immune cell expressing the chimeric antigen receptor, a composition comprising same for treatment of cancer, and a method for treatment of cancer.



21: 2023/06530. 22: 2023/06/23. 43: 2024/08/12
51: B29C; C08L; B33Y
71: EURENCO
72: CUVELIER, SÉBASTIEN, CHAVEROUX, DAMIEN, DEBIESSE, CLARA, RUMEAU, PASCAL
33: FR 31: FR2013224 32: 2020-12-15
54: METHOD FOR OBTAINING NITROCELLULOSE-BASED STRUCTURES BY MEANS OF ADDITIVE MANUFACTURING
00: -
The invention relates to a method for obtaining a nitrocellulose structure, comprising the layer-by-layer deposition, by means of additive manufacturing, of a collodion on an adhesion support, wherein the structure being manufactured is impregnated with a nitrocellulose-setting liquid. The invention also relates to a device for implementing the method.



21: 2023/06532. 22: 2023/06/23. 43: 2024/08/12
51: E04C; E04B
71: NV BEKAERT SA, CCL STRESSING INTERNATIONAL LTD
72: THOOFT, HENDRIK, VITT, GERHARD, HAYEK, CAROL
33: EP 31: 20250006.2 32: 2020-12-23
54: POST-TENSIONED CONCRETE WITH FIBERS FOR LONG STRIPS
00: -
The present invention concerns a concrete strip, the strip comprising conventional concrete and a combined reinforcement of both post-tension steel strands and fibers, said post-tension steel strands - having a diameter ranging from 5 mm to 20 mm,- having a tensile strength higher than 1700 MPa,said fibers being either steel fibers and being present in a dosage ranging from 5 kg/m³ to 90 kg/m³ or being non-steel fibers and being present in a dosage ranging from 0.6 kg/m³ to 25 kg/m³, whereby the strip has a thickness, whereby further the length of the strip is according to the formula:length of the strip > 30 x strip thickness.

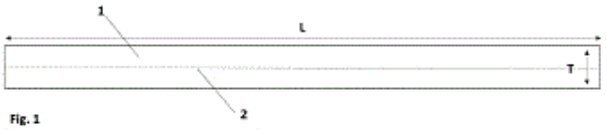
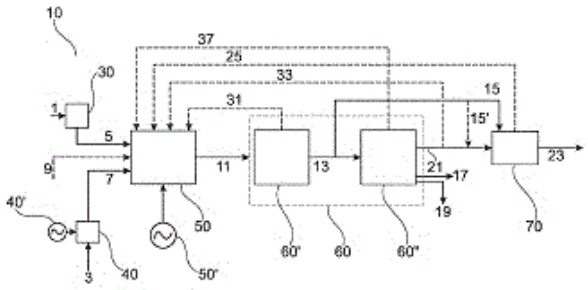


Fig. 1

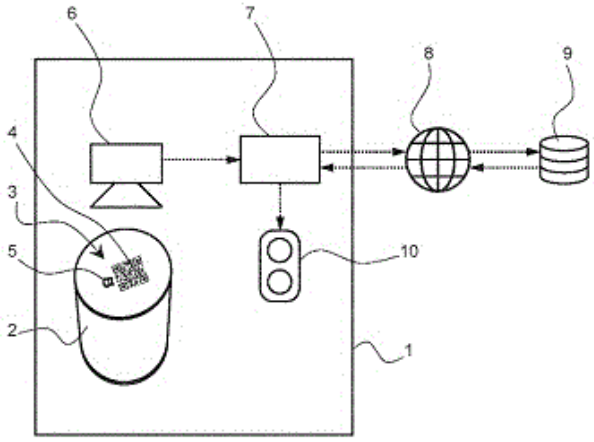
21: 2023/06535. 22: 2023/06/23. 43: 2024/08/19
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, DIXIT, RAHUL NARENDRASINGH, MANNA, SUBHAJIT, SUBRAHMANIAM, NARAYANAN
33: EP 31: 21154536.3 32: 2021-02-01
54: DETERGENT COMPOSITION
00: -
The present invention relates to a solid laundry detergent composition, more specifically to laundry detergent composition comprising low levels of alkaline builders. It is an object of the present invention to provide a solid laundry detergent composition having low carbonate levels and low silicate levels which gives good solubility profile, good cleaning profile, good stability profile, good fabric care profile and good freshness profile. The present inventors have surprising found that the fabric care benefits and stain removal performance of solid laundry detergent composition having low carbonate levels and low silicate levels can be achieved by combination of an anionic surfactant with amphoteric surfactant and a lactam-based compound or derivatives thereof. Preferably the lactam-based compound is a pyrrolidone compound or derivatives thereof.

21: 2023/06562. 22: 2023/06/26. 43: 2024/08/12
51: C10G
71: TOPSOE A/S
72: ALKILDE, OLE FREJ, HIDALGO VIVAS, ANGELICA, AASBERG-PETERSEN, KIM, MORTENSEN, PETER MØLGAARD, CHRISTENSEN, THOMAS SANDAHL
33: EP 31: 21155955.4 32: 2021-02-09
54: PROCESS AND PLANT FOR PRODUCING E-FUELS
00: -
Process and plant for producing a hydrocarbon product boiling in the gasoline boiling range, comprising: upgrading a naphtha containing stream derived from Fischer-Trop-sch (FT) synthesis by passing the naphtha containing stream through an aromatization stage comprising contacting the naphtha containing stream with an aluminosilicate zeolite, thereby producing said hydrocarbon product boiling in the gasoline boiling range, and a separate light hydrocarbon gas stream, such as liquid petroleum gas (LPG) stream. The synthesis gas for the FT-synthesis is produced by electrically heated re-verse water gas shift (e-RWGS) of a feedstock comprising CO_2 and H_2.



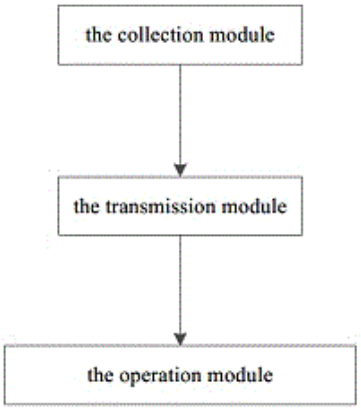
21: 2023/06564. 22: 2023/06/26. 43: 2024/08/19
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: DAVIES-MCGRAA, LIAM EDWARD, MIXTRO SERRASQUEIRO, MARINA
33: EP 31: 21154223.8 32: 2021-01-29
54: PROFESSIONAL MACHINE DISHWASH DETERGENT LIQUID
00: -
An aqueous liquid professional machine dishwash detergent comprising from 10 to 40 wt.% of alkali metal hydroxide; and from 0.1 to 10 wt. % of alkali metal silicate; and at most 5 wt. % of bleach activator; and at most 0.5 wt. % of bleach catalyst; and at most 0.1 wt. % of enzyme; and at most 1 wt. % of phosphate; and optionally builder; and optionally surfactant; and wherein the pH of a 1 wt.% solution of the detergent in water at 25 degrees Celsius and in otherwise standard conditions provides a pH of at least 10.5.

21: 2023/06599. 22: 2023/06/27. 43: 2024/08/12
51: G06Q; F25D
71: RED BULL GMBH
72: SONNLEITNER, HERMANN, NACHBAGAUER, JOSEF, CONCIN, ROLAND, MAYRHUBER, HARALD
33: EP 31: 20216867.0 32: 2020-12-23
54: SYSTEM FOR CHECKING THE AUTHENTICITY OF PRODUCTS
00: -
The invention relates to a system for checking the authenticity of a product (2), according to which the product (2) is provided with an identification (3), the information from which is read by a detector (6, 16, 20) and is transmitted to a database (9) via an information network (8) and is compared with information stored there, wherein a decision regarding the authenticity or inauthenticity of the product (2) is generated as a result of the comparison and the result of this decision is signalled at the location of the product (2). The product (2) is a packaged foodstuff and the detector (6, 20) is arranged in a refrigerator (1) in which the product (2) is placed. The invention also relates to a system for optically identifying from above products (2) on a transparent shelf surface (11, 22).



21: 2023/06603. 22: 2023/06/27. 43: 2024/08/12
51: G09B; G06Q
71: CHINA EASTERN TECHNOLOGY APPLICATION RESEARCH AND DEVELOPMENT CENTER CO., LTD.
72: LV, HUANIAN, ZHOU, MENGTAI, LI, JING
33: CN 31: 202110544525.1 32: 2021-05-19
54: APPARATUS AND METHOD FOR RECORDING NUMBER OF TIMES, DURATION AND CAUSE OF TRAINING INTERRUPTION OF ANALOG MACHINE
00: -
An apparatus and method for recording the number of times, a duration and a cause of training interruption of an analog machine. It is ensured that within a predetermined use time of an analog machine, the number of times and the time of training interruption of the analog machine are automatically recorded, and a work order is automatically triggered, so as to facilitate maintenance personnel of the analog machine filling in a failure cause. Automatic data collection and calculation are performed, so as to facilitate an operator of the analog machine mastering the quality condition of the analog machine, and various types of problems occurring during a training process of the analog machine, such that the operator can

propose a solution in a targeted manner and optimize an existing maintenance scheme of the analog machine, thereby further improving the reliability and the utilization rate of the analog machine.



21: 2023/06654. 22: 2023/06/28. 43: 2024/08/27
51: A61B
71: DEVELOPERATION AB
72: UNGERSTEDT, JOHAN
33: EP 31: 21155308.6 32: 2021-02-04
54: PROCTOSCOPE
00: -
The present invention relates to a proctoscope (1, 1´) comprising:a body (2, 2´); a handle (3, 3´) extending from the body (2, 2´); an elongated element (4, 4´) comprising a forward end (10) and an aft end (13), said aft end is attached to the body (2, 2´) and open such that the interior of the 5elongated element (4, 4´) is accessible via the aft end, said elongated element is extending along a longitudinal axis L; at least one opening (5; 5´) formed in the elongated element between the forward and aft end, and / or a transparent section formed in the elongated element between the forward and aft end; a reference marking (9a, 9b, 9c) arranged along the at least one 10opening and / or transparent section, said reference marking is readable via the open aft end of the elongated element. The proctoscope furthermore comprises a positioning device for supporting the proctoscope (1, 1´) in the intended position relative a treatment area, said positioning device comprising: an elongated position adjustment device (7, 7´) with a forward 15end contact surface (8), said position adjustmend device (7, 7´) is movably arranged along an axis substantially parallel to axis L in the body (2, 2´) and extending from the body (2, 2´) in the same direction as the elongated element (4, 4´) from the body (2, 2´), and locking means (71, 71) arranged to secure the elongated position adjustment device (7, 7´) in a selected position, 20wherein the forward end contact surface (8) is intended to bear against the skin of a patient to maintain and support the proctoscope in a position along the longitudial axis is L where the treatment area is arranged in the intended position in relation to the reference marking (9a, 9b, 9c).

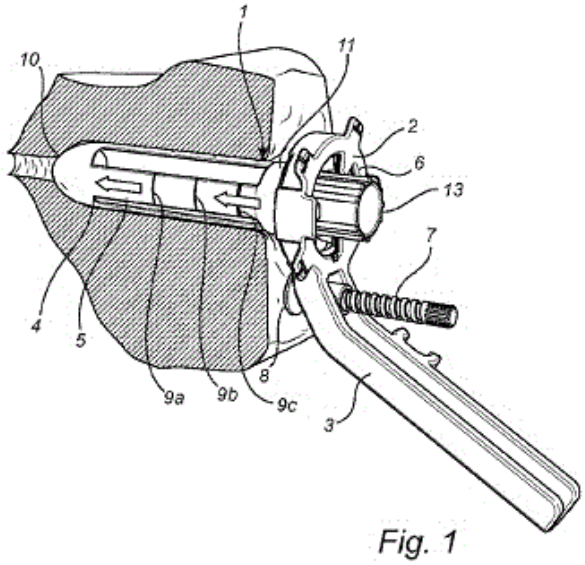
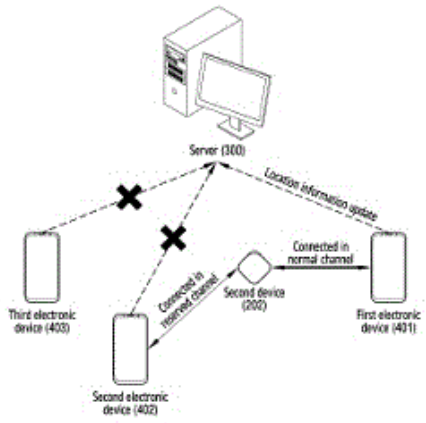


Fig. 1

21: 2023/06679. 22: 2023/06/29. 43: 2024/08/27
51: A61L; A61K; A61P
71: CASTELLANA, ROSSANA, PIANI, FRANCESCO
72: CASTELLANA, ROSSANA, PIANI, FRANCESCO
33: US 31: 63/119,722 32: 2020-12-01
54: FORMULATIONS FOR HEALING OF TRAUMATIC LESIONS OF THE SKIN AND MUCOUS MEMBRANES
00: -
The present invention relates to formulations in the form of a cream, an ointment, a liquid, or a gel and to the use of same to accelerate the healing of wounds and ulcers of mucous membranes and skin. The components of these formulations working together can effectively treat various surgical wounds, spontaneous ulcerations, post traumatic wounds, unhealed wounds, ulcers and bedsores. The formulations of the present invention can

accelerate the reparation of wounds and ulcers by itself, reduce inflammation and swelling, relieve pain and itching, and accelerate the epithelialization processes also in cases that are not repairing despite of treatment with antiseptics and fibrinolytics.

21: 2023/06680. 22: 2023/06/29. 43: 2024/08/19
51: H04W
71: SAMSUNG ELECTRONICS CO., LTD.
72: CHUNG, SEUNGTAEK
33: KR 31: 10-2021-0004229 32: 2021-01-12
54: METHOD AND APPARATUS FOR MANAGING WIRELESS CONNECTION OF ELECTRONIC DEVICE
00: -
An electronic device comprises: a communication module which supports a wireless communication connection; at least one processor operatively connected to the communication module; and a memory operatively connected to the at least one processor, wherein the memory may store instructions which, upon execution, allow the at least processor to establish a channel connection with an external electronic device through the communication module, obtain information about the external electronic device, determine, on the basis of the information about the external electronic device, the maximum allowed number of connections of the external electronic device or whether to carry out broadcasting of the external electronic device, and transmit, to the external electronic device, configuration information including at least one of the determined maximum allowed number of connections or whether to carry out the broadcasting. Various other embodiments identified by the specification are also possible.



21: 2023/06681. 22: 2023/06/29. 43: 2024/08/19
51: A61K; A61P
71: STAYBLE THERAPEUTICS AB
72: LEHMANN, ANDERS
33: SE 31: 2051481-6 32: 2020-12-17
54: A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL DISC HERNIATION
00: -
The present invention relates to a composition for use in the treatment of intervertebral disc herniation, wherein the composition comprises lactic acid and wherein the composition is administered into a disc space comprising the NR of a herniated intervertebral disc.

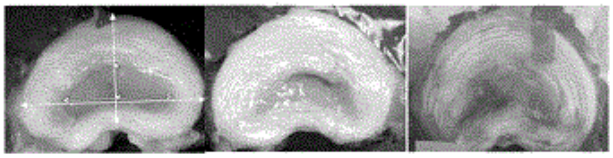
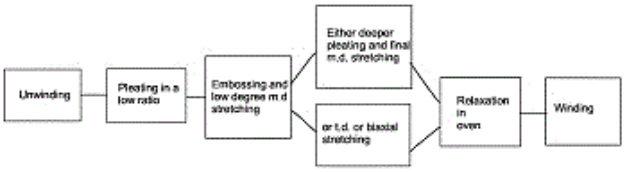


Fig. 6a Fig. 6b Fig. 6c

21: 2023/06683. 22: 2023/06/29. 43: 2024/08/27
51: B29C
71: THE SUPREME INDUSTRIES LIMITED
72: RASMUSSEN, OLE-BENDT
54: POLYMER FILMS AND THEIR PRODUCTION AND USE
00: -
The invention provides a process to orient a high molecular weight polymer film, formed from molten, dispersed or dissolved state, characterised in that as a start of this orientation process the film becomes embossed in a pattern of closely spaced dots or thin

short lines, 5 thereby becoming oriented within these embossments, whereafter the orientation process is continued in one or more steps by m.d. stretching, t.d. stretching, or combined m.d. and t.d. stretching, whereby the embossed and oriented dots or lines gradually grow and develop until essentially the entire film has become oriented.



21: 2023/06684. 22: 2023/06/29. 43: 2024/08/27
51: C08F
71: STELLENBOSCH UNIVERSITY
72: MALGAS-ENUS, REHANA
33: ZA 31: 2020/07962 32: 2020-12-21
54: SCHIFF BASE FUNCTIONALISED METAL NANOPARTICLE CATALYSTS AND THEIR USE IN OLEFIN POLYMERIZATION
00: -
This invention relates to novel bidentate N,N or N,O donor Schiff base functionalised metal nanoparticle catalysts and their use in a method for the polymerization of olefins including norbornene, for example. The method for the polymerization of olefins according to the invention comprises the use of the novel nanocatalysts together with a co-catalyst or catalyst activator, which may be methylaluminoxane or modified methylaluminoxane. The nanoparticle catalysts of the invention are surprisingly efficient at favourably mild reaction conditions.

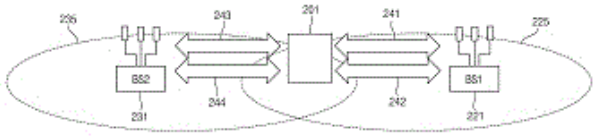
21: 2023/06685. 22: 2023/06/29. 43: 2024/10/08
51: B09B; D01B; D01D
71: DEFUGO TECHNOLOGIES PTE LTD
72: COLEMAN, David
33: AU 31: 2020904477 32: 2020-12-03
33: AU 31: 2021221469 32: 2021-08-24
54: DECORTICATOR AND DECORTICATING PROCESS
00: -
There is provided a device, process and system for decortication of biomass comprising hurd, bark and bast, such as long stalk biomass. Typically, one or more of the bark, hurd or bast generated by the decortication process or decorticator device is fed to a downstream process or downstream device such as a counter current extractor. The liquid or fibre products of decorticator, or the decorticator in combination with the counter current extractor may be further processed into their components.

21: 2023/06717. 22: 2023/06/30. 43: 2024/08/26
51: C07C
71: EVONIK OXENO GMBH & CO. KG
72: FRANKE, Robert, SCHNEIDER, Carolin, JACKSTELL, Ralf, BELLER, Matthias, REUSCH, Dieter, HÄGER, Harald
33: EP 31: 22183347.8 32: 2022-07-06
54: PROCESS FOR THE PREPARATION OF DICIDAL
00: -
A process including at least the process steps of: a) initially charging dicyclopentadiene; b) adding a compound of formula (I) as shown in the specification; c) adding a Pt compound capable of forming a complex; d) adding an iodine compound; e) feeding in CO and H2; and f) heating the reaction mixture from steps a) to e), to convert the dicyclopentadiene to dicidal.

21: 2023/06718. 22: 2023/06/30. 43: 2024/08/26
51: C07C
71: EVONIK OXENO GMBH & CO. KG
72: FRANKE, Robert, SCHNEIDER, Carolin, JACKSTELL, Ralf, BELLER, Matthias
33: EP 31: 22183349.4 32: 2022-07-06
54: PROCESS FOR PREPARING THE DIALDEHYDE OF VINYLCYCLOHEXENE
00: -
A process for preparing the dialdehyde of vinylcyclohexene including at least the process steps of: a) initially charging vinylcyclohexene; b) adding a compound of formula (I) as shown in the specification; c) adding a Pt compound capable of forming a complex; d) adding an iodine compound; e) feeding in CO and H2; and f) heating the reaction mixture from steps a) to e), to convert the vinylcyclohexene to a dialdehyde.

21: 2023/06743. 22: 2023/06/30. 43: 2024/08/19
51: H04B
71: SAMSUNG ELECTRONICS CO., LTD.
72: LEE, YOUNGMIN, KIM, WOOJIN, NA, HYOSEOK

33: KR 31: 10-2021-0042054 32: 2021-03-31
54: METHOD FOR CHANGING RECEPTION PATH AND ELECTRONIC DEVICE THEREFOR
00: -
Disclosed is an electronic device comprising: a plurality of antennas; a plurality of radio frequency circuits; a first transceiver; a second transceiver; a switching circuit configured to connect the plurality of radio frequency circuits to the first transceiver or the second transceiver; a processor; and a memory. The electronic device may be configured to change a reception path by connecting at least one of a plurality of reception paths to a different transceiver on the basis of the reception performance of the reception paths.



21: 2023/06764. 22: 2023/06/30. 43: 2024/09/19
51: A61K; C07K; A61P
71: GUANGDONG FAPON BIOPHARMA INC.
72: HUO, Yongting, LU, Lisheng, TU, Jingjing, LU, Di, ZHANG, Chan, YAN, Jiaqing
33: CN 31: 202011544262.6 32: 2020-12-23
54: ANTIBODY TARGETING CD47 AND APPLICATION THEREOF
00: -
The present invention relates to the field of biomedicine, and in particular to an antibody targeting CD47 and an application thereof. The provided anti-CD47 antibody can specifically bind to tumor cells and block human SIRPa and human CD47 signaling and can promote the phagocytosis of macrophages for tumor cells. The antibody has high affinity, strong specificity and good safety, would not cause red cell agglutination, and represents extremely weak binding to RBC and platelets.

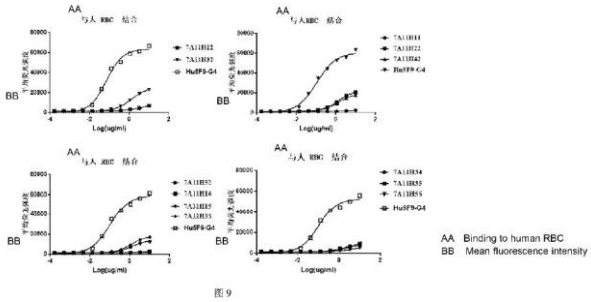
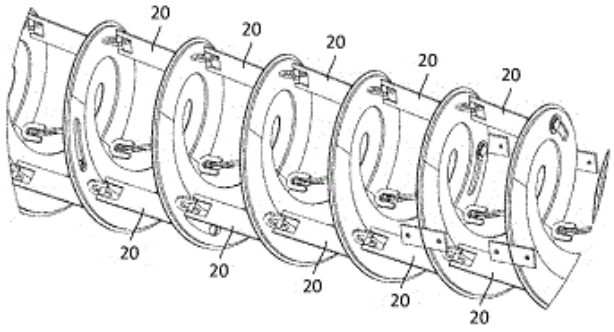


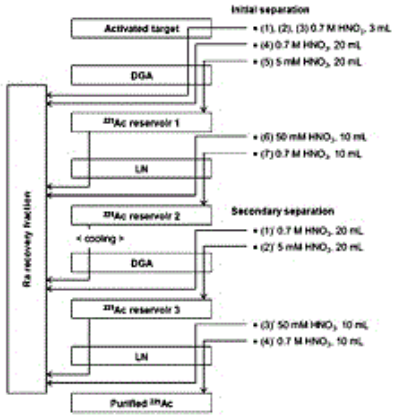
图 9

21: 2023/06878. 22: 2023/07/06. 43: 2024/08/30
51: F26B; B65G
71: ELIA, CARMINE
72: ELIA, CARMINE
33: IT 31: 102020000030089 32: 2020-12-07
54: SCREW CONVEYOR
00: -
A screw conveyor for a drying apparatus (1) or a fermentation system is disclosed. The screw conveyor comprises a helical element (11) having a longitudinal axis (x) and comprising a primary spiral (12) and a secondary spiral (13) mounted on the primary spiral and rotatable with respect to the primary spiral around the longitudinal axis; and a set of elongated members (20) spanning the primary and secondary spirals.



21: 2023/06906. 22: 2023/07/07. 43: 2024/08/30
51: G21G
71: NIHON MEDI-PHYSICS CO., LTD., NATIONAL INSTITUTES FOR QUANTUM SCIENCE AND TECHNOLOGY
72: HONDA, YOSHIO, ITO, TAKU, ICHINOSE, JUN, ICHIKAWA, HIROAKI, IMAI, TOMOYUKI, NAGATSU, KOTARO, SUZUKI, HISASHI
33: JP 31: 2021-002437 32: 2021-01-08
54: METHOD FOR PRODUCING AC-225 SOLUTION AND METHOD FOR PRODUCING MEDICINE USING AC-225 SOLUTION
00: -

An aspect of the present invention relates to a method for producing an ^{225}Ac solution or a method for producing a medicine using the solution. The method for producing an ^{225}Ac solution includes a step of irradiating a ^{226}Ra target with particles to generate two or more actinium radioisotopes (Ac) including at least ^{225}Ac, a step of dissolving the ^{226}Ra target after the aforementioned step to obtain a solution (1) that contains ^{226}Ra and Ac, a step of separating ^{226}Ra and Ac contained in the solution (1) to obtain a solution (2) that has a higher Ac concentration than the solution (1), a step of allowing Ac contained in the solution (2) other than ^{225}Ac to decay to obtain a solution (3) containing radium isotopes (Ra) resulting from decay, and a step of separating Ra and Ac contained in the solution (3) to obtain a solution (4) that has a higher ^{225}Ac concentration than the solution (3), and the solution (4) is used to produce a medicine that contains, as an active ingredient, a conjugate between a chelating agent that has formed a complex with ^{225}Ac, and an Nd2 antibody or a targeting agent (excluding Nd2 antibodies).



21: 2023/06955. 22: 2023/07/10. 43: 2024/08/27
51: C21D; C22C; C23C
71: SALZGITTER FLACHSTAHL GMBH
72: DENKS, Ingwer, MIRKOVIC, Djordje, WITTE, Marco
33: DE 31: 10 2021 104 584.3 32: 2021-02-25

54: HIGH-STRENGTH HOT-ROLLED FLAT STEEL PRODUCT HAVING HIGH LOCAL COLD FORMABILITY AND A METHOD OF PRODUCING SUCH A FLAT STEEL PRODUCT

00: -

It is an object of the present invention to provide a high-strength hot-rolled flat steel product and a method of producing such a flat steel product, and hence to achieve, based on the steel, a combination of high strength with simultaneously high local cold formability and high economic viability. This is achieved by a high-strength hot-rolled flat steel product with high local cold formability, having a tensile strength Rm of at least 760 MPa, a yield point ratio of at least 0.8 and a hole expansion ratio of at least 30%, adventurously at least 40%, particularly advantageously at least 50%, an elongation at break of at least 10%, preferably at least 16%, a measure of cold formability of at least 0.12, advantageously at least 0.17, and a ratio of local and global cold formability of at least 5 and at most 13, and a microstructure consisting of more than 50% by volume of bainite and up to 10% by volume, advantageously up to 5% by volume, of carbon-rich microstructure constituents such as martensite, residual austenite, perlite, residual precipitation-hardened ferrite, with the following chemical composition of the steel (in % by weight): C: 0.04 to 0.08; Si: 0.1 to 0.6; Mn: 1.0 to 2.0; P: max. 0.06; S: max. 0.01; N: max. 0.012; A1: up to 0.06; Ti: up to 0.18 and/or Nb: up to 0.08; Mo: up to 0.35; with Ti+Nb more than 0.06, where there is a superstoichiometric proportion of carbon and nitrogen according to the following formula: 1.0 <(C/12+N/14) / (Ti/48+Nb/93+Mo/96), balance: iron including unavoidable steel-accompanying elements.

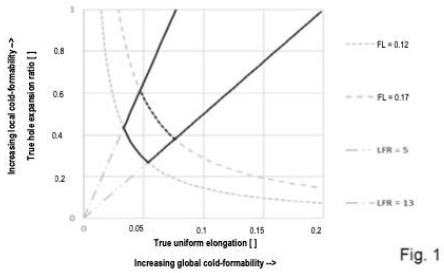


Fig. 1

21: 2023/06956. 22: 2023/07/10. 43: 2024/09/03
51: A61K
71: CIPLA LIMITED
72: BHADAURIA, Pradeep, RAJYAGURU, Tushar, KUMAR, Abhinesh, HARDE, Harshad, KUMAR, Mukesh, WALUNJ, Manoj Mahadu, SINGHADEO, Arnab Kumar

33: IN 31: 202121011063 32: 2021-03-16
54: LONG ACTING INJECTABLE COMPOSITIONS OF CARIPRAZINE OR ITS PHARMACEUTICALLY ACCEPTABLE SALTS
00: -
The present invention discloses to a long acting injectable composition comprising cariprazine or its pharmaceutically acceptable salts thereof and process to prepare the same. The present invention also discloses to use of the long acting injectable composition comprising cariprazine or its pharmaceutically acceptable salts thereof in the treatment of psychotic disorders.

21: 2023/06958. 22: 2023/07/10. 43: 2024/09/19
51: A61K
71: ZIVO BIOSCIENCE, INC.
72: STEFFEK, Amy. E, PFUND, William P., DAHL, Andrew A.
33: US 31: 63/138,041 32: 2021-01-15
33: US 31: 17/576,339 32: 2022-01-14
54: ALGORIPHAGUS SP, BOSEA SP, BREVUNDIMONAS SP, DESULFOVIBRIO SP, MICROBACTERIUM SP, SPHINGOMONAS SP, AND VARIOVORAX SP FOR USE IN DISEASE PREVENTION AND TREATMENT
00: -
A treatment compound and its use in the prevention and treatment diseases are disclosed. The compound comprises one or more materials selected from an algal biomass/supernatant (including both algae and bacteria), a bacterial biomass, and isolated and purified compound(s) as well as specific active sites or structures on those compounds. The treatment compound and the use of such a compound such as that derived from a bacterium that appears to selectively alter one or more TLR pathways in the prevention and treatment of disease in both animals and humans. The bacteria are selected from the group consisting of Algoriphagus sp., Bosea sp., Brevundimonas sp., Desulfovibrio sp., Microbacterium sp., Sphingomonas sp., and Variovorax sp. The disclosed inventive compound and method of treatment find particular application in the treatment of disease in poultry, particularly in the prevention and treatment of coccidiosis.

21: 2023/06969. 22: 2023/07/10. 43: 2024/08/27
51: A43B
71: ROBINSON, Carl
72: ROBINSON, Carl
33: US 31: 63/076,639 32: 2020-09-10
54: DECORATIVE COATING SYSTEM AND METHOD FOR DECORATIVE PRODUCTS
00: -
An outer surface of a Decorative Product comprising an outer covering layer covering the outer surface, the outer covering layer comprises a UV ink coating layer and an outer protective layer disposed on a surface of the UV ink coating layer facing towards the exterior of the Decorative Product. The UV ink coating layer comprises a plurality of close-packed jewel-shaped elements and the surface of the UV ink coating layer comprises an elongated mesa-like protrusion having a substantially planar top face. The outer protective layer includes an amber varnish layer. The outer protective layer is configured to protect the appearance, color and brightness of the jewel-shaped element.



21: 2023/06985. 22: 2023/07/11. 43: 2024/08/27
51: B22C
71: SPRAYING SYSTEMS DO BRASIL LTDA
72: DA ROCHA, EDSON FRANCELIN RIBEIRO
33: BR 31: P 1020220138109 32: 2022-07-12
54: CERAMIC INJECTION PROCESS FOR MANUFACTURING SPRAY NOZZLES USING THE WATER STOP TECHNIQUE
00: -
The present invention refers to the field of technologies related to injection processes for obtaining spray nozzles. More particularly, the present invention discloses a process for injecting ceramics (ceramic inserts) for manufacturing spray nozzles through the use of so-called water stop. The ceramic injection process using water stop was developed due to the need to manufacture ceramic

parts (inserts for spray nozzles) with high dimensional accuracy and complex internal geometries. In order to make it possible to inject ceramics for the manufacture of spray nozzles using the water stop technique, it is necessary to divide the process into main steps such as: injection of the water stop in polymeric material, overinjecting of ceramics using the polymeric core and removing the core through chemical dissolution. In addition to secondary steps such as: chemical debinding or water debinding, thermal debinding and sintering.

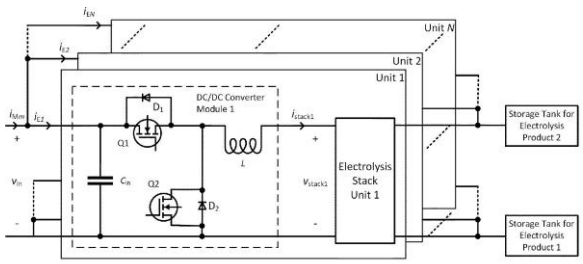
21: 2023/06994. 22: 2023/07/11. 43: 2024/08/30
51: C07K; C12N; C12P
71: CJ CHEILJEDANG CORPORATION
72: SO, YEE-SEUL, KWON, SU YON, LEE, KWANG WOO, SHIM, JIHYUN
33: KR 31: 10-2021-0003609 32: 2021-01-11
54: GLXR PROTEIN VARIANT OR THREONINE PRODUCTION METHOD USING SAME
00: -
The present application relates to a GlxR protein variant or a threonine production method using same, and the GlxR protein variant according to one embodiment is introduced into a microorganism to reduce by-product output and remarkably increase threonine production capacity.

21: 2023/06998. 22: 2023/07/11. 43: 2024/08/29
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BATCHELOR, STEPHEN NORMAN, BENNETT, JULIE, DIEDERICHS, JAN, GUO, XIAOQIANG, HALLIER, PETER JOSEF, HÖVELMANN, FELIX FLORIAN, MUTCH, KEVIN JAMES, SCHAEFER, CARSTEN
33: EP 31: 21171400.1 32: 2021-04-30
54: COMPOSITION
00: -
A laundry detergent composition comprising methyl ester ethoxylate surfactant wherein the methyl ester ethoxylate comprises monounsaturated C18 and wherein the weight proportion of monounsaturated C18 to other C18 components is from 2.9 to 7.0, and wherein the MEE comprises at least 5% of the MEE, C16 MEE, and a domestic method of treating a textile, the method comprising the step of treating a textile with an aqueous solution of 0.5 to 20 g/L of the detergent composition, and optionally drying the textile.

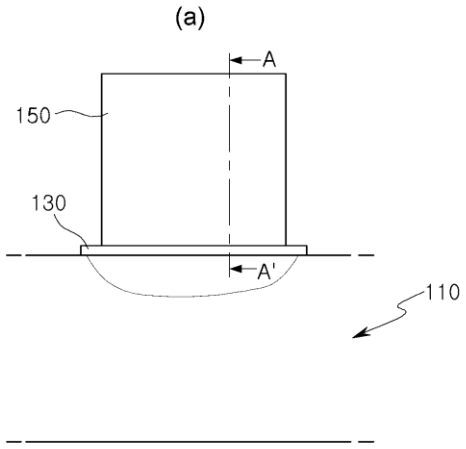
21: 2023/06999. 22: 2023/07/11. 43: 2024/08/30
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BATCHELOR, STEPHEN NORMAN, BENNETT, JULIE, DIEDERICHS, JAN, GUO, XIAOQIANG, HALLIER, PETER JOSEF, HÖVELMANN, FELIX FLORIAN, MUTCH, KEVIN JAMES, SCHAEFER, CARSTEN
33: EP 31: 21171401.9 32: 2021-04-30
54: COMPOSITION
00: -
A laundry detergent composition comprising at least 4% wt. methyl ester ethoxylate surfactant wherein the methyl ester ethoxylate comprises at least 20% by wt. total MEE,C16 MEE, at least 35% wt. MEE, C18:1 MEE and less than 10% wt. total MEE, C18:0 MEE.and domestic method of treating a textile, the method comprising the step of treating a textile with an aqueous solution of 0.5 to 20 g/L of the detergent composition, and optionally drying the textile.

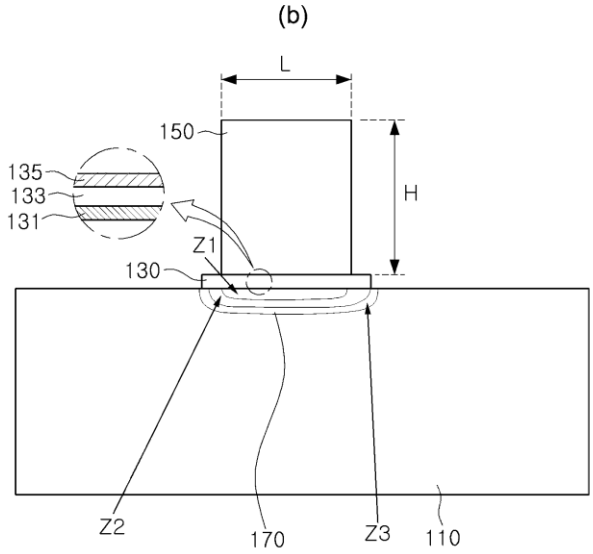
21: 2023/07011. 22: 2023/07/11. 43: 2024/08/21
51: C25B; H01M; H02J
71: DynElectro ApS
72: HØJGAARD JENSEN, Søren, SCHALTZ, Erik, MUNK NIELSEN, Stig
33: EP(DK) 31: 21151151.4 32: 2021-01-12
54: POWER CONVERTER SYSTEMS FOR ELECTROLYSIS STACKS
00: -
The present invention relates to a power converter system for a plurality of electrolysis cell stack units, comprising: a parallel arrangement of multiple DC/DC converter modules; wherein each DC/DC converter module is configured to power a single electrolysis cell stack unit; and wherein each DC/DC converter module is capable of supplying the electrolysis cell stack unit with a predetermined variation of current, power and/or voltage such that near-thermoneutral operation at part load is enabled by matching the integral Joule heat production with the integral reaction heat consumption inside the electrolysis cell stack unit, and/or wherein each DC/DC converter module is capable of reversing the current supplied to said electrolysis cell stack unit, causing said electrolysis cell stack unit to perform in fuel cell mode. The power converter system enables facilitated and inexpensive power distribution, long lifetime, as well as improved thermal management during operation of the electrolysis cell stacks. In

further aspects, the invention relates to a power distribution system and electrolysis plant comprising said power converter system, as well as to related methods.



21: 2023/07027. 22: 2023/07/12. 43: 2024/08/20
51: B28D B23K
71: EHWA DIAMOND IND. CO., LTD.
72: PARK, Hee-Dong, KIM, Nam-Kwang, KIM, Doo-Hoe, RHEE, Dae-Yeon
33: KR 31: 10-2020-0182560 32: 2020-12-23
54: CUTTING TOOL FOR GANG SAW
00: -
A cutting tool for a gang saw is provided. The cutting tool of the present invention comprises: a blade formed so as to extend in the width direction or length direction of a workpiece; at least one cutting tip formed so as to protrude from the lower portion of the blade so as to cut the workpiece by reciprocating by means of a swinging motion; and a brazing part formed between the blade and the at least one cutting tip so as to silver-braze the blade and the at least one cutting tip. The brazing part comprises: a first silver solder layer; a metal sheet layer formed on the first silver solder layer and having a melting point that is higher than a silver brazing process temperature; and a second silver solder layer formed on the metal sheet layer, wherein, with respect to the left/right extending direction of the blade, the length of the metal sheet layer forming the brazing part is the same as the length of the cutting tip making contact with the brazing part, or is formed so as to be longer in the left/right direction.





21: 2023/07068. 22: 2023/07/13. 43: 2024/08/21
51: G21C
71: Shanghai Nuclear Engineering Research & Design Institute Co., Ltd.
72: LIU, Zhan, YANG, Bo, CAO, Kemei, LIU, Di, WANG, Haitao, QI, Zhanfei
33: CN 31: 202011551710.5 32: 2020-12-24
54: PASSIVE SAFETY SYSTEM FOR REACTOR
00: -
A passive safety system for a reactor, comprising a pressure vessel, a reactor compartment (1) disposed outside the pressure vessel, and a reactor core and a main loop heat exchanger disposed inside the pressure vessel. The pressure vessel comprises a first-layer housing (13) and a second-layer housing (5) disposed at the top of the first-layer housing (13). A double-layer structure is formed at the top of the first-layer housing (13). The passive safety system for a reactor is further provided with a passive waste

heat exchanger (10) and a water supply tank (15). The main loop heat exchanger (9) is disposed above the reactor core. The main loop heat exchanger (9) and the passive waste heat exchanger (10) are connected to each other by means of a heat exchange inlet pipe (8) and a heat exchange outlet pipe (11) to form a heat exchange loop. One end of the water supply tank (15) is connected to the heat exchange inlet pipe (8), and the other end is connected to the heat exchange outlet pipe (11), so that the water supply tank (15) and the passive waste heat exchanger (10) form a parallel loop. The passive safety system for a reactor makes full use of the infinite operating environment of the ocean or atmosphere to effectively deal with design basis accidents of nuclear power plants, thereby ensuring the safety of the reactor; moreover, equipment is simplified to the greatest extent, thereby improving the economy.

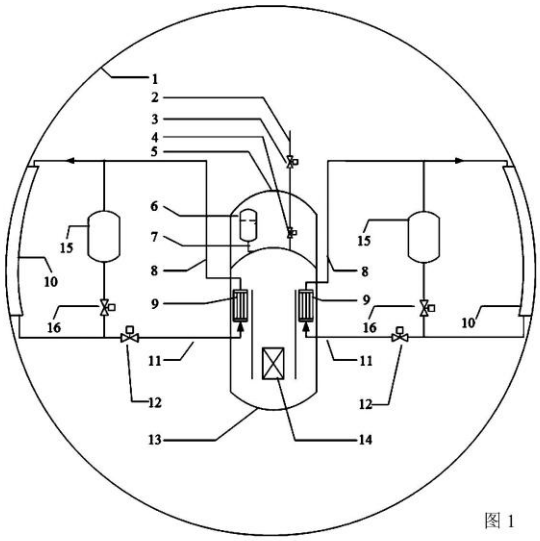
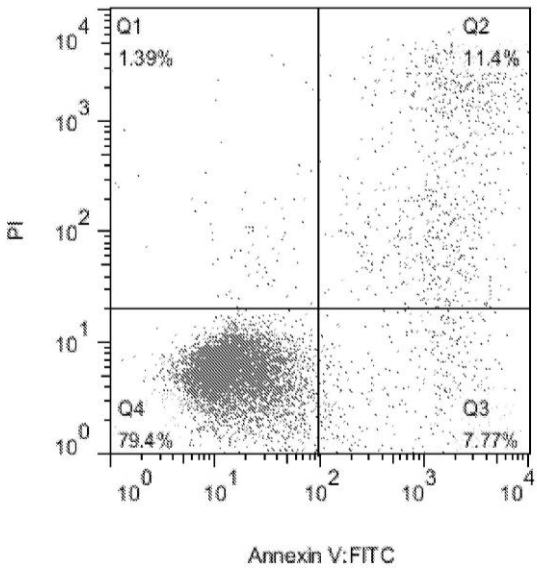


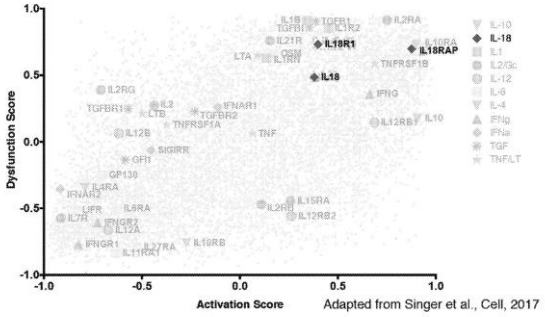
图 1

21: 2023/07128. 22: 2023/07/17. 43: 2024/08/21
51: A61K; A61P; C07K
71: Janssen Biotech, Inc.
72: DOSHI, Parul, DANET-DESNOYERS, Gwenn, DOS SANTOS, Cedric, SASSER, Amy, SHAN, Xiaochuan
33: US 31: 62/087,442 32: 2014-12-04
54: ANTI-CD38 ANTIBODIES FOR TREATMENT OF ACUTE MYELOID LEUKEMIA
00: -

The present invention relates to methods of treatment of acute myeloid leukemia with anti- CD38 antibodies.



21: 2023/07212. 22: 2023/07/19. 43: 2024/08/21
51: A61K; C07K; C12N
71: Yale University
72: RING, Aaron, ZHOU, Ting, FISCHER, Suzanne
33: US 31: 62/554,605 32: 2017-09-06
54: INTERLEUKIN-18 VARIANTS AND METHODS OF USE
00: -
The present invention provides compositions and methods comprising an activator of IL-18 activity for use in therapeutic and non-therapeutic applications. The activator provides IL-18 signaling activity even in the presence of an inhibitory molecule such as IL-18BP.



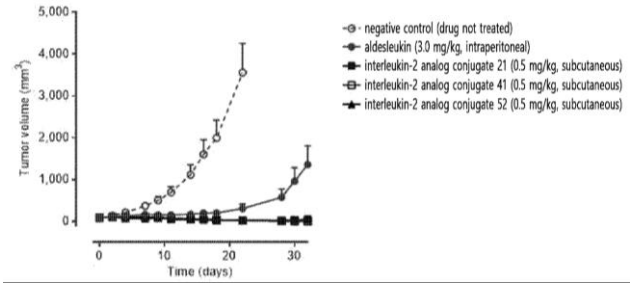
21: 2023/07219. 22: 2023/07/19. 43: 2024/08/20
51: A61K A61P C07K

71: HANMI PHARM. CO., LTD.
72: HEO, Yong Ho, OH, Euh Lim, PARK, Da Hyeon, KIM, Jin Young, PARK, Jun Sub, KIM, Yu Yon, LEE, A Ram, KIM, Sang Yun
33: KR 31: 10-2021-0042305 32: 2021-03-31

54: NOVEL CONJUGATE OF IMMUNE-STIMULATING IL-2 ANALOG AND PREPARATION METHOD THEREOF

00: -

The present invention relates to a long-acting conjugate of an interleukin 2 analog in which binding affinity to an interleukin 2 receptor is changed.



21: 2023/07227. 22: 2023/07/19. 43: 2024/09/19
51: A23K; A61K; C07K; A61P
71: ZIVO BIOSCIENCE, INC.
72: PFUND, William P., STEFFEK, Amy. E, DAHL, Andrew A.
33: US 31: 63/143,444 32: 2021-01-29
33: US 31: 17/587,582 32: 2022-01-28

54: MATURATION OF IMMUNE AND METABOLIC PROCESSES VIA ALGAL BIOMASS AND/OR RELATED MATERIAL ADMINISTERED TO ANIMALS

00: -

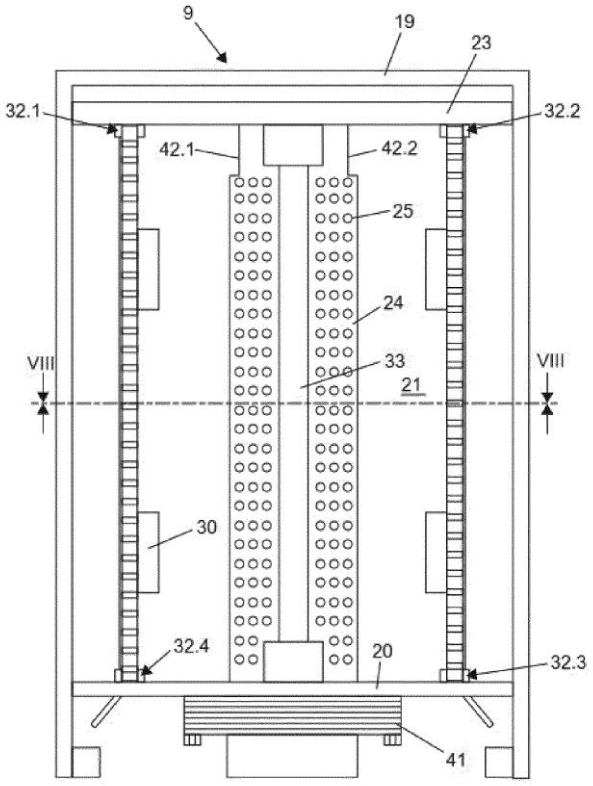
A method and compound for promoting growth and priming the immune system in both animals and humans are disclosed. The disclosed method utilizes a compound derived from one or more of a lipopolysaccharide, Lipid A, and fractions, derivatives, and cellular components thereof of gram-negative bacteria. The compound is combined with conventional feed, such as corn-soy feed, for administration to animals, such as poultry. Human application is possible, as well. Kinomic analysis of tissues collected from sacrificed birds fed the dietary mixture of the inventive compound and conventional feed suggests that the biomass causes an alteration of signaling in multiple growth-related pathways. These pathways include, but are not limited to, those associated with the vascular endothelial growth factor (VEGF), the mitogen-activated protein kinase (MAPK or MAP kinase), Ak strain transforming (Akt), and the neurotrophic tropomyosin-related kinase (NTRK). Evidence supports the conclusion that this alteration represents the modulation of the various pathways.

21: 2023/07265. 22: 2023/07/20. 43: 2024/09/11
51: A47J; B01D; F01M
71: VITO AG
72: SCHMIDT, Andreas
33: DE 31: 10 2020 134 844.4 32: 2020-12-23

54: DEVICE FOR REMOVING FOREIGN MATTER FROM A LIQUID

00: -

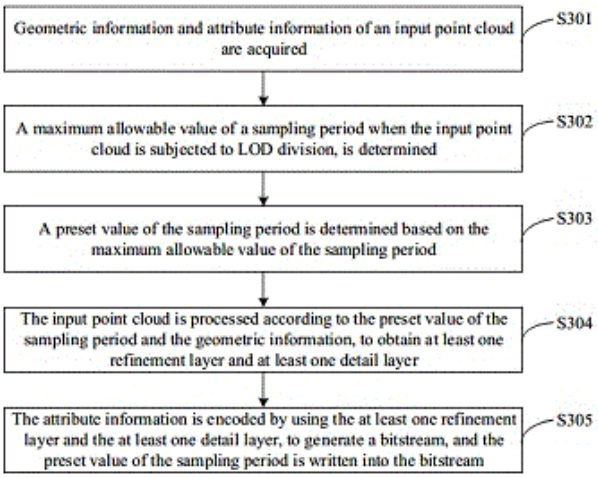
The invention relates to a device for removing foreign matter from a liquid by means of at least one filter, wherein the liquid with the foreign matter is fed to the filter from a bath by means of a rotor (34) via a shaft or an extension (40) in a housing (9). According to the invention, an inlet (22) extends similar to a column and vertically over at least a major part of a rear wall (21) of the housing (9) relative to the filter.



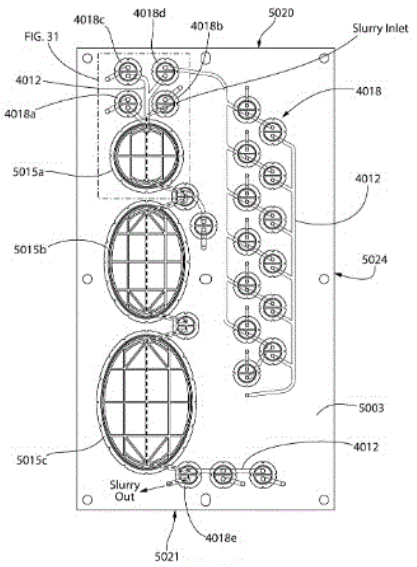
21: 2023/07283. 22: 2023/07/21. 43: 2024/08/21
51: B60K; B65D; B67D

71: eCombustible Energy LLC
72: AREVALO, Jorge, KIYAN, Carlos
33: US 31: 62/966,189 32: 2020-01-27
54: PARAHYDROGEN AND ATOMIC HYDROGEN FUEL
00: -
Disclosed herein are novel systems and methods for performing the following: decomposing water into hydrogen by using low-power consumption electrolysis, converting orthohydrogen into parahydrogen by using vibrational frequency, converting parahydrogen into atomic hydrogen, and mixing converted atomic hydrogen with combustible gas. The system uses a unique low-power hydrogen production cell to perform electrolysis on water. Hydrogen output from the production cell runs through coils under vibrational frequency to optimally convert orthohydrogen to parahydrogen. The system further comprises a magnetic reactor that is used to convert parahydrogen into atomic hydrogen, which is in turn mixed with combustible gas to create an eco-friendly fuel.

21: 2023/07308. 22: 2023/07/21. 43: 2024/08/16
51: G06T; H04N
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
72: WAN, SHUAI, WEI, LEI, YANG, FUZHENG
54: POINT CLOUD ENCODING AND DECODING METHOD, ENCODER, DECODER AND COMPUTER STORAGE MEDIUM
00: -
Disclosed are a point cloud encoding and decoding method, an encoder, a decoder and a computer storage medium. The method comprises: acquiring geometric information and attribute information of an input point cloud; determining a maximum allowable value of a sampling period when the input point cloud is subjected to level-of-detail (LOD) division; determining a preset value of the sampling period on the basis of the maximum allowable value of the sampling period; processing the input point cloud according to the preset value of the sampling period and the geometric information, so as to obtain at least one enhancement layer and at least one detail layer; and encoding the attribute information by using the at least one enhancement layer and the at least one detail layer, so as to generate a code stream, and writing the preset value of the sampling period into the code stream.



21: 2023/07389. 22: 2023/07/25. 43: 2024/09/19
51: B01L; F16K; G01N
71: PRECISION PLANTING LLC
72: SWANSON, Todd, SCHAEFER, Timothy, LITWILLER, Riley
33: US 31: 17/343,434 32: 2021-06-09
33: US 31: 17/343,536 32: 2021-06-09
33: US 31: 63/208,865 32: 2021-06-09
54: GRAVITY-ASSISTED MICROFLUIDIC MANIFOLD
00: -
An automated computer-controlled sampling system and related methods for collecting, processing, and analyzing agricultural samples for various chemical properties such as plant available nutrients. The sampling system allows multiple samples to be processed and analyzed for different analytes or chemical properties in a simultaneous concurrent or semi -concurrent manner. Advantageously, the system can process soil samples in the "as collected" condition without drying or grinding to produce a sample slurry. The system includes a chemical analysis sub-system which processes and analyzes the prepared slurry for quantifying multiple analytes and/or chemical properties of the sample. The chemical analysis sub-system may be embodied in a multi-layered microfluidic manifold processing substrate comprising microfluidic devices which extract and quantify the concentration of analytes or other chemical parameters associated with the sample. The system can be used to analyze various type of agricultural-related samples including soil, vegetation, manure, milk or other.



21: 2023/07445. 22: 2023/07/26. 43: 2024/08/20
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: LEE, Han, Hyoung, BYUN, Hyo Jeong, KIM, Byeong, Soo, KIM, Hee Ju, JUNG, Moo Young, KIM, Hyung Joon, PARK, Seul-Gi
33: KR 31: 10-2021-0030087 32: 2021-03-08
54: MICROORGANISM OF THE GENUS CORYNEBACTERIUM FOR PRODUCING L-AMINO ACID AND METHOD FOR PRODUCING L-AMINO ACID USING THE SAME
00: -
The present application relates to a microorganism of genus Corynebacterium which produces L-amino acids, a method for producing L-amino acids using same, an L-amino acid production use, and a composition for producing L-amino acids.

21: 2023/07532. 22: 2023/07/28. 43: 2024/09/12
51: B21B; F16C
71: DANIELI & C. OFFICINE MECCANICHE S.P.A.
72: NOBILE, Matteo, VERONESI, Enrico, VITIELLO, Gianluigi
33: IT 31: 102021000001889 32: 2021-01-29
54: A MONITORING SYSTEM FOR MONITORING PARAMETERS REPRESENTATIVE OF OPERATING CONDITIONS OF AN OIL FILM BEARING
00: -
A system for monitoring the parameters representative of operating conditions of an oil film bearing, wherein an oil film is arranged between a static component (2) and at least one rotating component (3, 4) defining an axis (X), said at least one rotating component being arranged inside said static component (2), the system comprising - at least one pressure sensor (5) to detect the oil pressure of said oil film; - at least one distance sensor (8) to detect the thickness of said oil film; - at least one temperature sensor (9) to detect the temperature of said oil film; wherein the at least one pressure sensor (5), the at least one distance sensor (8), and the at least one temperature sensor (9) are housed in said at least one rotating component (3, 4).

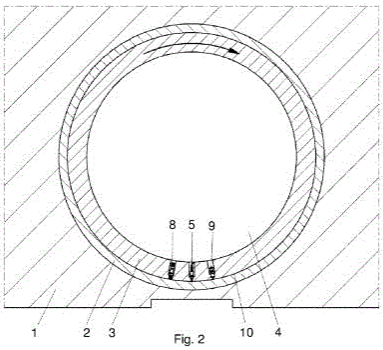


Fig. 2

21: 2023/07801. 22: 2023/08/08. 43: 2024/09/10
51: B01D; B60H
71: DAIMLER TRUCK AG
72: SCHUHMACHER, Eric
33: WO 31: PCT/EP2022/052375 32: 2022-02-02
33: DE 31: 10 2021 000 515.5 32: 2021-02-02
54: FILTER ELEMENT FOR AN AIR-FILTER DEVICE OF A MOTOR VEHICLE, AND AIR-FILTER DEVICE
00: -
The invention relates to a filter element (10) for an air-filter device of a motor vehicle, having a frame which surrounds a filter material (18) of the filter element (10) at least in some regions. The frame comprises a front wall (20), which extends perpendicularly in relation to a direction of insertion (22), in which the filter element (10) can be inserted into an accommodating space (14) of a housing (12) of the air-filter device. A front side (24) of the front wall (20) has arranged on it at least one fastening element (26), on which a cover of the air-filter device can be secured, the cover being designed to close the accommodating space (14). A panel-form main body of the front wall (20) has a narrow side, beyond which a retaining lug (76) of the filter element (10) projects, the retaining lug being formed separately

from the at least one fastening element (26). Insertion of the retaining lug (76) into a retaining hollow (80), which is provided in the housing (12) of the air-filter device, allows the filter element (10) to be secured against movement in and/or counter to the direction of insertion (22). The invention also relates to an air-filter device having such a filter element (10).

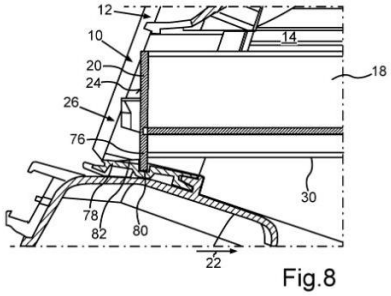


Fig.8

21: 2023/07953. 22: 2023/08/16. 43: 2024/08/20
51: C07D A01N A01P
71: BASF SE
72: GEERDINK, Danny, WITSCHEL, Matthias, LOPEZ CARRILLO, Veronica, NEWTON, Trevor, William, ZIERKE, Thomas, RACK, Michael, PETKOVA, Desislava, Slavcheva, HARTMUELLER, Martin, LANGE, Sandra, SEITZ, Thomas
33: EP 31: 21153660.2 32: 2021-01-27
54: DIAMINOTRIAZINE COMPOUNDS
00: -
The present invention relates to diaminotriazine compounds and to their use as herbicides. It also relates to agrochemical compositions for crop protection and to a method for controlling unwanted vegetation.

21: 2023/07956. 22: 2023/08/16. 43: 2024/08/20
51: C07D A01N A01P
71: BASF SE
72: GEERDINK, Danny, WITSCHEL, Matthias, LOPEZ CARRILLO, Veronica, HARTMUELLER, Martin, RACK, Michael, PETKOVA, Desislava, Slavcheva, NEWTON, Trevor, William, LANGE, Sandra, SEITZ, Thomas
33: EP 31: 21153657.8 32: 2021-01-27
54: DIAMINOTRIAZINE COMPOUNDS
00: -
The present invention relates to diaminotriazine compounds and to their use as herbicides. It also relates to agrochemical compositions for crop protection and to a method for controlling unwanted vegetation.

21: 2023/08073. 22: 2023/08/21. 43: 2024/07/30
51: H01M
71: HERAEUS DEUTSCHLAND GMBH & CO. KG
72: STOICA, Leonard, SIEVI, Robert, EWEINER, Florian
33: EP 31: 21161921.8 32: 2021-03-11
54: PROCESS FOR PRODUCING A NOBLE METAL-MODIFIED GRAPHITIZED CARBON MATERIAL AND SUPPORTED CATALYST
00: -
The present invention relates to a process for producing a noble metal-modified, graphitized carbon material, comprising providing a graphitized carbon material, wherein the graphitized carbon material has a degree of graphitization of at least 10%, impregnating the graphitized carbon material with a composition and thermal treatment of the impregnated graphitized carbon material. The composition comprises an organic solvent and at least one organic noble metal complex dissolved in the organic solvent. The invention further relates to a supported catalyst produced by this process and to an electrochemical cell containing this supported catalyst.

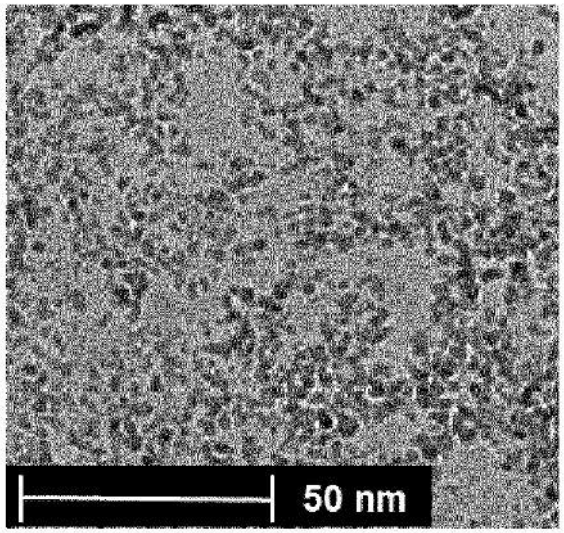
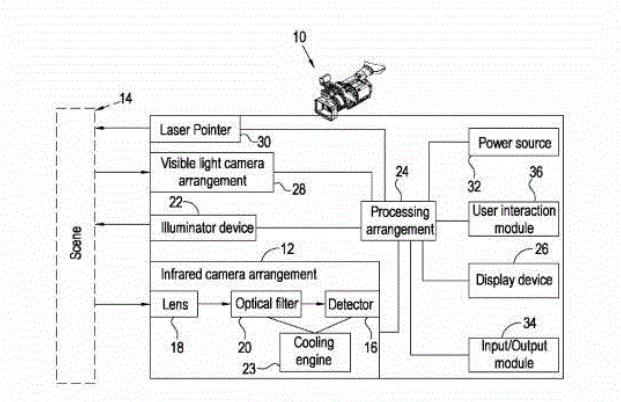


Abbildung 2
AA

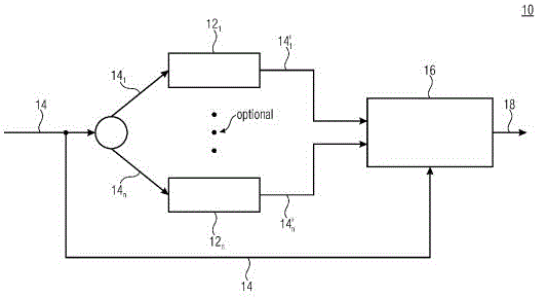
AA Figure 2

21: 2023/08438. 22: 2023/08/31. 43: 2024/08/06
51: G01M; G01N

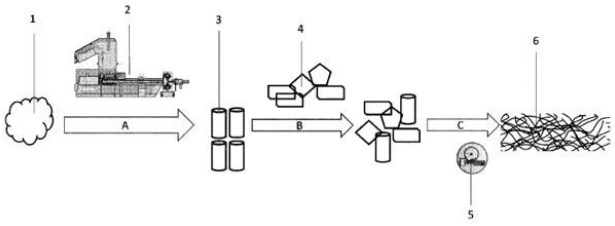
71: CSIR
72: Cox, Ettienne
33: GB 31: 1716534.1 32: 2017-10-09
54: A GAS DETECTION SYSTEM AND METHOD
00: -
This invention relates to a method of and system for facilitating detection of a particular predetermined gas in a scene under observation. The gas in the scene is typically associated with a gas leak in equipment. To this end, the system comprises an infrared camera arrangement; a strobing illuminator device having a strobing frequency matched to a frame rate of the camera; and a processing arrangement. The processing arrangement is configured to store a prior frame obtained via the infrared camera arrangement; and compare a current frame with the stored prior frame and generate an output signal in response to said comparison. The system also comprises a display device configured to display an output image based at least on the output signal generated by the processing arrangement so as to facilitate detection of the particular predetermined gas, in use.



21: 2023/08567. 22: 2023/09/06. 43: 2024/09/25
51: G10L
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: DISCH, Sascha, ANEMÜLLER, Carlotta, HERRE, Jürgen
33: EP 31: 21162142.0 32: 2021-03-11
33: EP 31: 21203832.7 32: 2021-10-20
54: AUDIO DECORRELATOR, PROCESSING SYSTEM AND METHOD FOR DECORRELATING AN AUDIO SIGNAL
00: -
A decorrelator comprises a plurality of delay units, wherein each delay unit is configured for receiving a part of a frequency representation being based on an audio signal, wherein each delay unit is configured for delaying the received part to provide a delayed part. The decorrelator comprises an envelope shaper configured for receiving and combining signals being based on the delayed parts of the frequency representation. The envelope shaper receives the frequency representation of the audio signal and is configured for adjusting an energy of the delayed parts in respect of the frequency representation of the audio signal. The envelope shaper is configured for providing a combined shaped frequency representation. Transient signal portions are handled by an adapted operation of the decorrelator.



21: 2023/08749. 22: 2023/09/13. 43: 2024/09/19
51: A61F; D01D; D01F; D04H
71: TWE MEULEBEKE
72: Greet DEWITTE, Dany MICHIELS, Hugo CHRISTIAEN, Véronique DECAMBRAY
33: EP 31: 21166826.4 32: 2021-04-02
54: METHOD TO RECYCLE POLYESTER-BASED NONWOVEN TO STAPLE FIBER
00: -
Contrary to packagings or bottles made of pure materials like PET, nonwovens usually consist of a mix of materials and are as such difficult to include in a recycling process. The present invention relates to a method for recycling polyester-based nonwovens comprising 5 to 50% of PET/coPET low melt staple fibers into polyester staple fibers (PSF), and further including these fibers into new nonwovens for a large variety of articles for applications in virtually any technical field.



21: 2023/08819. 22: 2023/09/18. 43: 2024/03/18
51: F42B; F42C; F42D
71: DETNET SOUTH AFRICAN (PTY) LTD
72: MULLER, Elmar Lennox, LIEBENBERG, Abraham Johannes
33: ZA 31: 2021/06163 32: 2021-08-24
54: WIRELESS INITIATING ARRANGEMENT
00: -
A wireless detonator initiating arrangement (10) which includes a first housing (20) which contains a receiver (24) and a signal processor (28), a second housing (36) which contains an explosive (38), a casing (52) which contains an initiator (16) which is responsive to the signal processor (28) to ignite the explosive (38) and a third housing (46) which contains a power source (50) to power the signal processor (28).

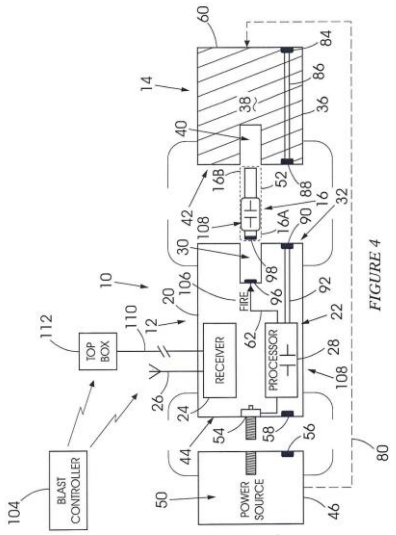
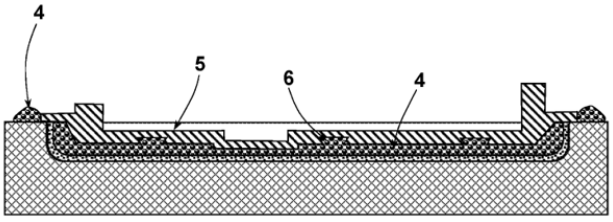


FIGURE 4

21: 2023/08917. 22: 2023/09/20. 43: 2024/10/07
51: B29C; B29K; B29L; B32B
71: ASCORIUM GMBH
72: Rudi FARINON, Geert TROSSAERT, Koen VANLANDSCHOOT, Yvan VANLUCHENE
33: DE 31: 10 2021 116 451.6 32: 2021-06-25
54: METHOD FOR PRODUCING A LINING PART FOR A VEHICLE, AND LINING PART PRODUCED USING SAID METHOD
00: -
The invention relates to a method for producing a lining part (8), in particular for the interior of a vehicle. According to the method, a support substrate (5) is positioned opposite a flexible decorative layer with the interposition of a foam coating, and the support substrate is adhesively connected thereto, wherein the raw foam compound used to form the foam layer (9) is foamed using a gas as a physical blowing agent and is applied onto the rear face of the decorative layer (3) and/or the support substrate (5) face facing the decorative layer (3) in the form of an expanded foam. As long as the expanded foam coating (4) is still flowable, the support substrate (5) is positioned at a defined distance to the rear face of the decorative layer (3) with the interposition of the expanded foam coating (4) so that the decorative layer (3) is connected to the support substrate (5) by the foam coating (4) and is held until the cross-linking process of the foam coating (4) has at least mostly concluded, wherein a part of the foam layer (4) which fills the original distance between the decorative layer (3) and the support substrate (5) is displaced and plastically compressed at least in some regions by the support substrate (5) during the process of positioning same.



21: 2023/08918. 22: 2023/09/20. 43: 2024/09/20
51: B65G
71: AMOVA GMBH
72: Bernd KLEIN, Bernd BÜDENBENDER
33: DE 31: 10 2021 117 938.6 32: 2021-07-12
54: STORAGE AND RETRIEVAL UNIT FOR A HIGH-BAY WAREHOUSE
00: -
The invention relates to a storage and retrieval unit (1) for a high-bay warehouse (2). The fact that the load accepting means (14) can pivot and move vertically in relation to the frame (11) of the storage and retrieval unit (1) outside the guide (13) of the load accepting means (14) allows a misalignment of

a storage item (3) to be compensated for during a transfer process.

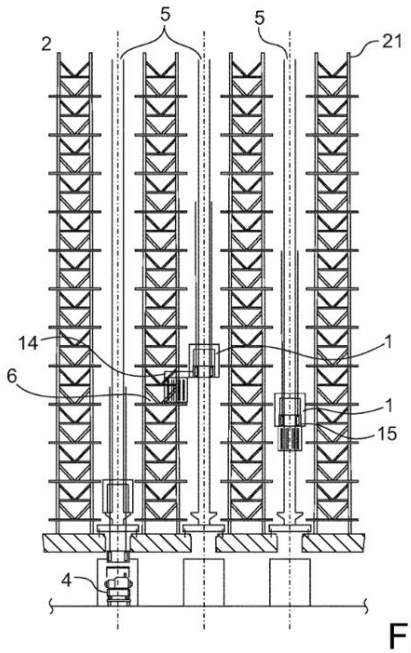
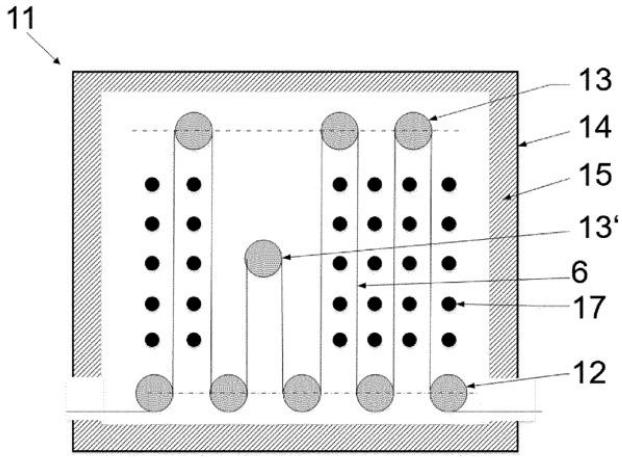


Fig. 1

21: 2023/09103. 22: 2023/09/27. 43: 2024/10/07
51: C21D; F27B
71: ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH
72: Jürgen ZIEMENDORFF, Martin HAMMAN
33: AT 31: A50422/2021 32: 2021-05-27
54: DEVICE AND METHOD FOR HEAT-TREATING A METAL STRIP
00: -
The invention relates to a strip treatment system for the continuous thermal treatment of a metal strip (6), comprising an annealing furnace and a heatable overageing chamber (11) downstream thereof. In the overageing chamber (11), the metal strip (6) is guided over a plurality of vertically spaced deflecting rollers (12, 12', 13, 13') so that the metal strip meanders through the overageing chamber (11). According to the invention, at least one deflecting roller (12', 13') is movable in the vertical direction, thus allowing the strip length or the residence time of the metal strip (6) in the overageing chamber (11) to be adjusted. The invention also relates to a method for the thermal treatment of a metal strip (6).



21: 2023/09175. 22: 2023/09/29. 43: 2024/10/07
51: C08G; C25B; H01M
71: RIVA POWER SYSTEMS GMBH & CO. KG
72: Dr. Andreas CHROMIK
33: DE 31: 10 2021 003 228.4 32: 2021-06-23
54: NEW PHOSPHONATED NON-FLUORINATED AND PARTIALLY FLUORINATED ARYL POLYMERS FROM SULFONATED ARYL POLYMERS AND NEW POLYMERIC PERFLUOROPHOSPHONIC ACIDS FROM PERFLUOROSULFONIC ACIDS, THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATIONS
00: -
The invention relates to a new substance class of high- and low-phosphonated aryl polymers and polymeric perfluorophosphonic acids, the starting material of which is their sulfonated form, and to a universal process for preparing phosphonated polymers from their sulfonic acid form and their uses in electromembrane applications.

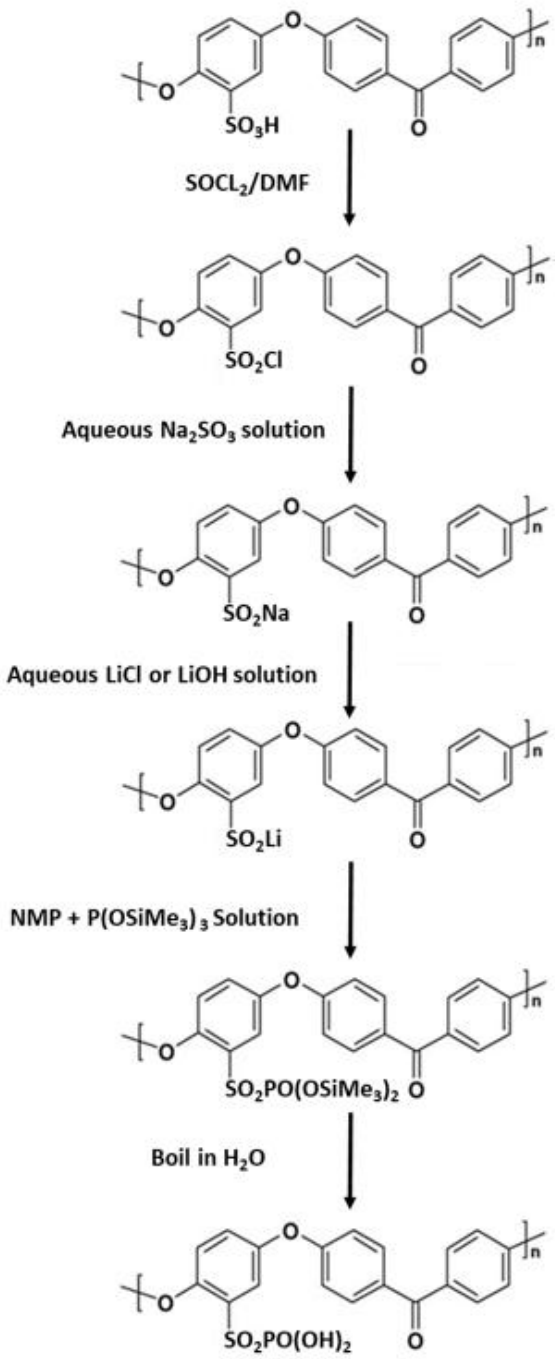


Fig. 4: Example of the reaction scheme for PEEK

21: 2023/09178. 22: 2023/09/29. 43: 2024/10/07
51: G01N; H01M
71: DRÄGER SAFETY AG & CO. KGAA
72: Stephan HAUPT, Rolf ECKHARDT
33: EP 31: 21198500.7 32: 2021-09-23

54: ELECTROCHEMICAL GAS SENSOR AND ELECTROLYTE FOR AN ELECTROCHEMICAL GAS SENSOR

00: -

The invention relates to an electrolyte for an electrochemical gas sensor and to an electrochemical gas sensor. The electrolyte comprises at least one ring-shaped compound on the basis of a pyridinium ring, a piperidinium ring, a pyrrolidinium ring or a pyrrolium ring and at least 5% of water.

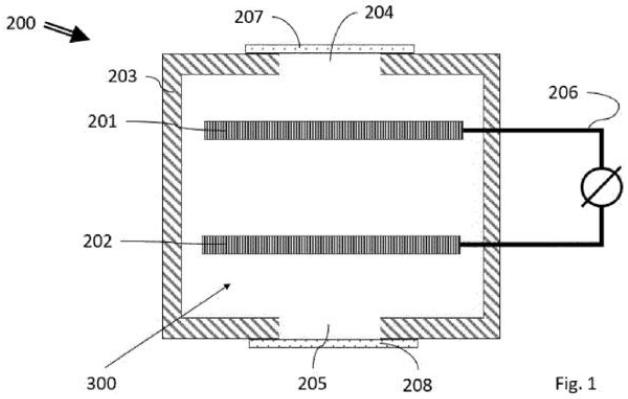


Fig. 1

21: 2023/09186. 22: 2023/09/29. 43: 2024/10/07
51: C08F; C08L
71: RIVA POWER SYSTEMS GMBH & CO. KG
72: Dr. Andreas CHROMIK
33: DE 31: 10 2021 003 229.2 32: 2021-06-23

54: NOVEL PHOSPHONATED FLUOROELASTOMERS (PFKMS), PHOSPHONATED PERFLUOROELASTOMERS (PFFKMS), THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATIONS

00: -

The invention comprises a new class of high and low phosphonated aliphatic fluoropolymer rubbers (pFKM) and perfluoropolymer rubbers (pFFKM) based on FKM and FFKM as well as the process for their preparation and their applications.

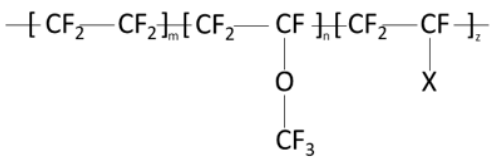


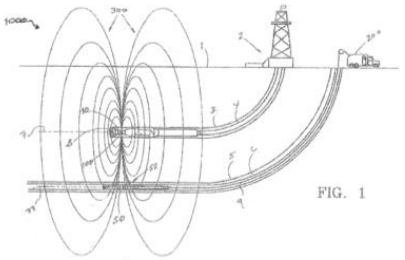
Fig. 1: Example of the basic structure for an FFKM with reactive group –X

21: 2023/09403. 22: 2023/10/09. 43: 2024/10/11

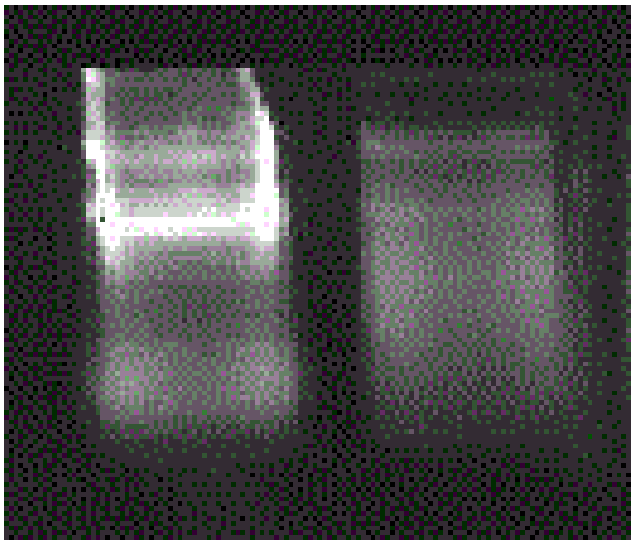
51: H03D
71: NARAINSAMY, Ashley Clifford
72: NARAINSAMY, Ashley Clifford
33: ZA 31: 2022/03943 32: 2022-10-07
54: NON-FM TO FM RF SIGNAL CONVERTER
00: -
This invention relates to a radio frequency (RF) signal transceiver-converter which comprises an RF transceiver and programmable logic means. The RF transceiver includes an RF receiver and transmitter configured to receive a first transmission format RF signal and to transmit a second transmission format RF signal. The RF transceiver is also restricted to transmission on a predetermined, restricted range of radio frequencies. The programmable logic means is programmed to active the RF receiver and uses the RF receiver to receive the first transmission format RF signal and converts it into the second transmission format RF signal. The programmable logic means further uses the RF receiver to scan frequencies in the restricted radio frequency range for unused frequencies, selects an unused frequency, which is not signal-carrying, and uses the RF transmitter to transmit the second format RF signal on the selected frequency

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21: 2023/09501. 22: 2023/10/11. 43: 2024/09/19
51: E21B; G01V
71: VECTOR MAGNETICS LLC
72: KUCKES, Arthur F, THOMPSON, Morgan
54: A DOWNHOLE ASSEMBLY WITH PNEUMATIC ISOLATION
00: -
The present invention is directed to an apparatus for use on a structural member having a longitudinal axis. The structural member conducts a pressurized fluid in an operational state. The apparatus includes a housing member having a first end, a second end, and at least one protective enclosure configured to accommodate at least one device. The housing member moves on the structural member parallel to the longitudinal axis in the operational state with a substantially frictionless reciprocating motion. The housing member is rotationally registered to the structural member when coupled thereto. A first pneumatic isolator is formed at the first end and receives a first pressurized fluid portion of the pressurized fluid in the operational state to thus drive the housing member toward a second direction of the substantially frictionless reciprocating motion. A second pneumatic isolator is formed at the second end and receives a second pressurized fluid portion of the pressurized fluid in the operational state to thus drive the housing member toward a first direction of the substantially frictionless reciprocating motion opposite the second direction. The substantially frictionless reciprocating motion is a function of external stimuli, the first pressurized fluid portion and the second pressurized fluid portion such that the housing member is substantially isolated from the external stimuli.


FIG. 1

21: 2023/10351. 22: 2023/11/07. 43: 2024/05/10
51: C12N
71: Northwest A&F University, SHAANXI QINBAO ANIMAL HUSBANDRY DEVELOPMENT CO., LTD
72: Yang Wucai, Tan Jianbing, Qiu Liang, Yang Benshun, Zan Linsen, Zhang Taoping
54: OPTIMIZED METHOD FOR EXTRACTING RNA OF MILK FAT
00: -
Provided is an optimized method for extracting RNA of milk fat, falling within the field of molecular genetic breeding of dairy cows. The optimized method for extracting RNA of milk fat includes the following steps: S1. sample acquisition; S2. homogenization; S3. upper lipid layer removal; S4. incubation; S5. isolation; S6. uniform mixing; S7. re-centrifugation; S8. precipitate washing; S9. centrifugation for purification; S10. air-drying and dissolving of RNA; and S11. final assay. After the pyrolysis by a Trizol reagent, the milk fat is re-centrifuged to ensure the purify of the RNA extracted. In the process of precipitation of RNA by an isopropyl alcohol solution, RNase-free Glycogen reagent is added to improve the concentration, purify, and integrity of RNA.



21: 2023/11197. 22: 2023/12/05. 43: 2024/09/03
51: B60L; H02M
71: CAPACTECH LIMITED
72: LUCAS-CLEMENTS, Charles, HAJILOO, Ashkan Daria, MOGHADAM, Mansour Salehi, O'BRIEN, Gareth, QUENNELL, Dominic
33: EP 31: 21178610.8 32: 2021-06-09
33: EP 31: 21198991.8 32: 2021-09-24
33: EP 31: 21212633.8 32: 2021-12-06

54: POWER SUPPLY AND DISTRIBUTION NETWORKS

00: -

A power supply system comprises a first node connected to a second node via an electrically conducting cable, wherein the cable is conducting alternating current at high frequency (e.g. 100Hz or higher, e.g. 20KHz or higher) between the first and second nodes, and the electrically conducting cable is a capacitive cable. A power supply at the high frequency can be connected to the first node, or a power supply at 50 or 60Hz can be connected to a converter outputting power at the high frequency with the converter output connected to the first node. A converter can be connected to the second node, or an electrical appliance operating using high frequency power can be connected to the second node. A related wireless electric vehicle charging system comprises (a) a power supply, optionally a power supply system of the invention, (b) an inverter connected to the power supply and adapted to output power at a high frequency, e.g. 1kHz and above, and (c) a plurality of wireless charging stations, each comprising at least one transmitter, wherein the inverter is connected to each of the plurality of wireless charging stations using a capacitive cable.

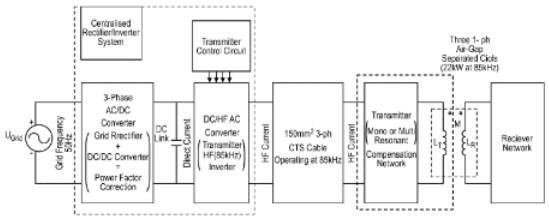


FIG. 2

21: 2023/11321. 22: 2023/12/08. 43: 2024/09/27
51: A61B; G06K; G16H
71: BEIJING INSTITUTE OF TECHNOLOGY
72: YE, Chuyang, ZHANG, Xinru, WEN, Ziqi, LIU, Chenghao
33: CN 31: 2023104514855 32: 2023-04-25

54: PROMPT-LEARNING-BASED ZERO-SHOT BRAIN LESION SEGMENTATION METHOD, SYSTEM, DEVICE AND MEDIUM

00: -

The present invention discloses a prompt-learning-based Zero-Shot brain lesion segmentation method, system, device and medium. The method includes: using a FLAIR modality of an available lesion-free healthy magnetic resonance image (MRI), then completing two different prompt schemes according to hyper/hypo intensity signals obtained by doctors by comparing tumors and abnormal tissues, and obtaining a validation set and a training set respectively; obtaining training models under different hyper-parameters according to different set hyper-parameters; performing hyper-parameter integration for the obtained models to obtain a final model for test, and completing the test to obtain a final segmentation result. The present invention has the advantages that higher accuracy rate and recall rate can be achieved on the brain lesion segmentation task, the lesion segmentation efficiency can be improved, and the intensity of demands for human and financial resources can be reduced.

21: 2023/11374. 22: 2023/12/11. 43: 2024/07/31
51: A61K; A61Q; C08B; C08L
71: Givaudan SA
72: JOSET, Nathalie, ALBRECHT, Nathalie, BRUNNER, Gerhard, LOVCHIK, Martin, MEUNIER,

Marie, REYNAUD , Romain, SCANDOLERA, Amandine
33: GB 31: 2110211.6 32: 2021-07-15
54: IMPROVEMENTS IN OR RELATED TO ORGANIC COMPOUNDS
00: -
The present invention provides a hydroxypropyltrialkylammonium hyaluronate and/or salt thereof, having a degree of cationization of more than 1.4.

21: 2023/11518. 22: 2023/12/14. 43: 2024/09/03
51: B60T
71: NEW YORK AIR BRAKE LLC
72: PARISIAN, Michael L., MARGESON, Scott
33: US 31: 63/217,549 32: 2021-07-01
54: ELECTRONIC AIR BRAKE SYSTEM AND METHOD OF PERFORMING A CONSIST SWAP WITHOUT A RISK OF ROLLAWAY
00: -
One aspect of the invention relates to a method comprising the steps of: -providing a computer controlled brake (14) having a first magnet valve (54) that can selectively couple an actuating pipe (42) to atmosphere, thereby preventing any pressurisation of the actuating pipe and a subsequent release of a locomotive automatic brake and a second magnetic valve (64) that can selectively pressurize an independent application and release pipe (44), thereby keeping a brake cylinder pressure in a locomotive independent brake applied and preventing a loss in the locomotive independent brake, the method being characterised by further comprising the the steps of: -receiving an operator input indicating a consist swap is desired; and - using the computer controlled brake to operate the first magnet valve to couple the actuating pipe to atmosphere and to operate the second magnet valve to pressurize independent application and release pipe in order to thus enable performing a consist swap without a risk of rollaway. A further aspect of the invention relates to an electronic air brake system, which is configured to perform said method.

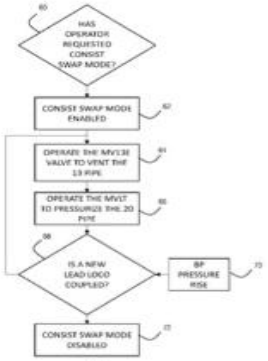
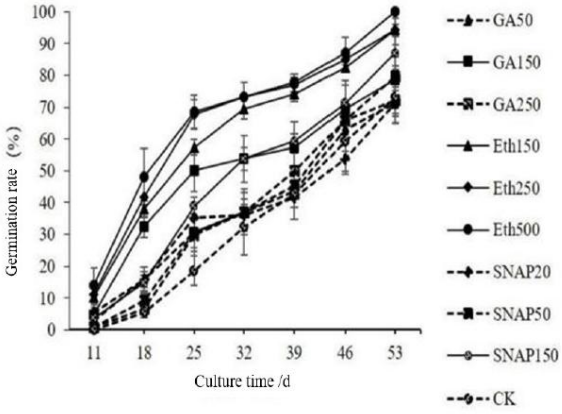


FIG. 5

21: 2024/00009. 22: 2024/09/25. 43: 2024/09/27
51: B03B
71: Ndimande Attorneys
72: Ndimande
54: BIO-CAR
00: -
LIVE LIFE WITHOUT LIMITS The new Nissan Navara has upped the ante in ruggedness, style, safety, comfort and driving pleasure while remaining true to its heritage of durability, reliability, versatility, and fuel efficiency. And the complete confidence of knowing that whatever you want to do, wherever you want to go, you can count on the new locally produced Nissan Navara to take you there.

21: 2024/00080. 22: 2024/01/02. 43: 2024/09/27
51: A01G
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, SHANDONG TAISHANGHUANGJING BIOTECHNOLOGY CO., LTD
72: WANG, Yue, WANG, Jianghui, SUN, Jiabo, HAN, Jinlong, WANG, Qian, ZHAO, Yanxia, WANG, Dan, CHEN, Shujun
54: RAPID SEEDLING GROWING METHOD FOR POLYGONATUM KINGIANUM SEEDS
00: -
Disclosed is a seedling growing method for Polygonatum kingianum seeds, including the steps: peeling Polygonatum kingianum seeds harvested in the same year, removing impurities, disinfecting the seeds, soaking the seeds with an ethephon solution; mixing the seeds soaked with the ethephon solution and wet sand according to a ratio of 1:4, and culturing the mixture in darkness at 25℃; earthing primary rhizomes of the Polygonatum kingianum at a temperature of 0℃; soaking the primary rhizomes of the Polygonatum kingianum with a 6-BA solution; sowing the primary rhizomes in seedling trays filled with substrates, controlling the ambient temperature

at 25℃, wherein illumination time is 14 hours, and darkness time is 10 hours. Polygonatum kingianum seeds are rapid in seedling emergence, high in seedling emergence uniformity and short in seedling growing cycle; dormancy of the Polygonatum kingianum seeds can be efficiently broken; healthy seedlings are obtained.

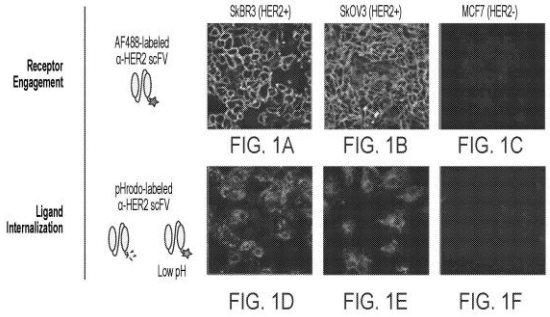


21: 2024/00158. 22: 2024/01/03. 43: 2024/08/16
51: A61K
71: Generation Bio Co.
72: SAMAYOA, Phillip, SILVER, Nathaniel, LI, Prudence Yui Tung, TOY, Randall Newton, NOLTING, Birte, OONTHONPAN, Lalita
33: US 31: 63/221,290 32: 2021-07-13

54: SINGLE CHAIN VARIABLE FRAGMENT (SCFV) MODIFIED LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF

00: -

Provided herein are pharmaceutical compositions comprising a lipid nanoparticle (LNP) and a therapeutic nucleic acid (TNA), wherein the LNP comprises a single-chain variable fragment (scFv) linked to the LNP, and at least one pharmaceutically acceptable excipient. The scFv is capable of binding an antigen present on the surface of a cell, advantageously providing LNP compositions that target only those cells or tissues expressing the receptor.

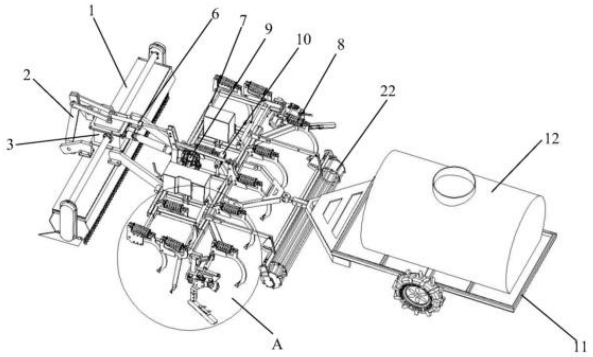


21: 2024/00179. 22: 2024/01/04. 43: 2024/09/27
51: A01B
71: TARIM UNIVERSITY
72: HE, Yichuan, TANG, Zhihui, YI, Xiaokang, WANG, Xufeng, ZHANG, Hong, MA, Shaohui, GUO, Zhanhong, SHEN, Shuai

54: ORCHARD WEEDING AND FERTILIZING MACHINE

00: -

Disclosed an orchard weeding and fertilizing machine, which includes a weeding box provided with a weeding rotating shaft with weeding scrapers for scraping necks of weeds and a traction frame a transmission case, a furrowing colter, a fertilizer solution suction pump and a liquid disperser a fertilizer cart, a furrowing stander and a fertilizer solution tank are all arranged on the weeding box; The transmission case transfers the power of an engine to the weeding rotating shaft and the fertilizer solution suction pump which pumps fertilizer in the solution tank to the dispenser, the liquid dispenser conveys the fertilizer solution to opened furrows. The necks of weeds on the ground surface are cut by the weeding scrapers, the roots of the original weeds and the underground ecological environment are reserved, the protective cultivation of the orchard is realized, and the loss of water and soil is avoided.



21: 2024/00193. 22: 2024/01/04. 43: 2024/08/16
51: G16H
71: Targan Inc.
72: GRENON, Joshua David, ADAMS, Jonathan M.
33: US 31: 63/234,034 32: 2021-08-17
54: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DELIVERING A SUBSTANCE TO A SUBJECT
00: -
A method for accurately administering a substance to a subject in motion is provided including obtaining one or more scans of the subject. The subject has at least one defined target region thereon for delivery of the substance. A three dimensional position of the subject in motion is calculated based on the obtained one or more scans of the subject. The three dimensional position includes X, Y, and Z coordinates defining the three dimensional position. A timing adjustment is calculated based on the calculated three dimensional position of the subject in motion. A timing of the delivery of the substance to the at least one defined target region is adjusted based on the subject using the calculated timing adjustment. The obtaining, calculating the three dimensional position, calculating the timing adjustment and the adjusting are performed by at least one processor.

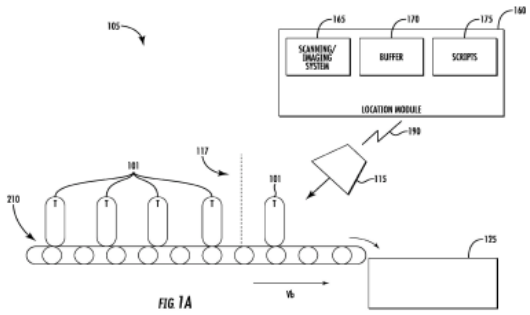
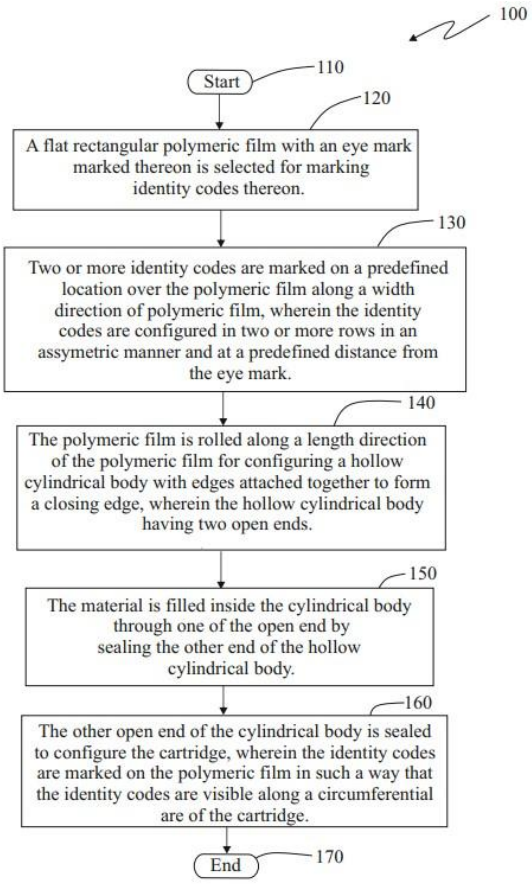


FIG 1A

21: 2024/00229. 22: 2024/01/05. 43: 2024/08/16
51: C08L; C09J
71: Henkel AG & Co. KGaA
72: SCHROEDER, Benjamin, HELLWIG, Nils, KAULISCH, Anna, ZICKUHR, Ivonne
33: EP(DE) 31: 21178332.9 32: 2021-06-08
54: DIMENSIONALLY STABLE ADHESIVE COMPOSITION CONTAINING ENZYMATICALLY MODIFIED STARCH
00: -
The invention relates to a dimensionally stable adhesive composition comprising enzymatically modified starch and to the use of the adhesive composition as a glue stick.

21: 2024/00521. 22: 2024/01/15. 43: 2024/08/16
51: B65C
71: PROPIX TECHNOLOGIES PRIVATE LIMITED
72: ASHWIN, Kapadnis
33: IN 31: 202121031752 32: 2021-07-14
54: A METHOD FOR MARKING IDENTITY CODES ON A CARTRIDGE
00: -
The present invention relates to a method (100) for marking unique identity codes (10) on a cartridge (20). The method (100) includes printing multiple unique identity codes (10) on a predefined location (20a) over the cartridge (20). The unique identity codes (10) are marked on the polymeric film (30) in such a way that the unique identity codes (10) are visible along a circumferential area (40g) of the cylindrical cartridge (20).



21: 2024/00567. 22: 2024/01/17. 43: 2024/09/27
51: A23K
71: INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, HEILONGJIANG AGRICULTURAL ENGINEERING VOCATIONAL COLLEGE
72: ZHANG, Haifeng, LI, Jingrong, TIAN, Ming, CHEN, Heshu, FENG, Yanzhong, HE, Xinmiao, WANG, Wentao, LIU, Di

54: MICROBIAL AGENT FOR INCREASING CONVERSION RATE OF PIG FEED

00: -

The present invention discloses a microbial agent for increasing a conversion rate of pig feed. The microbial agent includes the following components in parts by weight: 30-40 parts of bean pulp meal, 20-30 parts of shell powder, 10-20 parts of corn meal, 40-60 parts of straw powder, 10-20 parts of medical stone powder, 8-20 parts of sweet potato waste, 5-15 parts of manioc waste, 4-10 parts of Haematococcus extract, 4-10 parts of Bauhinia variegata extract, 2-8 parts of achyranthan, 2-6 parts of zinc methionine and 10-18 parts of composite culture. The preparation method in the present invention is simple; and after added into pig feed, the prepared microbial agent can increase the conversion rate of the pig feed, maintain intestinal structures and functions and ensure intestinal flora, thereby further accelerating growth and development of pigs and increasing immunity of the pigs.

21: 2024/00573. 22: 2024/01/17. 43: 2024/09/27
51: A01B; A01C; A01G
71: ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, JIUQUAN ACADEMY OF AGRICULTURAL SCIENCES
72: WANG, Zenghui, GUO, Jianwei, CHEN, Xiaojun, ZHENG, Rong, WANG, Juan, LI, Jiali, WANG, Xing, GUAN, Chengping

54: METHOD OF CULTIVATING SWEET CORNS BY EARLY SOWING

00: -

The present application discloses a method of cultivating sweet corns by early sowing, including the steps: Soil selection and preparation: performing ditching and soil preparation, and applying well-rotted farmyard manure, a phosphate fertilizer and a nitrogen fertilizer as base fertilizers for sowing; Sowing: performing ditching in early to middle of September, spot sowing the sweet corns in ditches, mulching white films on the ditches; sowing flax on both sides of sweet corn seedlings in late October; placing the sweet corn seedlings in early November; field management: irrigation and fertilization: performing irrigation and fertilization according to growth of the sweet corns and the flax and a humidity of soils, intertillage for soil loosening and disease and pest control; harvest: picking fresh ears of the sweet corns in early January for putting on the market, timely cutting off main stalks to facilitate growth of the flax, and finally, harvesting the flax timely.

21: 2024/00598. 22: 2024/01/17. 43: 2024/08/16
51: C08G; C08L
71: Boise State University
72: PHILLIPS, Scott, NOGALES, Kyle
33: US 31: 63/218,037 32: 2021-07-02

54: STABLE POLY(ALKYL ALDEHYDE)S

00: -

A substance may include polymers that include reagent end-capped poly(acetal)s, where a differential scanning calorimetry process exhibits no

endothermic peaks for monomers for a first heat cycle of a heat-cool process applied to the reagent end-capped poly(acetal)s and for a second heat cycle of the heat-cool process. The disclosed polyacetals may be stable at 23 ºC, open to the air, for at least 1 month.

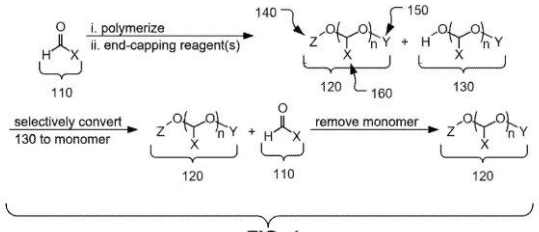
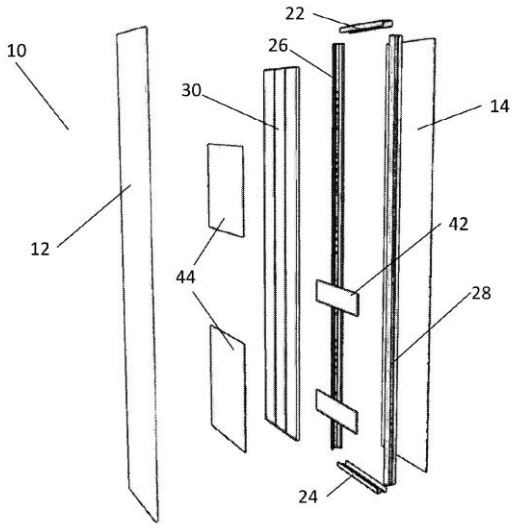
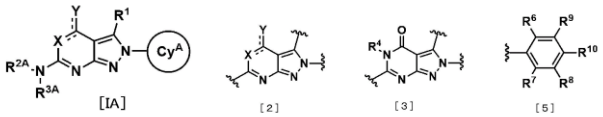


FIG. 1

21: 2024/00652. 22: 2024/01/18. 43: 2024/08/16
51: E04B
71: Eekowall Limited
72: PLATT, Derek, REILLY, Michael
33: GB 31: 2109234.1 32: 2021-06-25
54: WALL PANEL
00: -
A prefabricated wall panel for forming internal walls in a building is described. In an embodiment the panel comprises a rear board; a front board forming an internal wall for a room, said front board spaced away from said rear board to form a cavity; and a wireway disposed within the cavity, wherein the wireway comprises one or more channels that run substantially from a base of the wall panel to a top of the wall panel to allow services to pass through the panel, and wherein the wireway constrains cabling of the services within a channel.



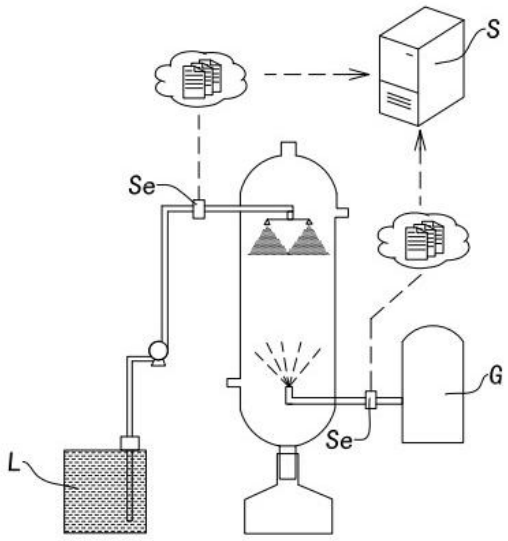
21: 2024/00656. 22: 2024/01/18. 43: 2024/08/16
51: A61K; A61P; C07D
71: Japan Tobacco Inc.
72: OHBA, Yusuke, ADACHI, Kaoru, NISHIMARU, Tatsuya, SAKURAI, Kentaro, OGOSHI, Yosuke, SATO, Shimpei
33: JP 31: 2021-141253 32: 2021-08-31
54: 6-AMINOPYRAZOLOPYRIMIDINE COMPOUND AND PHARMACEUTICAL USE THEREOF
00: -
Provided are: a 6-aminopyrazolopyrimidine compound having an inhibitory activity on NLRP3 inflammasomes or a pharmaceutically acceptable salt thereof; a pharmaceutical composition containing the same; and a pharmaceutical use thereof. A compound represented by formula [IA] or a pharmaceutically acceptable salt thereof. [IA] (In the formula, the partial structure [2] is a structure represented by formula [3] (in the formula, R^4 is hydrogen or a C_{1-4} alkyl (where the alkyl may be substituted with hydroxy or cyano)), and a cyclic group Cy^A is a group represented by formula [5] (in the formula, R^6 and R^7 are each independently hydrogen, hydroxy, cyano, C_{1-6} alkyl, or the like, R^8 and R^9 are each independently hydrogen, C_{1-4} alkyl, or C_{1-4} haloalkyl, and R^{10} is hydrogen, cyano, C_{1-6} alkyl, or the like), R^1 is hydrogen or C_{1-4} alkyl, R^{2A} and R^{3A} are each independently hydrogen, C_{1-6} alkyl, or the like, or R^{2A} and R^{3A} together with a nitrogen atom to which they are bonded may form a 4-membered to 7-membered heterocycloalkyl, or the like, to which a $-NR^{2A}R^{3A}$ group may be substituted.)



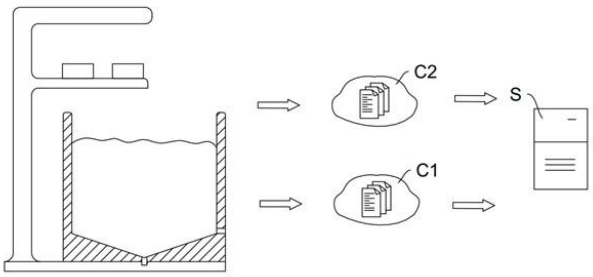
21: 2024/00697. 22: 2024/01/19. 43: 2024/08/16
51: C07C
71: Lummus Technology LLC
72: BARIAS, Rosette, CHEN, Liang
33: US 31: 63/223,614 32: 2021-07-20
54: TRIFUNCTIONAL PROCESSES IN CATALYTIC DISTILLATION
00: -

A process for the production of alkyl ethers including feeding a hydrocarbon feedstock and a first alcohol feedstock to a fixed bed reactor containing an etherification catalyst. The hydrocarbon feedstock and the first alcohol feedstock are contacted in the first fixed bed reactor to react the isoolefins with the alcohol in the presence of the etherification catalyst to produce a first product stream. The first product stream is fed together with a hydrogen feedstock and a second alcohol feedstock to a catalytic distillation reaction system containing a trifunctional catalyst to concurrently isomerize at least a portion of the alpha-olefins, hydrogenate at least a portion of the diolefins, and etherify at least a portion of the isoolefins and alcohol, producing a bottoms product comprising the one or more ethers and an overhead product comprising n-alkanes, isoalkanes, unreacted alpha-olefins, unreacted intemal-olefins, unreacted isoolfins, and unreacted alcohol.

21: 2024/00752. 22: 2024/01/22. 43: 2024/09/27
51: C01D; G06F; G06N; G16C
71: FUJIAN LONGDE NEW ENERGY CO., LTD
72: FU, Yanqiong, FU, Weipeng, LIU, Ting
33: CN 31: 202310178520.0 32: 2023-02-28
54: FLUID CIRCULATION REACTION CONTROL SYSTEM AND METHOD FOR LITHIUM HEXAFLUOROPHOSPHATE PREPARATION
00: -
The present application relates to the field of intelligent lithium hexafluorophosphate preparation, and specifically discloses a fluid circulation reaction control system and method for lithium hexafluorophosphate preparation. By using an artificial intelligence detection technology based on depth learning, a time-series high-dimensional implicit association feature distribution of a flow rate value of a LiF·HF solution and an introduced flow rate value of a PF5 gas is excavated by a time-series encoder, and a collaborative association therebetween is established for classification processing. In this way, the flow rate value of the LiF·HF solution is controlled in real time and adaptively based on the collaborative association between the flow rate value of the LiF·HF solution and the introduced flow rate value of the PF5 gas, whereby the LiF·HF solution reacts more fully with the PF5 gas, thereby improving lithium hexafluorophosphate preparation efficiency and material utilization.



21: 2024/00753. 22: 2024/01/22. 43: 2024/09/30
51: C01B; G06F; G06N; G16C
71: FUJIAN DEXU NEW MATERIALS CO., LTD
72: LIU, Wentong, LUO, Zhaohua, HUANG, Fuliang
33: CN 31: 202310248056.8 32: 2023-03-15
54: METHOD FOR PREPARING HIGH-PURITY PHOSPHORUS PENTAFLUORIDE
00: -
A method for preparing high-purity phosphorus pentafluoride is provided, including: acquiring reaction temperature values and reactor pressure values at a plurality of predetermined time points within a predetermined time period. The artificial intelligence technology based on deep learning is used to establish a mapping relationship between a time sequence change of the reaction temperature values and a time sequence change of the reactor pressure values, and the reaction temperature values are controlled accurately in real time based on a time sequence cooperative correlation relationship of the two, thereby optimizing the reaction efficiency and the reaction adequacy.

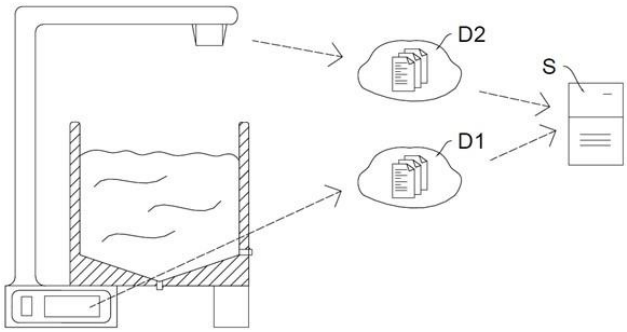


21: 2024/00754. 22: 2024/01/22. 43: 2024/09/27
51: B01D; C01D
71: FUJIAN LONGDE NEW ENERGY CO., LTD
72: DAI, Haoxiang, ZHANG, Yongyan, XIE, Guangming
33: CN 31: 202310178512.6 32: 2023-02-28

54: CONTROL SYSTEM AND METHOD FOR ULTRASOUND-INDUCED HEXAFLUOROPHOSPHATE CRYSTALLIZATION

00: -

Disclosed is a control system and method for ultrasound-induced hexafluorophosphate crystallization. The method includes the following steps: firstly, passing a plurality of frequency domain statistical eigenvalues obtained after Fourier transformation of an ultrasound signal and a waveform graph of the ultrasound signal through a CLIP model to obtain an ultrasonic working eigenmatrix; then, extracting a plurality of crystallization monitoring key frames from a crystallization monitoring video of a hexafluorophosphate solution at a predetermined time period before passing through a convolution neural network (CNN) model to obtain a plurality of crystallization monitoring eigenmatrices; then, expanding the plurality of crystallization monitoring eigenmatrices before inputting into a context encoder to obtain a crystallization time sequence correlation eigenvector; calculating a transfer vector of the crystallization time sequence correlation eigenvector relative to the ultrasonic working eigenmatrix as a classification eigenvector; and finally performing feature distribution correction on the classification eigenvector.

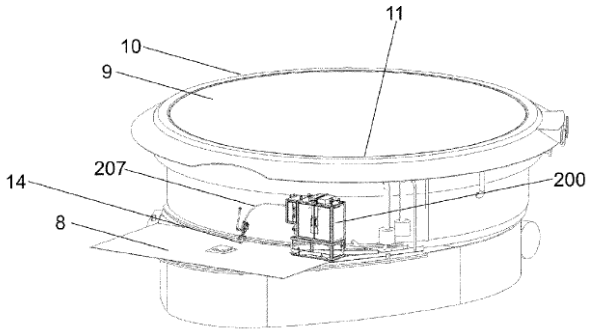


21: 2024/00783. 22: 2024/01/23. 43: 2024/08/06
51: G01J; G01K; G02B
71: HERAEUS ELECTRO-NITE INTERNATIONAL N.V.
72: JANSSEN, Gert, VAN VLIERBERGHE, Michel, VRANCKX, Luc
33: EP 31: 21193152.2 32: 2021-08-26

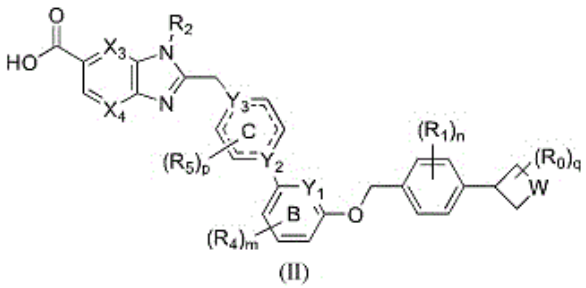
54: MEASURING APPARATUS AND METHOD FOR MEASURING THE TEMPERATURE OF A MOLTEN METAL BATH WITH AN OPTICAL DEVICE

00: -

The present invention relates to a measuring apparatus for measuring the temperature of a molten metal bath, comprising an optical device, a detecting means, a storing unit for the optical device, a rotatable support for the storing unit for the optical device, a moving means, a straightening means, a housing and a guiding system connected to the housing. The housing encloses the detecting means, the storing unit for the optical device, the rotatable support for the storing unit of the optical device, the moving means, and the straightening means. The moving means is adapted to feed and retract the optical device and comprises at least one motor for forward and backward driving the rotatable support for the storing unit for the optical device and a feeding means for feeding the optical device driven by at least one motor for forward and backward driving. The invention also relates to a method using a corresponding measuring apparatus for measuring the temperature of a molten metal bath.



21: 2024/00786. 22: 2024/01/23. 43: 2024/08/06
51: C07D; A61K; A61P
71: HANGZHOU ZHONGMEIHUADONG PHARMACEUTICAL CO., LTD.
72: ZHAI, WENQIANG, ZHANG, ZHIMIN, WANG, ZHE, PAN, HAO, GUO, LIUBIN, WANG, QIAN
33: CN 31: 202110702643.0 32: 2021-06-24
54: GLP-1 RECEPTOR AGONIST AND COMPOSITION AND USE THEREOF
00: -
Provided are a GLP-1 receptor agonist compound and a composition and use thereof. The compound can be used for treating or preventing GLP-1 receptor-mediated diseases or disorders and related diseases or disorders. (II)



(II)

21: 2024/00787. 22: 2024/01/23. 43: 2024/08/06
51: C07K; A61P; A61K
71: AKESO BIOPHARMA, INC, AKESO PHARMACEUTICALS, INC.
72: WANG, ZHONGMIN, LI, BAIYONG, XIA, YU
33: CN 31: 202110842497.1 32: 2021-07-23
54: PHARMACEUTICAL COMPOSITION AND USE
00: -
A pharmaceutical composition comprising an anti-TIGIT antibody or an antigen-binding fragment thereof, and an anti-CTLA4-anti-PD-1 bispecific antibody or an antigen-binding fragment thereof. Specifically, a heavy chain variable region of the antibody contains HCDR1-HCDR3 having amino acid sequences as shown in SEQ ID NOs: 3-5, respectively, and a light chain variable region contains LCDR1-LCDR3 having amino acid sequences as shown in SEQ ID NOs: 8-10, respectively.

21: 2024/00793. 22: 2024/01/23. 43: 2024/08/06
51: A01N; A01P
71: PI INDUSTRIES LTD.
72: DUTTA, Ashim Kumar, GADE, Vishwanath, SONAR, Harshal Bhika
33: IN 31: 202111028384 32: 2021-06-24
54: A COMBINATION OF FLUBENDIAMIDE AND SEAWEED EXTRACT
00: -
The present invention discloses a combination of flubendiamide and at least one seaweed extract. The present invention also discloses to methods and compositions for the effective control of unwanted pests and mites and/or unwanted acarids. Further, the present invention discloses a method for stimulating and promoting growth of a plant and to increase yield and quality the crop.

21: 2024/00830. 22: 2024/01/24. 43: 2024/08/16
51: A23K; A23L
71: Ynsect
72: SARTON DU JONCHAY, Thibault, KIRECHE, Adam, LAFFORGUE, Anthony, PEYRICHOU, Fanny
33: FR 31: 2107607 32: 2021-07-13
54: METHOD FOR PREPARING A GEL BLOCK
00: -
The present invention relates to a method for preparing a gel block comprising the following steps: - providing an alginate and calcium carbonate preparation (S1), - providing a buffer solution (S2), - mixing (E4) the alginate and calcium carbonate preparation (S1) with the buffer solution (S2) using a mixing tee comprising an outlet duct, and subsequently, - gelling said mixture in a gelator formed by the outlet duct, and/or a duct connected to the outlet duct, to form a gel block.

21: 2024/00833. 22: 2024/01/24. 43: 2024/08/16
51: F15B; F16K
71: ITT Manufacturing Enterprises LLC
72: BERKOVITZ, Igor, HADAR, Yoel
33: US 31: 17/460,224 32: 2021-08-29
54: FOUR PISTON SCOTCH YOKE ACTUATOR
00: -

A Scotch yoke actuator (10) includes a housing (28) formed with four piston bores (27) spaced equally 90° from each other, a shaft (12) with four yokes (14), each of the yokes (14) having a slot (16), and four pistons (19) including two pairs of 180° opposing pistons (19), one pair of the opposing pistons (19) being orthogonal to the other pair of the opposing pistons (19). Each of the pistons (19) is arranged for linear motion in one of the piston bores (27). Each of the pistons (19) includes a piston rod (18) which includes a piston pin (20) which is slidable in the slot (16). Linear motion of the pistons (19) in the piston bores (27) causes rotation of the shaft (12).

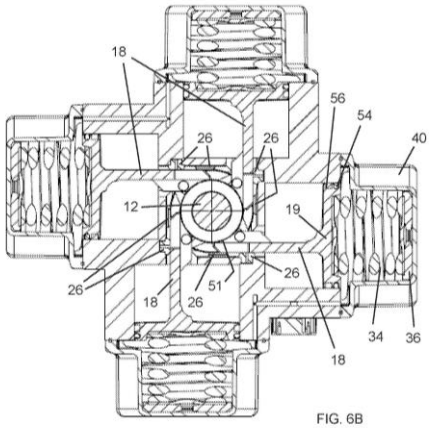
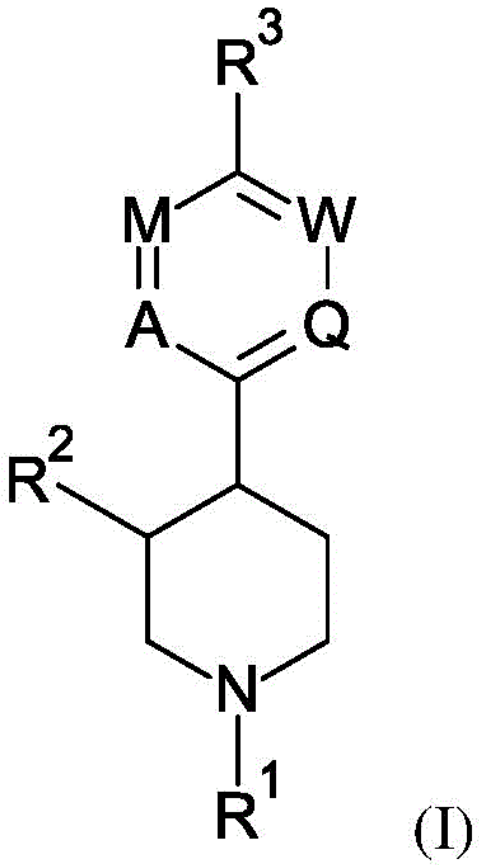


FIG. 6B

21: 2024/00834. 22: 2024/01/24. 43: 2024/08/16
51: A61P; C07D
71: F. Hoffmann-La Roche AG
72: CHEN, Dongdong, DEY, Fabian, HONG, Xin, WANG, Xiaoqing, ZHANG, Zhisen, ZHU, Wei, ZOU, Ge
33: PCT/CN 31: 2021/120406 32: 2021-09-24
54: PYRAZOLO[3,4-B]PYRIDINE COMPOUNDS FOR THE TREATMENT OF AUTOIMMUNE DISEASE
00: -
The present invention relates to compounds of formula (I), (I), wherein R^1 to R^3, A, M, W and Q are as described herein, and their pharmaceutically acceptable salt thereof, and compositions including the compounds and methods of using the compounds.

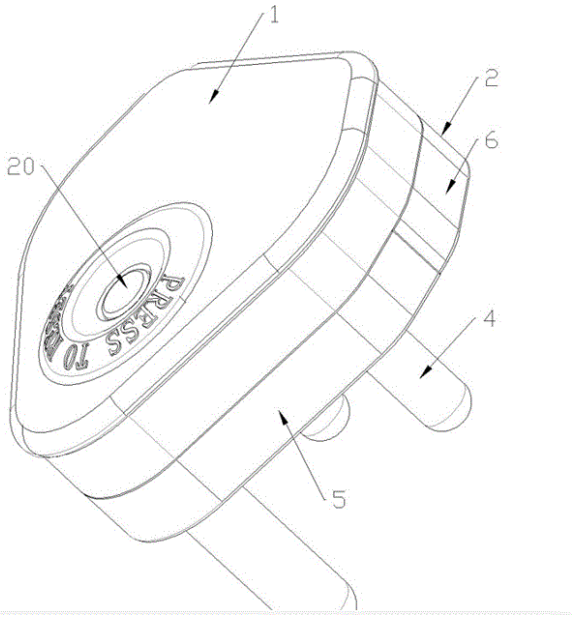


(I)

21: 2024/00847. 22: 2024/01/25. 43: 2024/08/05
51: A61K
71: PHARMAPLOT PRIVATE COMPANY
72: SRYRIDON, Mavrokordopoulos
33: GR 31: 20230100084 32: 2023-02-02
54: PHARMACEUTICAL COMPOSITION CONTAINING APIXABAN AND PROCESS FOR THE PREPARATION THEREOF
00: -
The present invention relates to an improved pharmaceutical composition comprising a therapeutically effective quantity of apixaban or a pharmaceutically acceptable salt thereof, as an active ingredient, wherein said composition is a suspension and a process for the preparation thereof.

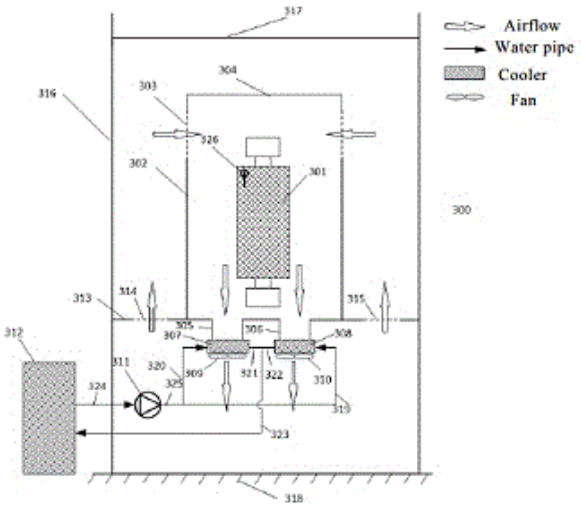
21: 2024/00852. 22: 2024/01/25. 43: 2024/08/01
51: H01R
71: Hangzhou XiangHe Electric Appliance Co., Ltd.
72: ZHENG Ruxiang
33: CN 31: 2023234121174 32: 2023-12-14
54: PLUG WITH ANTI-OVERLOAD PROTECTION FUNCTION

00: -
The invention discloses a plug with an anti-overload protection function. The plug includes an upper shell, a lower shell, an overload protector and three pins. The lower shell includes a bottom shell and a side shell. Both the bottom shell and the side shell are detachably connected with the upper shell and form a cavity. One side of the bottom shell is connected to the side shell and is provided with three wiring slots. Two pins and three wiring slots are distributed at intervals along one side of the bottom shell, and the remaining one pin is distributed on the corresponding other side of the bottom shell. The overload protector is connected to the bottom shell. The side shell is provided with three plug-in blocks match the wiring slots. Wiring assemblies are disposed in the wiring slot. The pins are outside the cavity and located on one side of the bottom shell, where one pin penetrates the bottom of the bottom shell and is electrically connected to one of the wiring assemblies through the overload protector. The other pin on one side of the bottom shell and the pin on the corresponding side of the bottom shell penetrate the bottom shell and are electrically connected to the other two wiring assemblies respectively. The invention has the beneficial effects of improving safety performance.



21: 2024/00857. 22: 2024/01/25. 43: 2024/08/05
51: H01F

71: ENVISION ENERGY CO., LTD
72: WU, NUBIN, CHEN, XIONG, YANG, JIAN, XU, RONG, YANG, HENGHUI, TAN, LINCHUAN, SU, BAOHUAN, YIN, LU
33: CN 31: 202110818155.6 32: 2021-07-19
54: SEMI-OPEN HIGH-POWER DEVICE COOLING SYSTEM AND COOLING METHOD
00: -
The present invention relates to the technical field of cooling systems, and provides a semi-open high-power device cooling system and method. The system comprises a semi-open high-power device structure, a semi-open high-power device, inner heat dissipators, inner heat dissipator fans, and a pipeline connection cooling system. According the present invention, the cooling requirements of the semi-open high-power device and a closed environment can be satisfied at the same time, such that the total cost of the cooling system is greatly reduced; according to the present invention, the convective heat transfer of the outer wall of the semi-open high-power device structure can be enhanced by 5-10 kW, thereby significantly reducing self-power-consumption of the cooling system; and according to the present invention, by cancelling a cooling backpack and arranging a plurality of inner heat dissipators below the semi-open high-power device, the pressure of size restriction for a high-power device in a layout of the closed environment is effectively relieved, and localized hot spots of a heat generating element are effectively reduced using double-sided ventilation compared to single-sided ventilation.



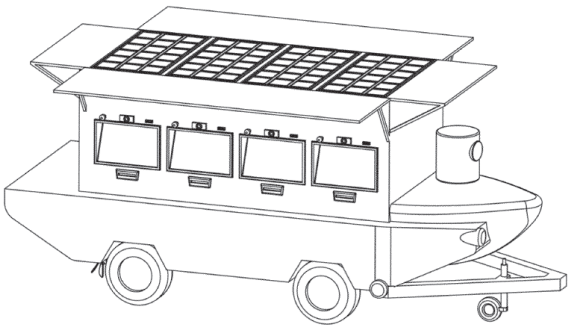
21: 2024/00862. 22: 2024/01/25. 43: 2024/08/05

51: B60F; G09B
71: DAYN AMADE INVENTIONS LTD
72: AMADE, Dayn
33: GB 31: 2112487.0 32: 2021-09-02

54: AMPHIBIOUS MOBILE CLASSROOM SYSTEM

00: -

The present invention provides an amphibious mobile system adapted to provide comprehensive digital learning facilities in remote areas. The system further comprises a touch screen display on the amphibious vehicle. The system further comprises a processor configured to communicate with the display and receive user input on the display. Data gathered via user inputs is compared against the metrics of emotional expression of interest gathered by the camera. The system further comprises a location sensor on the amphibious vehicle configured to determine a geographical location of the vehicle and configured to communicate the location to the processor. The processor is configured to communicate with a database before determining the type of information that is relevant to the specific location of the amphibious vehicle. The system may comprise the database. Alternatively, the system may further comprise a network communication module on the vehicle, in communication with the processor. The network communication module is configured to allow the processor to communicate wirelessly with a network device at a location that is remote from the amphibious vehicle.

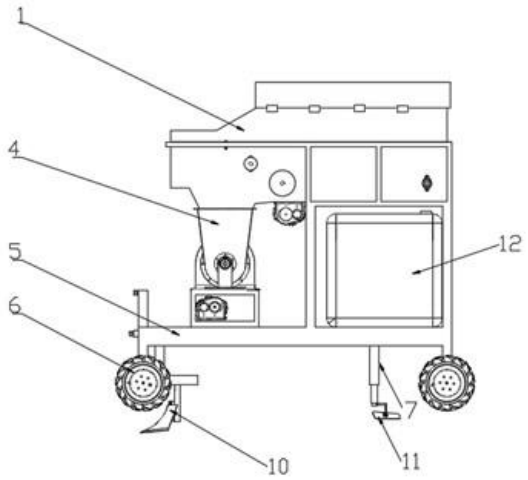


21: 2024/00883. 22: 2024/01/26. 43: 2024/09/27
51: A01B
71: NORTHWEST A & F UNIVERSITY
72: FENG, Baili, LI, Jiang, YANG, Pu, ALIAKSANDR, Ivanistau, YANG, Qinghua, CHEN, Haiyang, WANG, Honglu, LI, Yang

54: STRIP TYPE DEEP-BURYING MACHINE FOR CRUSHING BUNDLED MILLET STRAW

00: -

The invention belongs to the technical field of agricultural appliances, in particular to a strip type deep-burying machine for crushing bundled millet straw, which comprises a rack. An unbundling and crushing feeding mechanism is fixed at an upper end of the rack; a crushing and transporting mechanism is connected with a lower side of the unbundling and crushing feeding mechanism; a furrow opener and a furrow coverer are mounted at left and right sides of a lower end of the rack respectively; walking wheels are mounted at the bottom of the rack; a chemical agent box and spray nozzle are mounted on the rack; the spray nozzle is located at a straw inlet of the unbundling and crushing feeding mechanism; the furrow opener has a soil excavating section and a streamlined section; and the crushing and transporting mechanism is provided with an auger and is of a bidirectional spiral structure.



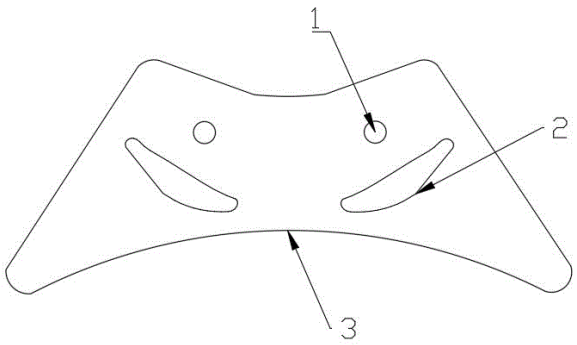
21: 2024/00887. 22: 2024/01/26. 43: 2024/08/01
51: A61B
71: Songlei Wang
72: Songlei Wang, Hao Meng, Cuijuan Ma, Yiliang Zhang, Wei Song, Linchen Bai
33: CN 31: 2023108948622 32: 2023-07-20

54: AN EXTRA-MEDULLARY POSITIONING TOOL AND OSTEOTOMY METHOD FOR DISTAL FEMUR IN TOTAL KNEE ARTHROPLASTY

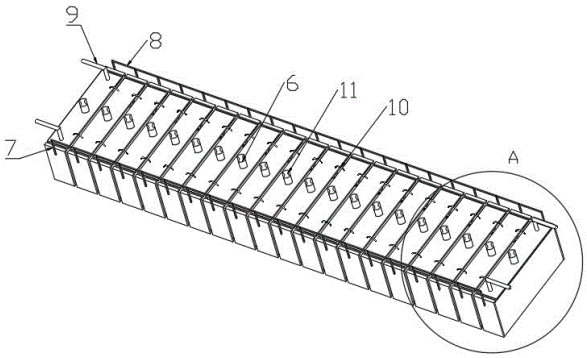
00: -

An extra-medullary positioning tool and osteotomy method for distal femur in total knee arthroplasty comprises a femoral anterior condyle measuring osteotomy mold, the femoral anterior condyle

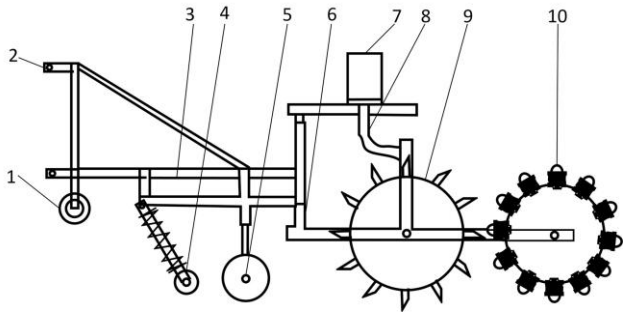
measuring osteotomy mold is provided with first fixed nail holes, observation holes, and a saw blade slot; a femoral distal measuring osteotomy mold, the femoral distal measuring osteotomy mold comprises an observation area set at the top, a force line rod slot, a first flying knife slot, and a second flying knife slot. This invention combines the aforementioned femoral anterior condyle measuring osteotomy mold, femoral distal measuring osteotomy mold, and osteotomy method to achieve the non-intramedullary femoral distal osteotomy in total knee arthroplasty; compared with traditional intramedullary osteotomy, it has significant advantages: its accuracy is comparable to robotic tools, and it is easy to operate, practical and generalizable.



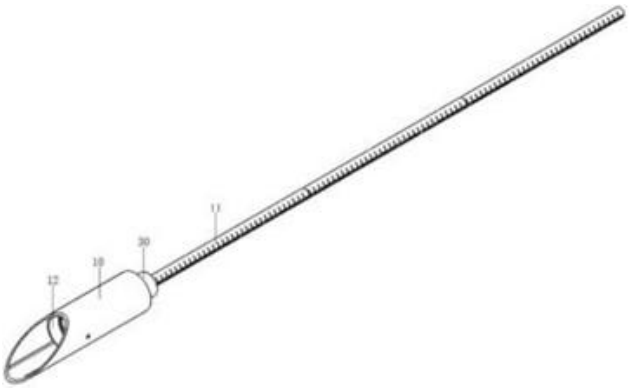
21: 2024/00888. 22: 2024/01/26. 43: 2024/08/01
51: A61H
71: Quzhou People's Hospital
72: Jianhua Yang, Runcheng Yang, Lihua Zheng
54: ADJUSTABLE MOXIBUSTION INSTRUMENT
00: -
The invention discloses an adjustable moxibustion instrument, comprising edge covers at two ends and a plurality of frameworks in the middle, the first connecting plates are provided between the edge covers at two ends and the framework; two ends of the first connecting plate are rotatably connected with the edge covers and frameworks respectively; the second connecting plates are provided between adjacent two groups of frameworks, and two ends of the second connecting plate are rotatably connected with the frameworks respectively. By adopting the above structure, the invention can well fit the back curve to realize large area moxibustion, improve the effect of moxibustion, can be applied to different patients, the application scope of which is more extensive. The cover edge is equipped with smoke pipes, which can effectively exhaust the smoke inside the device, and is more practical.



21: 2024/00889. 22: 2024/01/26. 43: 2024/09/27
51: A01C
71: NORTHWEST A & F UNIVERSITY
72: YANG, Qinghua, LI, Jiang, ALIAKSANDR, Ivanistau, FENG, Baili, GAO, Xiaoli, YANG, Pu, WANG, Honglu, WANG, Hongliang
54: MILLET FILM PRECISION HILL PLANTER FOR ARID AREAS
00: -
The invention belongs to the technical field of agricultural machinery, in particular to a millet film precision hill planter for arid areas, comprising a main rack. A film forming roller and film pressing rollers are installed on the left side of the main rack, the film pressing roller is located on the lower right of the film forming roller, a soil coverer is connected with the right side of the bottom of the main rack and located on the right side of the film pressing roller, a copying rack is connected at the right end of the main rack, a sowing box is installed at the upper end of the copying rack, a duck-billed hill planter and an adaptive compacting machine are connected with the right side of the copying rack, and a grain conductor is installed between the sowing box and the duck-billed hill planter.



21: 2024/00894. 22: 2024/01/26. 43: 2024/09/27
51: E02F; G01N
71: BGRIMM TECHNOLOGY GROUP
72: LIN, Xingjie, PANG, Zhikun, MIAO, Yu, ZHANG, Chi, LI, Fangze, ZHANG, Ge, TAN, Haiwei, FAN, Shukai, SONG, Shuang
54: MULTIFUNCTION LUOYANG SHOVEL FOR INVESTIGATING SOIL AND SOLID WASTE POLLUTION
00: -
The utility model relates to a multifunction Luoyang shovel for investigating soil and solid waste pollution, which includes a shovel head, wherein a first end of the shovel head is provided with an accommodating cavity with one side open, and a second end is provided with a through hole communicated with the accommodating cavity; a shovel rod, wherein the shovel rod is detachably installed on the second end of the shovel head; and a check valve, wherein the check valve is detachably installed in the accommodating cavity. By arranging the detachable check valve, the shovel head can adapt to different terrains and can thoroughly take out soil or solid waste in different situations from the ground. The Luoyang shovel is simple in structure, simple in operation and suitable for large-scale popularization and application.



21: 2024/00958. 22: 2024/01/29. 43: 2024/08/06
51: C01B; C01C; C25B
71: Casale SA
72: MASANTI, Matteo, CORBETTA, Michele, OSTUNI, Raffaele, BIALKOWSKI, Michal Tadeusz, OLDANI, Fabio
33: EP(CH) 31: 21188921.7 32: 2021-07-30
54: INTEGRATED PROCESS FOR THE SYNTHESIS OF AMMONIA AND NITRIC ACID
00: -
An integrated process for the synthesis of ammonia and nitric acid, including the production of hydrogen from electrolysis of water, is controlled by a selective switching between a first mode of operation and a second mode of operation, wherein in the first mode of operation ammonia is produced in excess and is stored in a suitable ammonia storage; in the second mode of operation the ammonia from said ammonia storage is used to provide an additional input of ammonia to the production of nitric acid; the switching between said first mode and second mode is based on the amount of power which is transferred to the electrolysis of water.

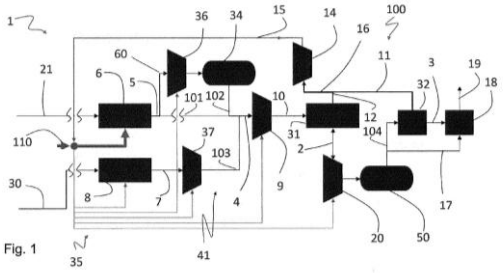
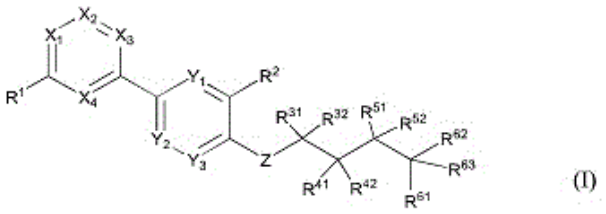


Fig. 1

21: 2024/00988. 22: 2024/01/30. 43: 2024/08/06
51: C07D; A61K; A61P
71: XIZANG HAISCO PHARMACEUTICAL CO., LTD.
72: LI, YAO, WANG, WENJING, SHI, ZONGJUN, ZHANG, HAOLIANG, DU, CHENGLONG, CHENG, FENGKAI, LIU, XIN, ZHANG, XIAOZHUAN, WANG, LONG, TANG, PINGMING, YU, YAN, ZHANG, CHEN, YAN, PANGKE
33: CN 31: 202111105950.7 32: 2021-09-22
33: CN 31: 202111324545.4 32: 2021-11-10
33: CN 31: 202111465224.6 32: 2021-12-03
33: CN 31: 202110801701.5 32: 2021-07-15
54: AAK1 INHIBITOR AND USE THEREOF
00: -
A compound of formula (I) and a stereoisomer, deuterated compound, solvate, prodrug, metabolite, pharmaceutically acceptable salt or co-crystal thereof, or a pharmaceutical composition containing same, and the use thereof as an AAK1 inhibitor in

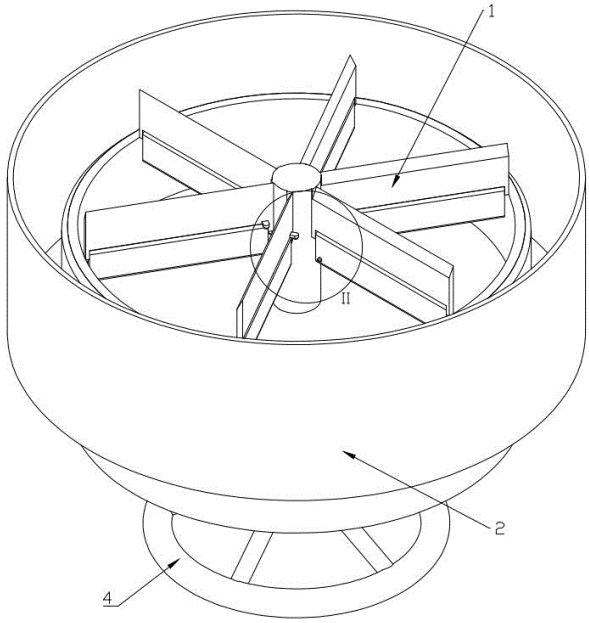
the preparation of a drug for treating related diseases.



(I)

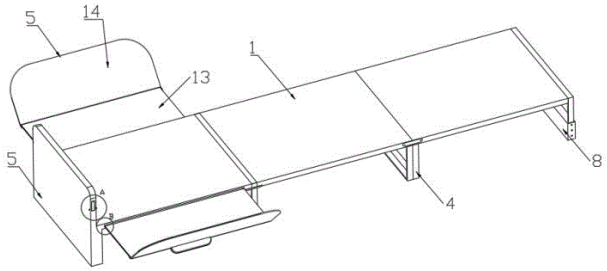
21: 2024/00990. 22: 2024/01/30. 43: 2024/08/06
51: B29B; B29K; B29L
71: ALL SUN, TECHNI-TERRE
72: LETIERCE, Luc, DURAND, Rémi, TOURNERIE, Jean-Pierre, GIRODET, Laurent
33: EP 31: 21189417.5 32: 2021-08-03
54: METHOD FOR SHREDDING AND RECYCLING USED BIG-BAGS AND FACILITY FOR IMPLEMENTING THE METHOD
00: -
Method for shredding and recycling used big-bags consisting of a continuous internal bag made of polyethylene and an external outer made of polypropylene, wherein: • - At least one big-bag is compacted to a thickness of less than 20 cm; • - Said compacted big-bag(s) is (are) conveyed to a shredding unit, and • - Said at least one compacted big-bag is shredded at a shredding unit, the speed at which said compacted big-bag is conveyed to the shredding unit and the cutting frequency of said unit being such that between 100 and 1000 cuts/m are performed on the compacted big-bag(s) so as to obtain, on the one hand, strips of PE and, on the other, fragments of the PP outer; • - Said PE strips are separated from the PP fragments to obtain a first fraction of PP fragments and a second fraction of PE strips, the latter being processed by applying a second shredding of the polyethylene strips; • - Said two fractions are cleaned; • - A first extruder is fed with said cleaned first fraction to obtain PP granules and a second extruder is fed with said cleaned second fraction to obtain PE granules.

21: 2024/01019. 22: 2024/01/31. 43: 2024/08/05
51: G01N
71: Qiuchan Wu
72: Qiuchan Wu, Linlin Zheng
54: AUTOMATIC SAMPLING APPARATUS FOR CHEMICAL ENGINEERING DETECTION AND USE METHOD THEREOF
00: -
The invention relates to an automatic sampling apparatus for chemical engineering detection, comprising a split type sampling mechanism, a sampling storage mechanism, a quantity adjustment mechanism and driving components. The invention relates to the technical field of the chemical sampling, and in particular to an automatic sampling apparatus for chemical engineering detection and a use method thereof. The invention utilizes the shape and position changes of a fully loaded split type sampling mechanism. On the one hand, during the sampling process, the powdered sample can be flattened to fill the entire sampling storage mechanism. On the other hand, the angle changes of the movable blades can sense whether the central sample chamber is currently full, and sampling can be stopped after receiving a full signal.

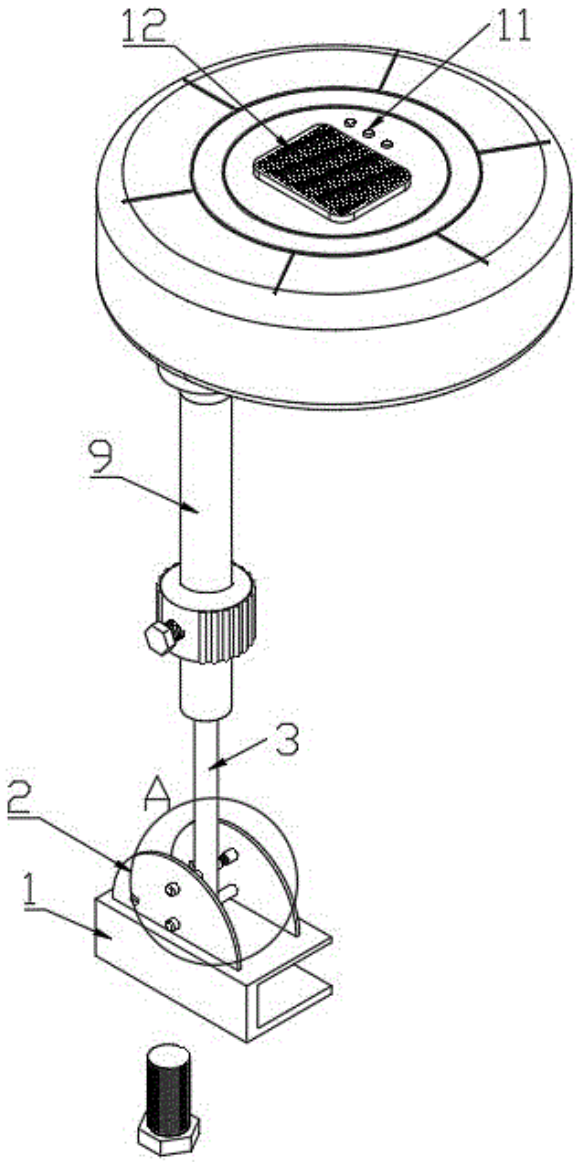


21: 2024/01021. 22: 2024/01/31. 43: 2024/08/05
51: A47C
71: Quzhou People's Hospital
72: Sufang Ye, Xinmei Zhang
54: FOLDABLE ACCOMPANYING BED
00: -
The invention discloses a foldable accompanying bed, including a plurality of folding components, a plurality of folding components unfold to form the accompanying bed, a headboard is provided on one

side of the end folding components, hidden hooks are provided on both sides of the headboard, and support frames are provided between the folding components, the top of which is flush with the folding components. The invention adopts the structure design of hidden hooks, which can hang relevant articles according to the needs and provide convenience to the accompanying personnel. The invention adds support frames between the folding components to ensure the flatness of the folding bed and avoid discomfort caused to the caregivers because of the dent at the folding place.

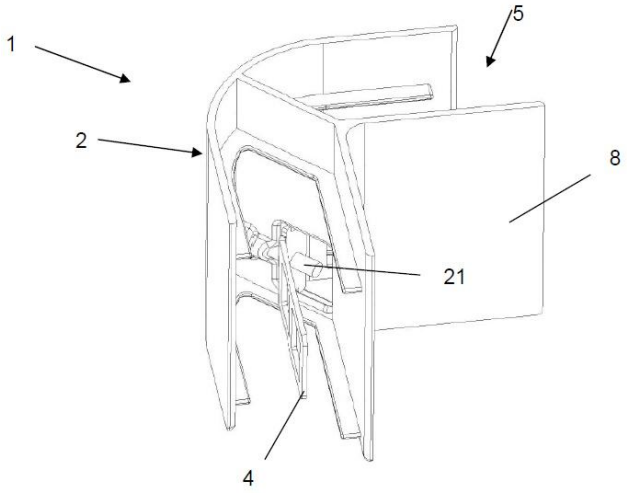


21: 2024/01022. 22: 2024/01/31. 43: 2024/08/05
51: A61B
71: PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE
72: Hong Fu, Deju Li, Yan Lin
54: A VITAL SIGN MONITORING AND NURSING DEVICE FOR CRITICALLY ILL PATIENTS
00: -
A vital sign monitoring and nursing device for critically ill patients comprises a connecting base, the connecting base is fixed to one side of the hospital bed through a fixing bolt; adjustment plates are arranged on the connecting base, and an angle-adjustable support rod is arranged on the adjustment plates for keeping the support rod vertically or horizontally; the top end of the support rod is rotatably connected to a vital sign monitoring device for monitoring the patient's vital signs. This invention combines the connecting base, the adjustment plates, the support rod, and the vital sign monitoring device, it can accommodate the vital sign monitoring device on one side of the hospital bed as needed, enabling real-time monitoring of critical patients' vital signs, this addresses the inconvenience of manual measurement and the large size of the equipment in the existing technology.

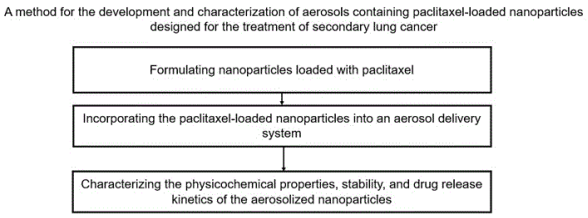


21: 2024/01079. 22: 2024/02/01. 43: 2024/08/08
51: E04C; E04H
71: HICKLEY, Nicolaas Hendrik
72: HICKLEY, Nicolaas Hendrik
33: ZA 31: 2021/05327 32: 2021-07-28
54: CONCEALED STRUCTURAL ELEMENT FASTENING SYSTEM
00: -
The invention comprises a concealed structural element fastening system comprising a first structural element and a second structural element, and a fastener configured to secure the first structural element and the second structural element to, and in abutment with, each other; with the first

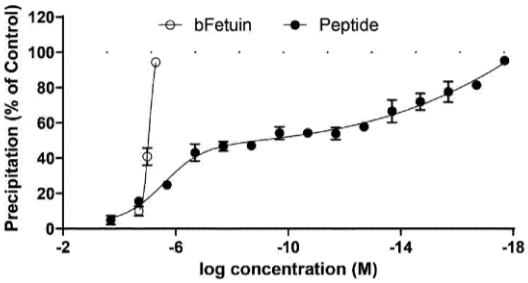
structural element including a fastener guide configured to movably secure the fastener to the first structural element and guide movement of the fastener along an engagement path between a disengaged position and an engaged position; with the fastener including an engagement formation complimentary configured to an engagement formation on the second structural element, operatively for the engagement formations of the fastener and the second structural element to become engaged with movement of the fastener from the disengaged position to the engaged position to secure the second structural element to the first structural element.



21: 2024/01108. 22: 2024/02/05. 43: 2024/08/08
51: A61K
71: Dr. Sunkara Murali Krishna, Dr. S. Mohamed Halith, Dr. K. Kranthi Kumar, Dr. Upendra Galgatte, Dr. Neelam Pawar, Dr. Anasuya Patil, Mr. Mohammad Muztaba, Mr. Brijesh Kumar Saroj, Dr. Pravin Naik, Dr. Gunjan Jeswani
72: Dr. Sunkara Murali Krishna, Dr. S. Mohamed Halith, Dr. K. Kranthi Kumar, Dr. Upendra Galgatte, Dr. Neelam Pawar, Dr. Anasuya Patil, Mr. Mohammad Muztaba, Mr. Brijesh Kumar Saroj, Dr. Pravin Naik, Dr. Gunjan Jeswani
33: IN 31: 202321073977 32: 2023-10-30
54: DEVELOPMENT AND CHARACTERIZATION OF AEROSOL CONTAINING PACLITAXEL LOADED NANOPARTICLES FOR THE TREATMENT OF SECONDARY LUNG CANCER
00: -
This invention presents Development and characterization of Aerosol containing Paclitaxel Loaded Nanoparticles for the Treatment of secondary Lung Cancer. The present invention comprising of performing in vitro experiments to evaluate the kinetics of drug release and assess cytotoxic effects, conducting in vivo experiments using appropriate animal models to assess the aerosolized nanoparticles' effectiveness in combating cancer and evaluating the collected data to ascertain the therapeutic promise of the aerosols in the management of secondary lung cancer. Further, the present invention includes in vivo investigations encompass the evaluation of parameters such as tumour size, metastatic spread, and pulmonary function.



21: 2024/01136. 22: 2024/02/05. 43: 2024/08/08
51: A61K; C07K; A61P
71: UNIVERSITEIT MAASTRICHT, ACADEMISCH ZIEKENHUIS MAASTRICHT
72: WELTING, Tim Johannes Maria, VAN DEN AKKER, Guus Gijsbertus Hubert, SCHURGERS, Leon Johannes, VAN RHIJN, Lodewijk Willem
33: EP 31: 21183609.3 32: 2021-07-05
54: MEANS AND METHODS FOR THE TREATMENT OF CALCIUM CRYSTAL DEPOSITION DISEASES
00: -
The invention is in the field of medical treatments, in particular the treatment of humans, more in particular humans with calcium deposition diseases. In one aspect, the invention provides polypeptides that prevent or decrease the precipitation of calcium crystals in the human body, also known as ectopic calcification. More in particular, the invention relates to a circular polypeptide consisting of an amino acid sequence according to SEQ ID NO: 1, wherein the amino acids are D-amino acids, pharmaceutical compositions comprising a polypeptide as described herein and their use in the treatment of a disease selected from the group consisting of osteoarthritis, frozen shoulder syndrome, heterotopic ossification, vascular calcification, kidney stones and calcinosis.



21: 2024/01141. 22: 2024/02/05. 43: 2024/08/08
51: G06Q
71: China Unionpay Co., Ltd.
72: CAI, Jianbo, SHAN, Changsheng, NI, Dezhong, GUO, Yuhang, PAN, Chenyu, LU, Rui
33: CN 31: 202111038223.3 32: 2021-09-06
54: CARD BINDING METHOD, USER TERMINAL, SERVER, SYSTEM AND STORAGE MEDIUM
00: -
A card binding method, a user terminal, a server, a system, and a storage medium, belonging to the field of data processing. The method comprises: receiving access of a user terminal to a first page address indicated by calling a first application to scan an information carrier pattern, and acquiring a card number of a target card indicated by the information carrier pattern (S201); acquiring user information of a target user from a background server of the first application program (S202); sending a second page address corresponding to a redirected card binding page to the user terminal (S203), the card binding page comprising at least part of the card number of the target card; receiving a card binding confirmation message indicating identity information of the target user and sent by the user terminal on the basis of the card binding page (S204); and using the identity information to interact with a card issuing server and the background server of a card binding application to complete binding of a card identifier of the target card with a user identifier of the target user in the card binding application (S205). The present method can improve the card binding efficiency of an application program.

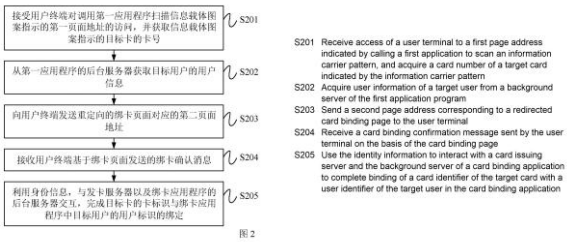
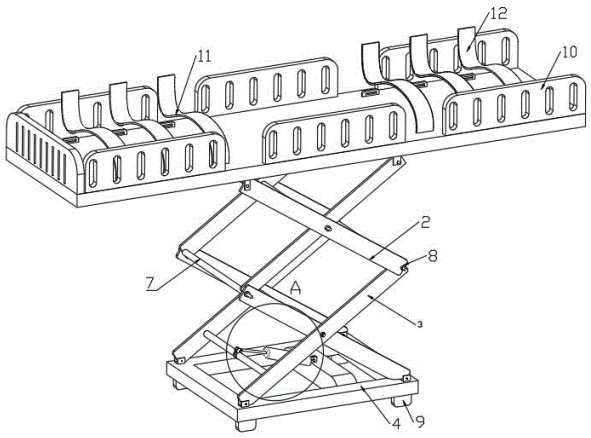


图 2

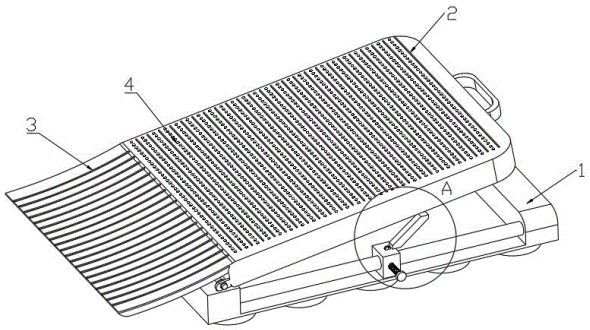
21: 2024/01162. 22: 2024/02/06. 43: 2024/08/15
51: A61G
71: PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE
72: Youzhen Chen, Yan Lin, Deju Li
54: PATIENT TRANSFER DEVICE FOR CLINICAL USE IN CRITICAL CARE MEDICINE
00: -
The invention discloses a patient transfer device for clinical use in critical care medicine, comprising a transfer bed board, a telescopic bracket is provided below said transfer bed board, support rods are provided at the lower part of said telescopic bracket, a support base is provided at the bottom end of said telescopic bracket, and a hydraulic cylinder is provided between said support base and the support rod on the telescopic bracket; one end of said hydraulic cylinder is rotatably connected to the support base, and the other end thereof is rotatably connected to the support rod on the telescopic bracket. The invention adopts a combination of a plurality of structures such as transfer bed board, telescopic bracket, support rods, support base and hydraulic cylinder to provide a device for adjusting the height of transfer bed board through expansion and contraction of the hydraulic cylinder, wherein the medical personnel can adjust corresponding hydraulic cylinder for expansion and contraction as required, thereby matching the height between the transfer bed board and the hospital bed to facilitate increasing transfer efficiency in the transfer process of the critically ill patient, and saving transferring time of patients.



21: 2024/01163. 22: 2024/02/06. 43: 2024/08/15
51: A61G
71: PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE
72: Yan Lin, Youzhen Chen, Hong Fu

54: ASSISTIVE DEVICE FOR PATIENT TURNING OVER IN CLINICAL CARE MEDICINE

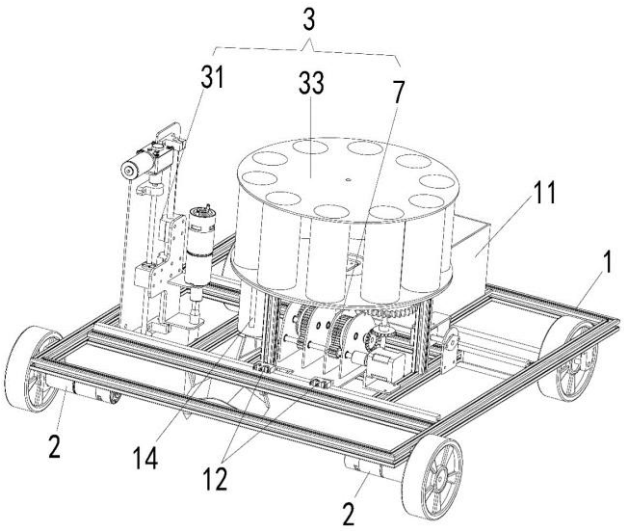
00: -
The invention discloses an assistive device for patient turning over in critical care medicine, comprising a support base, and on said support base is provided with an angle-adjustable turn-over assistive plate; the end of said turn-over assistive plate is rotatably connected to the front end of the support base, and the front end of said turn-over assistive plate is provided with an arc plate arranged in an inclined manner, and the arc plate at the front end of said turn-over assistive plate is provided to extend underneath the patient; an anti-slip component is provided on said turn-over assistive plate for increasing the anti-slip performance between patient and the turn-over assistive plate. The invention combines a plurality of structures such as support base, turn-over assistive plate, arc plate, and anti-slip component to assist the critically ill patient to turn over, thereby reducing the labor intensity of medical personnel manually turning over the critically ill patient, avoiding certain parts of critically ill patient from being squeezed because of not being able to turn over, so that the patient's blood circulation becomes smooth, avoiding pressure sores on the skin of the critically ill patient.



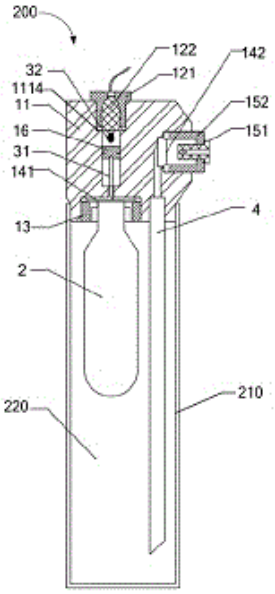
21: 2024/01169. 22: 2024/02/06. 43: 2024/09/30
51: A01C
71: Wuyi University
72: Zhenquan ZENG, Quan LIN, Longhui ZHENG, Wenjie ZHANG, Xuehai ZUO, Fei GAO, Jiebin JIANG, Nanhua CHEN
33: CN 31: 202310264414.4 32: 2023-03-17

54: AUTOMATIC PLANTING APPARATUS FOR SALSOLA TREES

00: -
An automatic planting apparatus for sacsaoul is provide includes a planting and covering device mounted on the chassis and responsible for digging holes for seedlings, placing individual seedlings into the drilled holes, and covering the surrounding sand around the seedlings. The lateral movement component is connected between the planting and covering device and the chassis, enabling the transition between the hole-digging function and the seedling conveying function. The irrigation device is located on the chassis. This sacsaoul planting machine in the proposed solution possesses the functions of soil drilling, seed delivery, soil covering, watering, and secondary soil covering, allowing for the fully automatic planting of sacsaoul. The transmission mechanism of the drive assembly can be divided into seed delivery transmission and soil covering transmission.

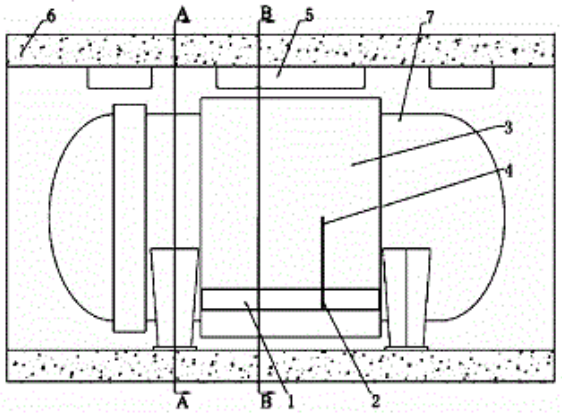


21: 2024/01177. 22: 2024/02/06. 43: 2024/08/15
51: A62C
71: BEIJING CENTURY LIANBAO NEW FIRE PROTECTION TECHNOLOGY CO., LTD.
72: LIANG, RONG, QIAO, SHUNPING
33: CN 31: 202110864147.5 32: 2021-07-29
33: CN 31: 202110864148.X 32: 2021-07-29
33: CN 31: 202110865941.1 32: 2021-07-29
33: CN 31: 202111491405.6 32: 2021-12-08
54: STARTING APPARATUS AND FIRE EXTINGUISHING DEVICE
00: -
A starting apparatus (100), comprising: a housing (1); a gas generation apparatus (2), comprising an integrated sealing container (21) and a driving medium (22) that is sealed in the sealing container (21), and the sealing container (21) being connected to the housing (1); and an initiation apparatus (3), cooperating with the gas generation apparatus (2) and configured to open the sealing container (21), so that the driving medium (22) is sprayed out from the sealing container (21) and forms a gas.

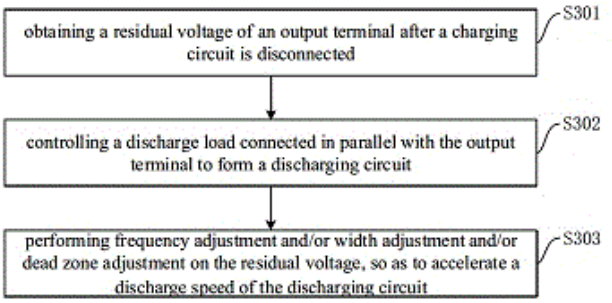


21: 2024/01219. 22: 2024/02/07. 43: 2024/08/15
51: G21C
71: CHINA NUCLEAR POWER ENGINEERING CO., LTD.
72: DONG, JIANHUA, ZHANG, SHUOTING, DU, SHUHONG, LI, HUANG, HE, KAI, ZHANG, CHENGLONG, ZHU, SIYANG, YAO, HONG
33: CN 31: 202111361226.0 32: 2021-11-17
54: PASSIVE RESIDUAL HEAT REMOVAL DEVICE AND HORIZONTAL MICRO-REACTOR SYSTEM
00: -
A passive residual heat removal device and a horizontal micro-reactor system. The device comprises a shielding insulation shell (6) and a deflector (3), where the shielding insulation shell (6) is arranged on an outside of a reactor pressure vessel (7); the deflector (3) is arranged inside the shielding insulation shell (6) and is arranged on the outside of the reactor pressure vessel (7) in a covering manner to divide a flow space of air in the shielding insulation shell (6) into an inside flow path and an outside flow path, with the air in the inside flow path flowing from front and rear ends of the deflector (3) to the outside flow path; and the shielding insulation shell (6) is provided with an air inlet (1) and an air outlet (5), the air inlet (1) being connected to the deflector (3) in a sealed manner by means of an air intake channel, cold air from the environment being introduced into the inside flow path via the air inlet (1) for direct cooling of the reactor pressure vessel (7), and high-temperature air

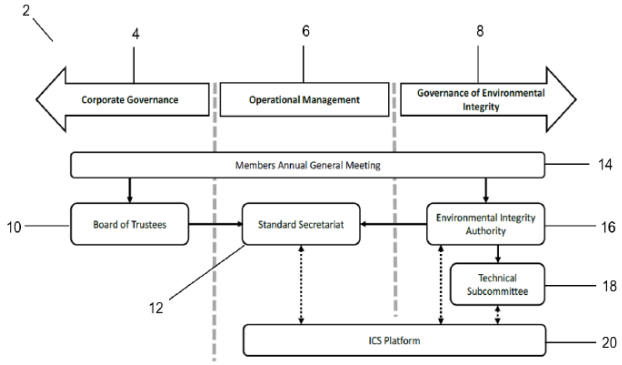
from the outside flow path being discharged to the environment via the air outlet (5). The optimization for the construction of the flow channel can significantly improve the heat removal capacity without additionally provided auxiliary facilities, thereby meeting the requirements for size limitation and capacity of the residual heat removal device.



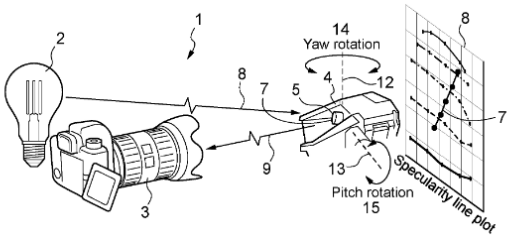
21: 2024/01221. 22: 2024/02/07. 43: 2024/08/15
51: B60L
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202110839708.6 32: 2021-07-23
54: CHARGE/DISCHARGE CONTROL METHOD, CHARGING DEVICE AND STORAGE MEDIUM
00: -
The present disclosure relates to the technical field of charging devices of electric vehicles, provides a charge and discharge control method, a charging device and a storage medium, the method including: obtaining a residual voltage of an output terminal after a charging circuit is disconnected; controlling a discharge load connected in parallel with the output terminal to form a discharge circuit; performing frequency adjustment and/or width adjustment and/or dead zone adjustment on the residual voltage, so as to accelerate a discharge speed of the discharge circuit. Through the present disclosure, a residual voltage on a charging device side can be released quickly and safely after a charging circuit is disconnected.



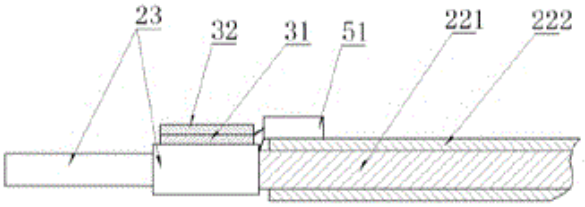
21: 2024/01231. 22: 2024/02/08. 43: 2024/08/15
51: G06Q
71: FOOD & TREES FOR AFRICA
72: WILD, Christopher Eugene
54: A PLATFORM FOR THE MANAGEMENT OF CARBON CREDITS AND CARBON CREDIT PROJECTS
00: -
The present invention relates to a system for managing carbon credits issued in respect of a predetermined location, the system comprising a measurement means locatable at the predetermined location, the measurement means being capable of measuring carbon emissions generated at the predetermined location over a period of time to derive emission data; a platform communicatively coupled to the measurement means, the platform having storage means for storing the emission data received from the measurement means, and wherein standardised emission data is stored on the storage means; a data processing module communicatively coupled to the platform, the data processing module having a processor for executing data processing instructions provided on the data processing module to analyse the emission data and the standardized emission data to derive analysed data; and a carbon credit calculation module communicatively coupled to the platform and the processor for calculating a carbon credit value from the analysed data.



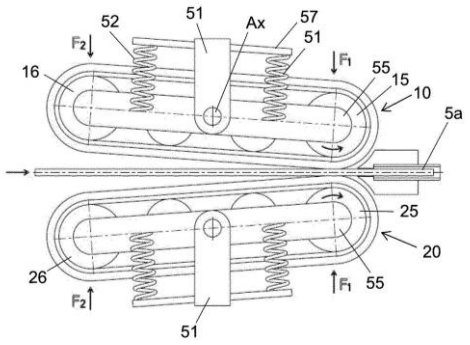
21: 2024/01312. 22: 2024/02/12. 43: 2024/09/03
51: B60R; G06T
71: BELRON INTERNATIONAL LIMITED
72: DAVIES, Chris, DANIEL, Gwen, DANIEL, Gwen
33: GB 31: 2112432.6 32: 2021-09-01
54: CAMERA POSITION REVIEW FOR VEHICLE DRIVER ASSISTANCE SYSTEMS
00: -
A technique for investigating the accuracy of fitment for a vehicle replacement windscreen having a mounted driver assistance camera (DAC) utilises an illuminating radiation delivery device and a spectralreflection profile from the DAC is imaged and compared to a datum spectral reflection profile (SRP). The datum spectral reflection profile may result from a DAC fitted to the windscreen before replacement. A firstspectral reflection profile may imaged with DAC in position on a damaged windscreen fitted to the vehicle and a second spectral reflection profile is imaged with DAC in position on the replacement windscreenfitted to the vehicle.



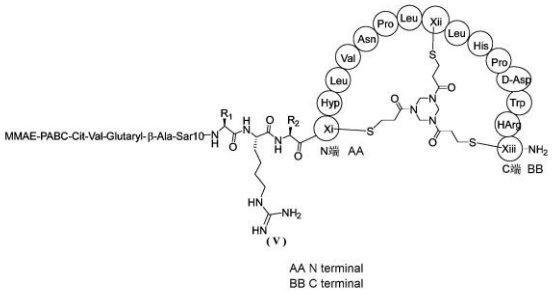
21: 2024/01318. 22: 2024/02/12. 43: 2024/08/15
51: H05K
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202110821575.X 32: 2021-07-20
54: CONNECTOR HAVING SEMICONDUCTOR COOLING DEVICE, AND AUTOMOBILE
00: -
The present invention provides a connector having a semiconductor cooling device, and an automobile. The connector comprises a lead wire (22), a terminal (23), and the semiconductor cooling device (30); the terminal (23) is configured such that one end thereof is connected to the lead wire (22) and the other end thereof is used for being connected to an external electrical structure; and the semiconductor cooling device (30) is provided with a refrigeration portion (31) and a heat dissipation portion (32), and the refrigeration portion (31) absorbs heat of the terminal. By means of the present invention, the technical problem that a connection point of the lead wire and the terminal is large in heat generation amount and prone to burn out is mitigated.



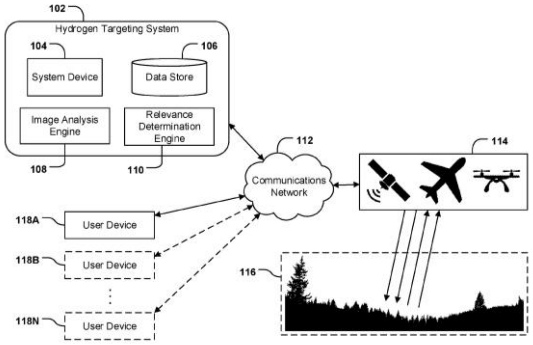
21: 2024/01341. 22: 2024/02/13. 43: 2024/08/19
51: G02B
71: Plumettaz Holding SA
72: WACINSKI, Andrej, ABBET, Fabrice, LOBSTEIN, Roland
33: CH 31: 070178/2021 32: 2021-08-17
54: APPARATUS FOR LAYING AN OPTIC CABLE INTO A DUCT
00: -
An apparatus (1) for laying an elongated element such as an optic cable (5) into a duct, comprising: a driving unit with a two-belt conveyer (10, 20) for driving the elongated element into the duct, forming an inlet part (71) into which the cable is inserted in the driving unit and an outlet part (72) from which the optic cable is sent out of the driving unit, and a fiber protecting unit for the elongated element, wherein the fiber protecting unit comprises at least one of: - a precise clamping force setting means for setting a clamping force exerted by the two-belt conveyers (10, 20), and/or - non-parallel belt setting system (10, 20), for setting the two-belt conveyers (10, 20) in a non-parallel fashion and/or - stepped belts having a stepped contact surface.



21: 2024/01345. 22: 2024/02/13. 43: 2024/08/19
51: A61K; A61P; C07K
71: Medshine Discovery Inc.
72: LI, Huining, XIA, Jianhua, JIANG, Zhigan, HE, Haiying, CHEN, Shuhui
33: CN 31: 202110945285.6 32: 2021-08-17
54: POLYPEPTIDE DRUG CONJUGATE HAVING NOVEL STRUCTURE AND APPLICATION THEREOF
00: -
Disclosed in the present invention are a novel polypeptide drug conjugate and an application thereof, and specifically disclosed is a compound represented by formula (V).

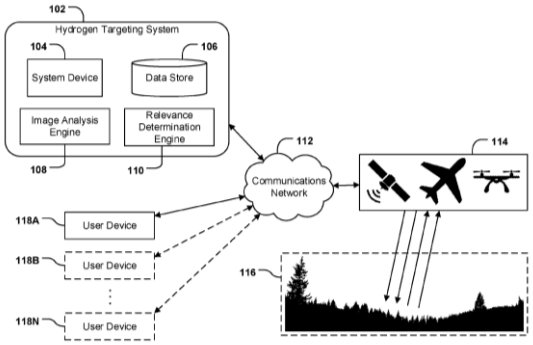


21: 2024/01381. 22: 2024/02/14. 43: 2024/08/20
51: G01V; G06K; G06T
71: OHIO STATE INNOVATION FOUNDATION
72: DARRAH, Thomas , HOWAT, Ian , MOORTGAT, Joachim , WHYTE, Colin
33: US 31: 63/182,624 32: 2021-04-30
54: SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION
00: -
Systems, apparatuses, methods, and computer program products are disclosed for training an image analysis engine to identify surface features of the Earth consistent with subsurface hydrogen accumulation. An example method includes receiving, by communications circuitry, a training dataset of labeled images illustrating surface features consistent with subsurface hydrogen accumulation, the surface features consistent with subsurface hydrogen accumulation comprising ovoid surficial depressions. The example method further includes training, by a model generator and using the training dataset, an image classification model of the image analysis engine to identify whether new images contain surface features consistent with subsurface hydrogen accumulation. The example method further includes hosting the image classification model by the image analysis engine.

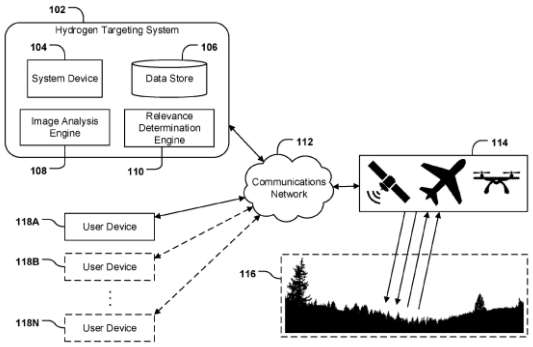


21: 2024/01382. 22: 2024/02/14. 43: 2024/08/20
51: G01V; G06K; G06T
71: OHIO STATE INNOVATION FOUNDATION
72: DARRAH, Thomas, HOWAT, Ian, MOORTGAT, Joachim, WHYTE, Colin
33: US 31: 63/182,624 32: 2021-04-30
54: SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION
00: -
Systems, apparatuses, methods, and computer program products are disclosed for training an image analysis engine to identify surface features of the Earth consistent with subsurface hydrogen accumulation. An example method includes receiving, by communications circuitry, a training dataset of labeled images illustrating surface features consistent with subsurface hydrogen accumulation, the surface features consistent with subsurface hydrogen accumulation comprising ovoid surficial depressions. The example method further includes training, by a model generator and using the training dataset, an image classification model of the image analysis engine to identify whether new images contain surface features consistent with

subsurface hydrogen accumulation. The example method further includes hosting the image classification model by the image analysis engine.



21: 2024/01383. 22: 2024/02/14. 43: 2024/08/20
51: G01V; G06K; G06T
71: OHIO STATE INNOVATION FOUNDATION
72: DARRAH, Thomas, HOWAT, Ian , MOORGAT, Joachim , WHYTE, Colin
33: US 31: 63/182,624 32: 2021-04-30
54: SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION
00: -
Systems, apparatuses, methods, and computer program products are disclosed for training an image analysis engine to identify surface features of the Earth consistent with subsurface hydrogen accumulation. An example method includes receiving, by communications circuitry, a training dataset of labeled images illustrating surface features consistent with subsurface hydrogen accumulation, the surface features consistent with subsurface hydrogen accumulation comprising ovoid surficial depressions. The example method further includes training, by a model generator and using the training dataset, an image classification model of the image analysis engine to identify whether new images contain surface features consistent with subsurface hydrogen accumulation. The example method further includes hosting the image classification model by the image analysis engine.



21: 2024/01396. 22: 2024/02/15. 43: 2024/08/19
51: H04N
71: Sony Group Corporation
72: TSUKUBA, Takeshi
33: US 31: 63/249,082 32: 2021-09-28
54: IMAGE PROCESSING DEVICE AND METHOD
00: -
The present disclosure relates to an image processing device and method with which the specifications of a bit stream can be configured to more reliably correspond to a profile. In the case that a prescribed condition is satisfied, a video image to be encoded is encoded with the picture type of all pictures being set to I picture. Further, a bit stream of a video image to be decoded is decoded, and if a prescribed condition is satisfied, it is confirmed whether the picture type of all pictures in the video image of the bit stream is I picture. The present disclosure can be applied, for example, to an image processing device or an image processing method.

[図1]
FIG. 1

AA	方法1	所定条件を満たす場合、全ピクチャのピクチャタイプをIピクチャに限定する	BB
CC	方法1-1	復号対象ピクチャの全VCL NALユニットのNALユニットタイプを"IRAPを示す値"に限定する	DD
EE	方法1-2	イントラプロファイルである場合、全ピクチャのピクチャタイプをIピクチャに限定する	FF
GG	方法1-3	制御フラグが真である場合、全ピクチャのピクチャタイプをIピクチャに限定する	HH

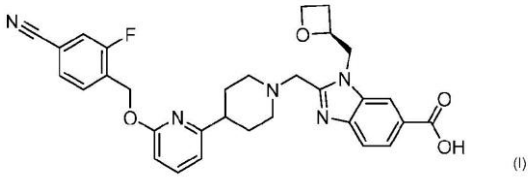
AA Method 1
BB If a prescribed condition is satisfied, the picture type of all pictures is limited to I picture.
CC Method 1-1
DD The NAL unit type of all VCL NAL units of a picture to be decoded is limited to "a value indicating IRAP".
EE Method 1-2
FF In the case of an intra profile, the picture type of all pictures is limited to I picture.
GG Method 1-3
HH If a control flag is true, the picture type of all pictures is limited to I picture.

21: 2024/01398. 22: 2024/02/15. 43: 2024/08/19
51: C07D
71: Pfizer Inc.
72: BAGLEY, Scott W., CLARK, Wesley Dewitt, GRIFFITH, David Andrew, JIAO, Wenhua, SAMAS, Brian Matthew, TAYLOR, Lisa Jane
33: US 31: 63/239,056 32: 2021-08-31
54: SOLID FORMS OF 2-[(4-{6-[(4-CYANO-2-FLUOROBENZYL)OXY]PYRIDIN-2-YL}PIPERIDIN-1-YL)METHYL]-1-[(2S)-OXETAN-2-YLMETHYL]-

1H-BENZIMIDAZOLE-6-CARBOXYLIC ACID, 1,3-DIHYDROXY-2-(HYDROXYMETHYL)PROPAN-2-AMINE SALT

00: -

The invention provides solid forms of 2-[(4-{6-[(4-Cyano-2- fluorobenzyl)oxy]pyridin-2-yl}piperidin-1-yl)methyl]-1-[(2S) -oxetan-2-ylmethyl]-1lH-benzimidazole-6-carboxylic acid, 1,3- dihydroxy-2-(hydroxymethyl)propan-2-amine salt for example, Form 1 or Form 2; as well as pharmaceutical compositions, and the uses thereof in treating diseases, conditions or disorders modulated by GLP-1 R in a mammal, such as a human. Formula (I)



(I)

21: 2024/01410. 22: 2024/02/15. 43: 2024/08/30
51: B29C; B29L
71: ENVISION ENERGY CO., LTD
72: GIANCARLO, GIROLOMINI, JENS, GLUD, LARS, OVERGAARD, SONG, SILONG, MANJURAJ, VASANTHA
33: DK 31: PA 2021 70383 32: 2021-07-16

54: A METHOD OF MANUFACTURING A COMPOSITE STRUCTURE, A COMPOSITE STRUCTURE THEREOF, A WIND TURBINE WITH THE COMPOSITE STRUCTURE AND A MANUFACTURING SYSTEM THEREOF

00: -

The present invention relates to a method of manufacturing a composite structure, a composite structure thereof, a wind turbine with the composite structure and a manufacturing system thereof. The manufacturing system comprises a mould in or on which a stack of layers is laid up, and a resin distribution system is arranged on top of the stack of layers. A resin injection machine and a second vacuum source are both connected to a first valve element arranged in the resin feed lines. A first vacuum source and an air drying unit are both connected to a second valve element arranged in the vacuum lines. During dehumidification, the vacuum pressure is altered between a first and a second vacuum pressure. The relative air moisture content is monitored, and the heating is stopped if it drops below a reference air moisture content. The polyurethane resin is then introduced into the stack of layers and the infused stack of layers are set to cure.

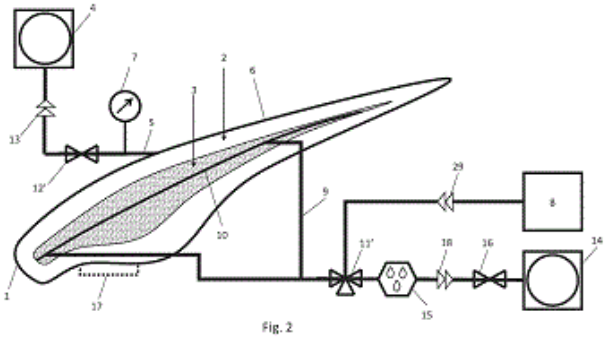


Fig. 2

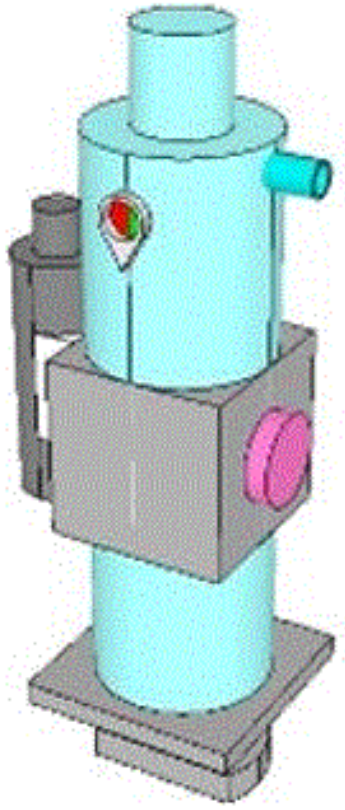
21: 2024/01450. 22: 2024/02/19. 43: 2024/08/19
51: G06T
71: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain, Mr. Tushar Singh, Mr. Ghanshyam Patel, Ms. Priyanka Mihaulia, Ms. Nidhi Kumari Singh, Mr. Aman Agrawal, Mr. Srajal Saxena, Ms. Surbhi Rai
72: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain, Mr. Tushar Singh, Mr. Ghanshyam Patel, Ms. Priyanka Mihaulia, Ms. Nidhi Kumari Singh, Mr. Aman Agrawal, Mr. Srajal Saxena, Ms. Surbhi Rai
33: IN 31: 202321068489 32: 2023-10-11

54: SMART BUCCAL FILM GENERATING APPARATUS

00: -

This invention presents a Smart Buccal Film Generating Apparatus. The present invention comprises a twenty-milliliter capacity barrel equipped with an integrated heating system to maintain the formulation at the desired temperature. A piston knob aids in creating the necessary pressure for solution spraying. An internal pipe within the barrel assists in conveying the formulation to the tip, facilitated by an inherent pressure system. Positioned at the apparatus's neck, the spray release valve initiates the spraying process. The apparatus's tip disperses the formulation, which transforms into a uniform film through evaporation. The actuation of the piston knob serves the dual purpose of building and sustaining the required pressure. Additionally, a volume calibrating dial, located at the apparatus's neck and accompanied by

a display, facilitates the precise regulation of the liquid volume to be dispensed.



21: 2024/01451. 22: 2024/02/19. 43: 2024/08/19
51: A62B
71: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain
72: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain
33: IN 31: 202321073051 32: 2023-10-26

54: A SMART ANTIVIRAL, ANTI-TOOTHACHE, STRESS BUSTER- PAIN RELIEF, ANTICOLD ROLL-ON CUM INHALER

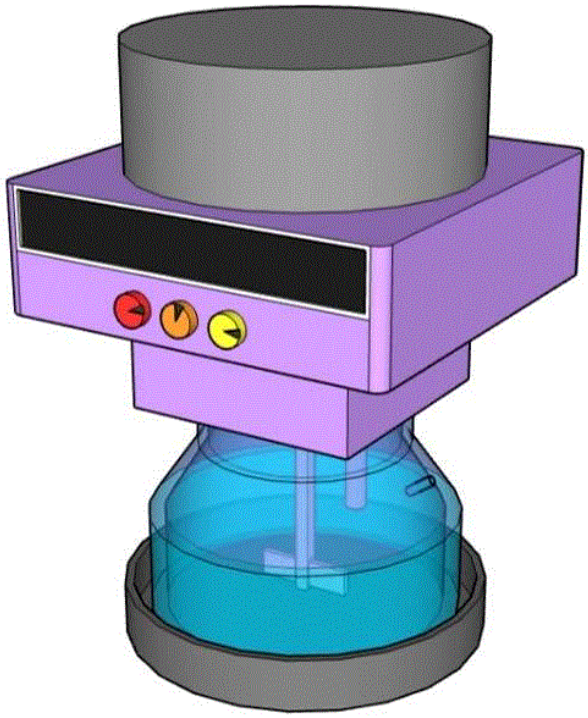
00: -

This invention presents a Smart Antiviral, Anti-toothache, Stress buster- pain relief, Anticold roll-on cum Inhaler. The present invention comprising of a first compartment, with a capacity of ten milliliters, is designed as a roll-on dispenser. It contains a liquid herbal mixture infused with components known for their pain-relieving properties, including analgesic, antimigraine, and anti-muscular ache relievers, intended for external application, a second compartment holds a volume of fifteen milliliters, an assortment of herbs is carefully combined for their stress-alleviating qualities, as well as their effectiveness against conditions like vertigo, cough, cold, and headaches. Further, a third compartment, with a capacity of five milliliters, serves a vital role by housing solid iodine granules renowned for their potent antiviral properties. A specialized inhalation tube connects the second compartment with this third one. Moreover, an optional switch empowers users to control the release of iodine vapor into the inhalation tube as needed, offering an additional layer of protection. Finally, a fourth compartment, also holding five milliliters, is dedicated to providing swift relief from toothache. It is equipped with a tube that extends from the top of the compartment. This tube facilitates the application of a toothache relief liquid through the use of a cotton bud attached to a plastic stick, ensuring precise and convenient relief for oral discomfort.



21: 2024/01452. 22: 2024/02/19. 43: 2024/08/19
51: A61K
71: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain, Mr. Aditya Raj Singh, Ms. Pallavi Chaudhari, Mr. Aditya Rade, Ms. Aditi Rattewal, Mr. Shivanshu Singh, Mr. Bhushan Attarde, Ms. Archana Patel, Ms. Anushree Piplonia
72: Dr. Nitin Dubey, Dr. Nidhi Dubey, Dr. Upendra Bhadoriya, Mr. Ankit Jain, Mr. Aditya Raj Singh, Ms. Pallavi Chaudhari, Mr. Aditya Rade, Ms. Aditi Rattewal, Mr. Shivanshu Singh, Mr. Bhushan Attarde, Ms. Archana Patel, Ms. Anushree Piplonia
33: IN 31: 202321082163 32: 2023-12-02
54: A SMART TRANSFEROSOMAL SYNTHESIS APPARATUS
00: -

The invention presents a Smart Transferosomal Synthesis Apparatus. The present invention comprising of a first part positioned at the top of the apparatus, this section houses an air compressor unit with the capability to deliver hot air effectively. A second part, located in the middle of the apparatus, is equipped with a digital display that presents real-time information on rotational speed (rpm), air flow pressure, and temperature. A third part consists of a two-piece round-bottom flask, featuring an upper portion made of plastic or glass up to the neck, which seamlessly connects with a lower portion made of glass or plastic, and a fourth part, located at the bottom of the apparatus, is designed for a water bath to fit the flask, containing heating coils. Further, the apparatus is adaptable for formulating various lipid-based drug delivery systems, including liposomes, niosomes, and drug-loaded films.



21: 2024/01463. 22: 2024/02/19. 43: 2024/08/19
51: H04N
71: Prof. Mohit Mittal, Dr. C.K. Jha, Dr. Khandakar F. Rahman, Prof.(Dr.) Vikram Bali, Dr. Shivani Bali, Mr. Tejaswi Khanna
72: Prof. Mohit Mittal, Dr. C.K. Jha, Dr. Khandakar F. Rahman, Prof.(Dr.) Vikram Bali, Dr. Shivani Bali, Mr. Tejaswi Khanna
33: IN 31: 202311087029 32: 2023-12-19
54: DIGITAL PIRACY PREVENTION SYSTEM USING BLOCKCHAIN
00: -

The present invention discloses a forensic analysis-based digital piracy prevention system using blockchain and error-correcting codes. The present invention relates to a comprehensive system and method to combat digital piracy through a blend of forensic analysis, blockchain technology, and error-correcting codes. It aims to enhance the practicality of digital rights management, fitting within real-world constraints like bandwidth and user population. It provides a secure, transparent, and efficient system for tracking, protecting, and managing digital content in an increasingly digital world. The system is based on a Blockchain-Enabled Digital Piracy Countering System, which leverages blockchain technology to safeguard and manage digital content while offering transparent and automated copyright protection measures.

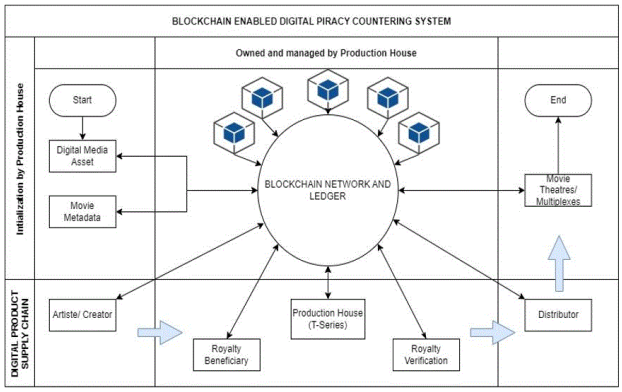
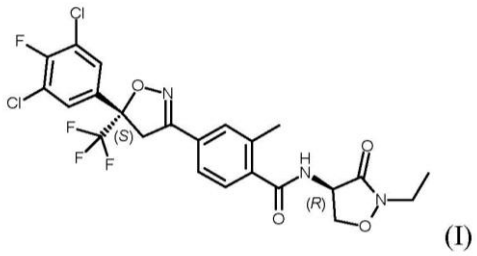
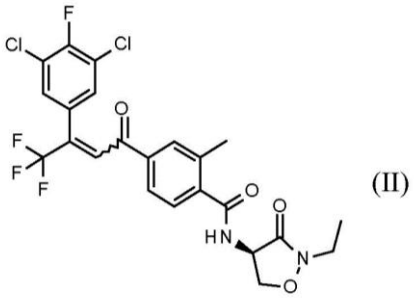


Figure 1 Architecture of the Blockchain based Digital Media Tracking System

21: 2024/01480. 22: 2024/02/19. 43: 2024/08/20
51: C07D
71: Syngenta Crop Protection AG
72: GRIBKOV, Denis, MILNER, Harry John
33: EP(CH) 31: 21193759.4 32: 2021-08-30
54: PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE ISOXAZOLINE COMPOUND
00: -
The present invention relates to a process for the preparation of a compound of formula (I) or an enriched composition comprising a compound of formula (I), by reacting a compound of formula (II),with hydroxylamine or its salt, a base, a chiral catalyst, and an organic solvent, wherein said base is an anion exchange resin.



(I)



(II)

21: 2024/01497. 22: 2024/02/20. 43: 2024/08/20
51: A24B; A24F
71: NATURAL ACADEMY S.R.L., APE8 S.R.L.
72: FERRI, Emanuele, DELL'AGLI, Mario, FERRI, Nicola
33: IT 31: 102021000022172 32: 2021-08-23
54: MEDICAL LIQUID COMPOSITION FOR AERIAL ADMINISTRATION
00: -
The present invention relates to a medical liquid composition with protective and antioxidant properties, which is usable for aerial administration, for example with personal vaporizers and aerosol devices. In particular, the present invention relates to a liquid composition which does not contain propylene glycol and comprises or consists of the following components: a) water 20-50% by weight b) 1,3-propanediol 20-60% by weight c) glycerol 10-30% by weight d) ethanol 0-10% by weight e) one or more protective substances preferably selected from cyclodextrins and cellulose derivatives; f) one or more antioxidants; g) optionally, a preservative, in which the sum of the weight percentages of components e), f) and g) is between 0.1% and 5% by weight.

21: 2024/01498. 22: 2024/02/20. 43: 2024/08/20
51: G06F
71: APPGAP (Pty) Ltd

72: COETZER, Petrus Daniel
33: ZA 31: 2021/05539 32: 2021-08-06
54: A COMPUTER-IMPLEMENTED METHOD OF MANAGING FILES ON A MOBILE DEVICE
00: -
The invention relates to a computer-implemented method 10 of managing media files on a mobile device 100 using a media file management mobile application 101. The aim of the application is to help better manage phone storage by facilitating auto-delete of files after a user-specified period of time elapses. When accessing a media file 110 using the mobile application 101, the user is prompted 16 to set a storage status of the media file, provided that it has not already been set. The method 10 provides the user with the option to keep/store 18, 20 the file indefinitely; to keep 22 the file for a specified period of time or to delete 36 the file. If the user opts to keep the file for a specified period, the user is again prompted 24 to make a storage period selection for the selected media file, e.g. 7 days, after expiry of which, the media file will be automatically deleted from memory.

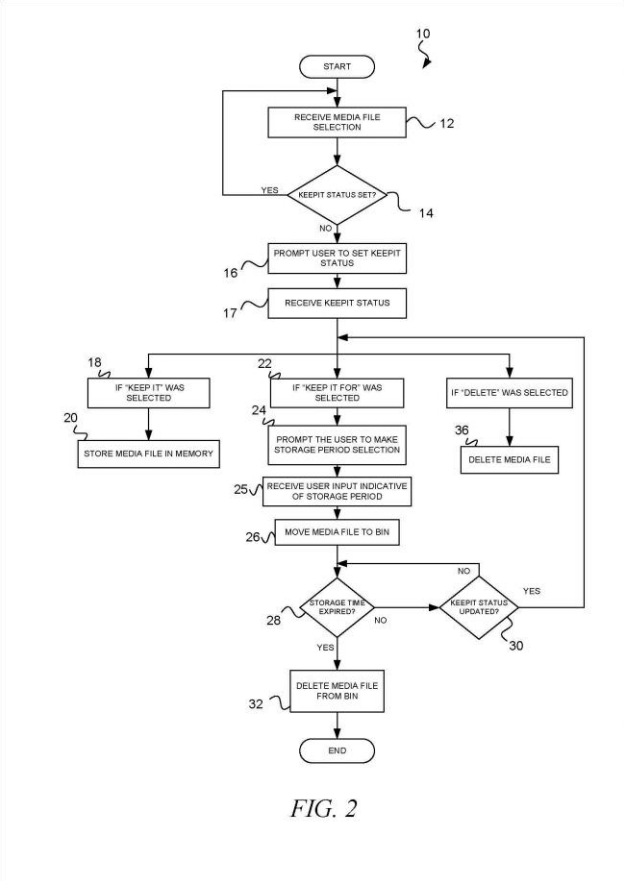
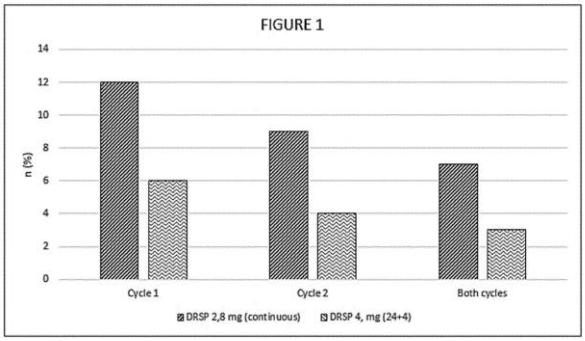


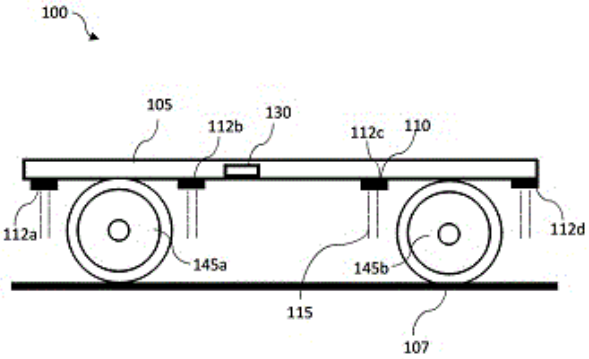
FIG. 2

21: 2024/01500. 22: 2024/02/20. 43: 2024/08/20
51: A61K
71: Chemo Research, S.L.
72: COLLI, Enrico, PÉREZ, Salustiano
33: EP(ES) 31: 21382757.9 32: 2021-08-12
54: METHOD FOR TREATING ENDOMETRIOSIS AND PROVIDING EFFECTIVE CONTRACEPTION
00: -
The present invention relates to drospirenone for use in a method for treating endometriosis, endometriosis associated pelvic pain (EAPP) and/or dysmenorrhea, comprising administering drospirenone in a biphasic regimen. The present invention furthermore relates to the use of drospirenone administered in such a biphasic regimen as a contraceptive and for inducing amenorrhea, as well as to a pharmaceutical composition and a kit comprising drospirenone administered in such a biphasic regimen.

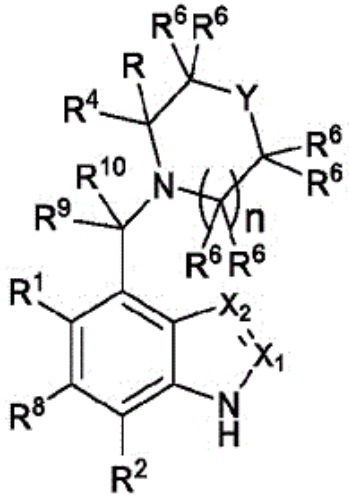


21: 2024/01530. 22: 2024/02/21. 43: 2024/08/22
51: G01G; B61K; B61L
71: RAILWAY METRICS AND DYNAMICS SWEDEN AB
72: LINDQVIST, JAN, BÄFVERFELDT, MARTIN
33: SE 31: 2350203-2 32: 2023-02-22
54: SYSTEM AND METHOD FOR DETERMINING A WEIGHT STATUS OF A RAILWAY VEHICLE
00: -
There is provided a system for determining a weight status of a railway vehicle. The system comprises an emitter configured to emit radio waves, a first detector arranged on the railway vehicle, configured to detect radio waves and generate a first distance data set, a second detector arranged on the railway vehicle, configured generate a second distance data set, a third detector arranged on the railway vehicle, configured generate a third distance data set, a fourth detector arranged on the railway vehicle,

configured generate a fourth distance data set. The first, second, third and fourth detector are arranged at different locations on the railway vehicle. The system comprises a processing unit configured to receive the first, second, third and fourth distance data set, and determine a weight status of the railway vehicle based at least on the first, second, third and fourth distance data set.



21: 2024/01550. 22: 2024/02/21. 43: 2024/08/22
51: C07D; A61K; A61P
71: XIZANG HAISCO PHARMACEUTICAL CO., LTD.
72: ZHANG, CHEN, LIAO, YUTING, ZHU, GUOZHI, TANG, DACHAO, YU, YAN, TANG, PINGMING, CHENG, XINFAN, LI, YAO, NI, JIA, YAN, PANGKE
33: CN 31: 202111048416.7 32: 2021-09-08
33: CN 31: 202210255370.4 32: 2022-03-22
33: CN 31: 202210558720.4 32: 2022-05-25
33: CN 31: 202111532328.4 32: 2021-12-16
33: CN 31: 202110940107.4 32: 2021-08-18
33: CN 31: 202210496109.3 32: 2022-05-12
33: CN 31: 202210903696.3 32: 2022-07-29
54: BENZO NITROGEN-CONTAINING HETEROAROMATIC RING DERIVATIVE AND USE THEREOF IN MEDICINE
00: -
Provided are a compound as shown in general formula (I), or a stereoisomer, deuterate, solvate, prodrug, metabolite, pharmaceutically acceptable salt or co-crystal thereof, an intermediate thereof, a preparation method therefor, and the use thereof in the preparation of a drug for treating a disease associated with the activity or expression quantity of complement factor B.



(I)

21: 2024/01569. 22: 2024/02/22. 43: 2024/08/23
51: F16K; F24H
71: Hans Sasserath GmbH & Co. KG
72: HECKING, Willi
33: DE 31: 20 2023 100 855.0 32: 2023-02-23
54: ASSEMBLY FOR THE CONTROL OF THE TEMPERATURE IN A DRINKING WATER HEATER
00: -
A valve assembly (10), comprising a valve housing (12) with a thread (60); a spring (68); a valve closing body (40) biased by the spring power of the spring; a spring abutment (70) for adjusting the spring power exerted on the valve closing body, said spring abutment being moveable in a opening and closing direction; a valve sealing (52) for sealing the valve closing body against the valve housing; and fixing means (58) for fixing the valve sealing; is characterized in that the spring abutment (70) and the fixing means (58) form a module which has a common thread and which can be screwed into the valve housing (12) as one; and the spring abutment (70) can be screwed out for adjusting the spring power exerted on the valve closing body without the fixing means (58) after being screwed in.

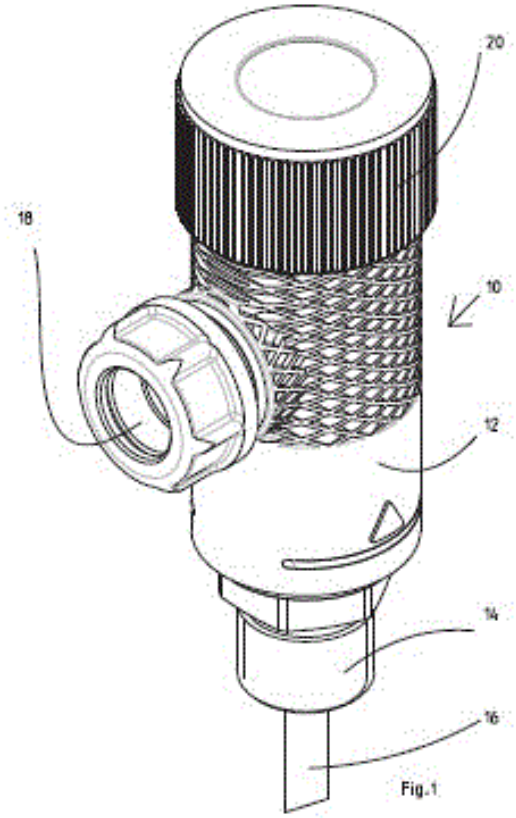
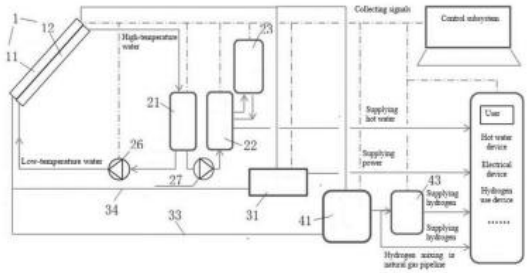
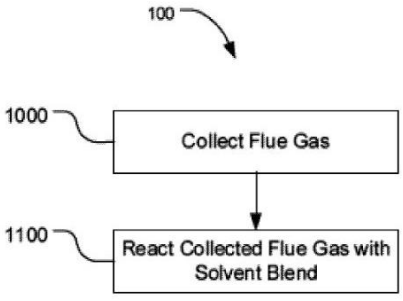


Fig.1

21: 2024/01571. 22: 2024/02/22. 43: 2024/08/23
51: H02S
71: NINGBO UNIVERSITY OF TECHNOLOGY
72: Xuemei Gong, Benben Pan, Xiaoyu Lei, Zhixin Zhang
33: CN 31: 2023216215686.0 32: 2023-06-26
54: TRI-SUPPLY SYSTEM FOR SOLAR PHOTOVOLTAIC/THERMAL AND GREEN HYDROGEN BUILDING APPLICATION
00: -
The present invention provides a tri-supply system for solar photovoltaic/thermal and green hydrogen building application, comprising: a PV/T heat collecting apparatus which has a photovoltaic module and a heat collecting module integrated into a whole; a photothermal subsystem which comprises a hot water collecting unit, a hot water supply module, and a hot water device; a photovoltaic subsystem which comprises an inverter module, and an electrical device; and a hydrogen production subsystem which comprises a hydrogen production device and a hydrogen use device. The tri-supply system for solar photovoltaic/thermal and green hydrogen building application provided by the present invention can realize the comprehensive application of hot water, power supply and hydrogen production in buildings, and solves the problems of difficulty in energy storage, low utilization rate and difficulty in storage and use of hydrogen in the process of solar energy utilization.



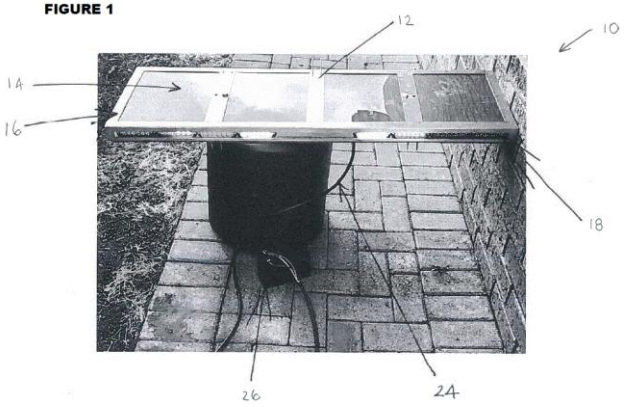
21: 2024/01573. 22: 2024/02/22. 43: 2024/09/06
51: B01D
71: ENTROPY INC.
72: IDEM, Raphael, SUPAP, Teeradet, NARKU-TETTEH, Jessica, MUCHAN, Pailin, NATEWONG, Paweesuda
33: US 31: 63/235,802 32: 2021-08-22
54: METHODS AND COMPOSITIONS FOR CARBON CAPTURE
00: -
A solvent composition for carbon capture is provided. According to a preferred embodiment, the solvent used for carbon capture comprises at least two of the following: diethylaminoethanol (DEAE), hexamethylenediamine (HMDA), and polyethylenimine (PEI). A method of performing carbon capture using the carbon capture solvent compositions described herein is also provided. An apparatus for performing carbon capture using the carbon capture compositions described herein and/or the carbon capture methods described herein is also provided.



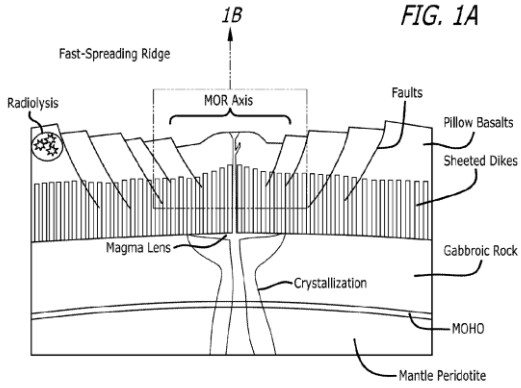
21: 2024/01599. 22: 2024/02/23. 43: 2024/08/27

51: F21S
71: MDAKA, Mpimo, Archibald
72: MDAKA, Mpimo, Archibald
33: ZA 31: 2023/03189 32: 2023-03-01
54: AN AUXILIARY POWER SUPPLY
00: -
An auxiliary power supply which includes a solar panel assembly including a solar panel mounted on a support, a lighting arrangement, a mounting arrangement for mounting the solar panel assembly and lighting arrangement on a vehicle, and a connecting means for electrically interconnecting the solar panel assembly, the lighting arrangement, and a battery of the vehicle.

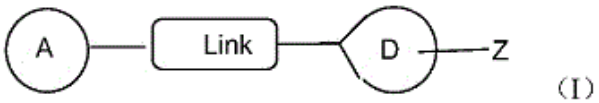
FIGURE 1



21: 2024/01676. 22: 2024/02/27. 43: 2024/08/28
51: C01B
71: OHIO STATE INNOVATION FOUNDATION
72: DARRAH, Thomas, RAO, Vikram, WHYTE, Colin
33: US 31: 63/203,815 32: 2021-07-30
33: US 31: 17/815,903 32: 2022-07-28
54: SYSTEMS AND METHODS FOR GENERATION OF HYDROGEN BY IN-SITU (SUBSURFACE) SERPENTINIZATION AND CARBONIZATION OF MAFIC OR ULTRAMAFIC ROCK
00: -
Apparatuses, systems, and methods are disclosed for producing and liberating hydrogen gas and sequestering carbon dioxide through sequential serpentinization and carbonation (mineralization) reactions conducted in situ via one or more wellbores that at least partially traverse subterranean geological formations having large concentrations of mafic igneous rock, ultramafic igneous rock, or a combination thereof.



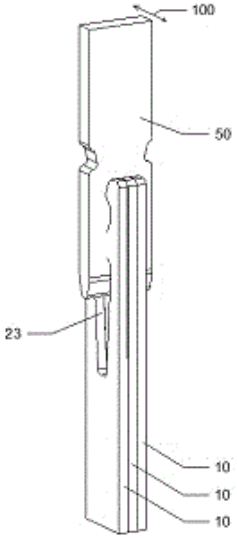
21: 2024/01684. 22: 2024/02/27. 43: 2024/08/28
51: C07D; A61K; A61P
71: SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD.
72: YAN, XIAOXIA, HUANG, GUANXIN, JU, WEI, SUN, DAQING
33: CN 31: 202210208759.3 32: 2022-03-03
33: CN 31: 202210839712.7 32: 2022-07-15
33: CN 31: 202110862671.9 32: 2021-07-29
54: NOVEL PARP7 INHIBITOR AND USE THEREOF
00: -
Disclosed are a compound serving as a PARP7 inhibitor, and a use thereof in preparing a drug for treating relevant diseases. Specifically disclosed are a compound represented by formula (I) and a pharmaceutically acceptable salt thereof. The compound can be used for treating cancer.



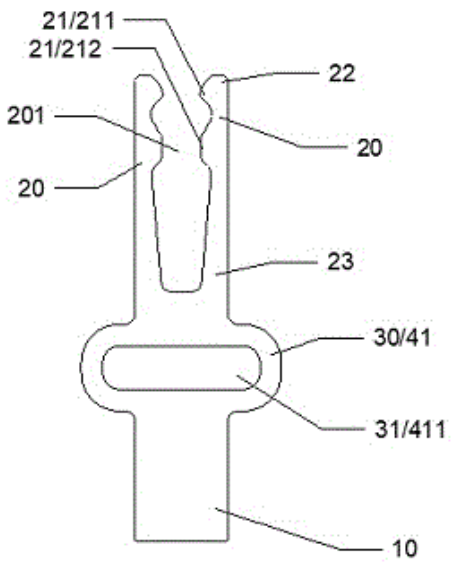
(I)

21: 2024/01717. 22: 2024/02/28. 43: 2024/08/28
51: H01R
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202110944154.6 32: 2021-08-17
54: PLUG TERMINAL, PLUG STRUCTURE AND MOTOR VEHICLE
00: -
The present invention provides a plug terminal, a plug structure and a motor vehicle, wherein the plug terminal comprises a terminal lamination, the terminal lamination comprises at least two connecting arms, each connecting arm comprises an overhanging end and a fixed end, the fixed ends of

the connecting arms are fixedly connected together, and a plug groove is formed between two adjacent connecting arms; and the overhanging end is provided with a conductive contact portion. By means of the present invention, the technical problem whereby a clamping terminal is prone to electrical connection failure when subjected to an external force or a long-time insertion vibration is solved.

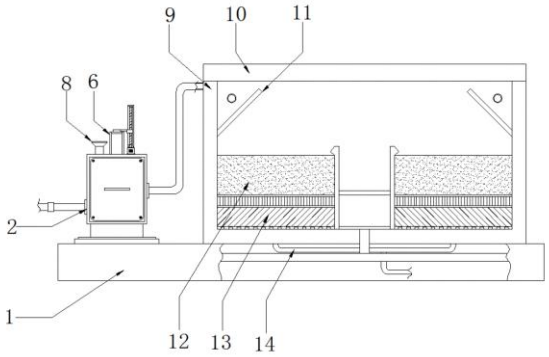


21: 2024/01718. 22: 2024/02/28. 43: 2024/08/28
51: H01R
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202110945331.2 32: 2021-08-17
54: MICRO-VIBRATION TERMINAL, PLUG-IN STRUCTURE, AND MOTOR VEHICLE
00: -
Provided in the invention are a micro-vibration terminal, a plug-in structure and a motor vehicle. The micro-vibration terminal comprises a terminal fixing portion, a vibration body and a connecting arm which are sequentially distributed. The vibration body is fixedly connected to the terminal fixing portion. The terminal fixing portion is used to electrically connect to a cable. The connecting arm comprises an overhanging end and a fixed end. The fixed end is fixedly connected to the vibration body. The overhanging end is used to contact and fit with an abutting terminal. The vibration body has a concave portion. In the present invention, the technical problem of a contact region of a plug-in terminal being easily oxidized, which shortens the service life of the plug-in terminal, is alleviated.



21: 2024/01800. 22: 2024/03/01. 43: 2024/09/04
51: B01D
71: SUZHOU MUNICIPAL ENGINEERING DESIGN INSTITUTE CO., LTD
72: SHEN, Hua, SU, Xiang, WANG, Ruoyun, LI, Haoran, MENG, Fanru, XU, Jingcheng, WANG, Zhihong, HU, Xinghua, XIA, Xu, LV, Gang, CHEN, Minhao
33: CN 31: 202222389231.9 32: 2022-09-08
54: V-TYPE FILTER FOR DEEP PURIFICATION TREATMENT OF MUNICIPALWASTEWATER
00: -
Provided is a V-type filter for deep purification treatment of municipal wastewater, which includes a base and an oil removal bin. The oil removal bin is fixedly mounted on an upper left side of the base. Each of a top wall and a bottom wall of the oil removal bin is provided with amounting plate, and the mounting plates are located inside the oil removal bin. An oil filtrationnet is fixedly connected to one side of each mounting plate that is close to a central axis of the oil removal bin. A cleaning brush is provided at two sides of the oil filtration net in a direction parallel to the central axis. Due to the provision of the oil filtration net in the V-type filter fordeep purification treatment of municipal wastewater, the oil in the municipal wastewater is filtered out before the wastewater enters a filter chamber. After such filtering, the oil in the wastewater is retained in the oil removal bin, so that

the filter plate can be prevented from being blocked by the oil. In addition, in a process of cleaning the oil filtration net, the cleaning brushmay brush the surface of the oil filtration net, so that the oil filtration net can be cleaned thoroughly, and the oil filtration net can continuously filter out the oil in the wastewater. (FIG. 1)



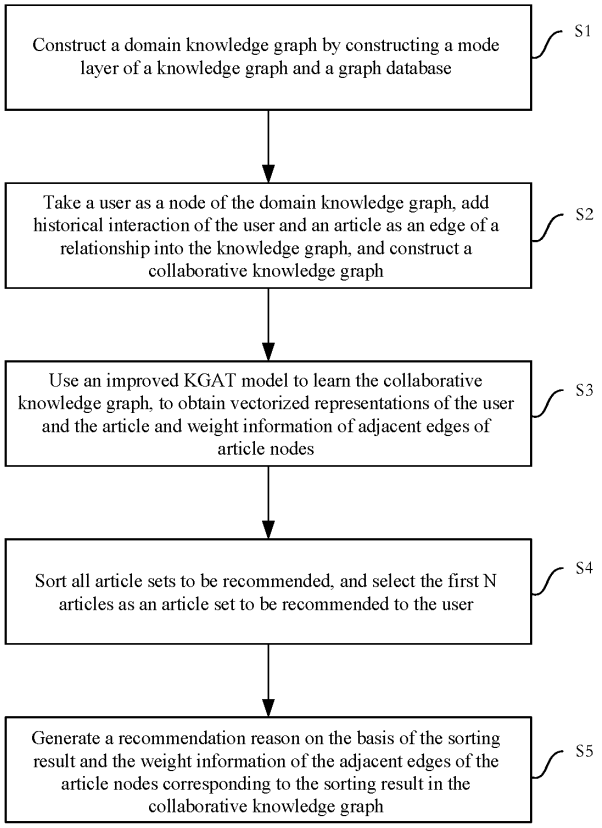
21: 2024/01803. 22: 2024/03/01. 43: 2024/09/04
51: A61K; A61P
71: UNICHEM LABORATORIES LIMITED
72: SATHE, Dhananjay, IYAPPAN, Saravanakumar, BAKSHI, Gautam, PATIL, Ganesh
33: IN 31: 202121044592 32: 2021-10-01
54: LECTIN-DRUG CONJUGATES
00: -
The present disclosure relates to protein-drug conjugates. The present disclosure specifically relates to the protein-drug conjugates, wherein the protein is a lectin protein having amino acid sequence of SEQ ID NO: 1; or lectin protein having at least 70% sequence identity to SEQ ID NO: 1. The disclosure further relates to process and composition of protein-drug conjugates and method of use thereof.

21: 2024/01804. 22: 2024/03/01. 43: 2024/09/04
51: A61K
71: LEIUTIS PHARMACEUTICALS LLP
72: KOCHERLAKOTA, Chandrashekhar, BRENNA, James Thomas, KOTHAPALLI, Sesha Durga Kumar, BANDA, Nagaraju, NARALA, Arjun, AKULA, Srinath
33: IN 31: 202141035170 32: 2021-08-04
33: IN 31: 202141053853 32: 2021-11-23
54: NOVEL OMEGA 3 CARRIER PREPARATIONS FOR INHALATION DRUG DELIVERY FOR TREATING LUNG INFLAMMATION
00: -
Inflammatory disorders of the lung are induced by COVID-19 disease, asthma, and numerous other disorders. Omega-3 fatty acids (O3FA), particularly docosahexaenoic acid (DHA), docosapentaenoic acid (DPA) or eicosapentaenoic acid (EPA), have known anti-inflammatory and pro-resolving properties. Reduction of lung pathology and inflammation will be accomplished by a mixture incorporating O3FA that is suitable for nebulization using formulas and nebulization apparatus known in the art. The O3FA may be delivered in the form of ethyl esters (EE) or free fatty acid (FFA) oils or non-phosphate- containing glycerolipids or as phospholipids (PL) or as any other form known in the art. The mixture can also be delivered in any of the other forms of inhaled droplet or solids for inhalation known in the art. The patient will inhale for a therapeutically effective period of time to reduce inflammation and improve breathing.

21: 2024/01805. 22: 2024/03/01. 43: 2024/09/04
51: A61K; C07K; A61P
71: UNICHEM LABORATORIES LIMITED
72: SATHE, Dhananjay, IYAPPAN, Saravanakumar, BAKSHI, Gautam, PATIL, Ganesh
33: IN 31: 202121044592 32: 2021-10-01
54: RECOMBINANT GLYCAN BINDING PROTEINS AND ITS USE
00: -
The present disclosure provides a modified protein sequence ie, recombinantly expressed glycan binding protein. The said glycan binding protein is a variant of Sclerotium Rolfsii Lectin and is modified to include attributes like enhanced molecular stability, reduced N-terminal methionine impurities and aid in conjugation of proteins to other biological and chemical agent(s).

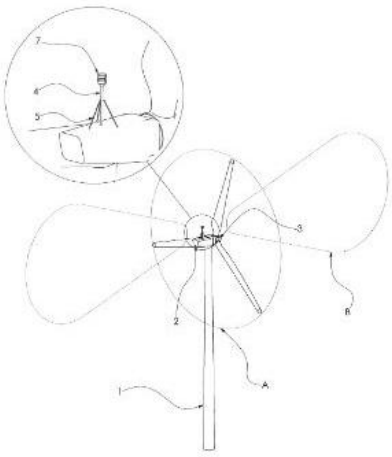
21: 2024/01818. 22: 2024/03/01. 43: 2024/09/17
51: G06F
71: ZHEJIANG NORMAL UNIVERSITY
72: ZHU, Xinzhong, XU, Huiying, JIN, Lintong
33: CN 31: 202111457641.6 32: 2021-12-01
54: KNOWLEDGE GRAPH RECOMMENDATION METHOD AND SYSTEM BASED ON IMPROVED KGAT MODEL
00: -
The present application relates to a knowledge graph recommendation method and system based on an improved KGAT model. The method

comprises: constructing a domain knowledge graph; taking a user as a node of the domain knowledge graph, adding historical interaction of the user and an article as an edge of a relationship into the knowledge graph, and constructing a collaborative knowledge graph; using the improved KGAT model to learn the collaborative knowledge graph, to obtain vectorized representations of the user and the article and weight information of adjacent edges of article nodes; sorting all article sets to be recommended, and selecting the first N articles as an article set to be recommended to the user; generating a recommendation reason on the basis of the sorting result and the weight information of the adjacent edges of the article nodes corresponding to the sorting result in the collaborative knowledge graph; and when the user requests recommendation, generating a recommendation list from the recommendation reason and the article, and returning the recommendation list to the user. According to the present application, the personalized recommendation list is generated for the user, and meanwhile, personalized recommendation reasons can be generated, such that the credibility of the recommendation result is improved.



21: 2024/01843. 22: 2024/03/04. 43: 2024/09/05
51: A01M; F03D
71: ORFANOS, Vasileios
72: ORFANOS, Vasileios
33: GR 31: 20210100536 32: 2021-08-05
54: A WIND TURBINE
00: -

A wind turbine comprising: a tower (1), a nacelle (2) connected to an upper end of the tower (1), wherein the nacelle (2) comprises a rotor (3) and a generator connected to the rotor (3) for converting the mechanical energy generated by the rotation of the rotor (3) by the wind into electrical energy, the wind turbine being characterized in that the roof of the nacelle (2) comprises at least one speaker (7, 8) being adapted to emit sound for preventing birds collision with the wind turbine and further being adapted to be installed on the roof of the nacelle (2) in such a way that the sound emitted by the at least one speaker (7, 8) is diffused on either side of a plane (B) which intersects perpendicularly the rotor swept area (A) and which passes from the at least one speaker (7, 8).

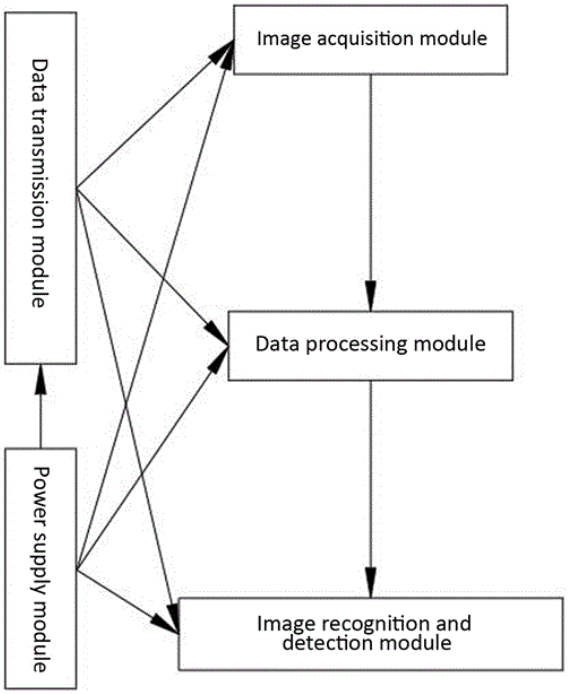


21: 2024/01853. 22: 2024/03/05. 43: 2024/09/05
51: G06T
71: Shaanxi Institute of International Trade & Commerce
72: WANG, Xijuan, BAI, Junhua, MA, Wenping, LIU, Yanrong, SHANG, Ying, WANG, Lijun

54: AN IMAGE RECOGNITION AND DETECTION SYSTEM

00: -

The present invention discloses an image recognition and detection system, which belongs to the technical field of image recognition. The image recognition and detection system comprises an image acquisition module, a data transmission module, a data processing module, an image recognition and detection module and a power supply module, wherein the image acquisition module is configured to acquire images of objects to be detected, the data transmission module is configured to transmit image data, the data processing module is configured to inpaint, integrate and process a plurality of acquired images, and the image recognition and detection module is configured to traverse and compare the image data processed by the data processing module with the internal data of the database and output corresponding results, which has advantages of multi-angle image acquisition, image inpainting and processing, multiple detection and high detection accuracy.

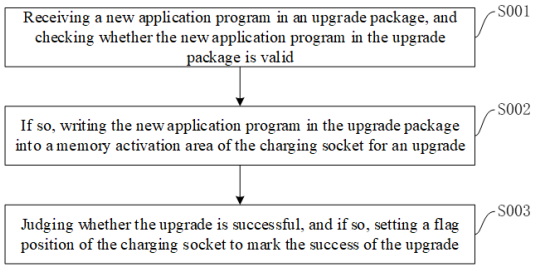


21: 2024/01889. 22: 2024/03/06. 43: 2024/09/09
51: G06F
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, Chao
33: CN 31: 202110985980.5 32: 2021-08-26

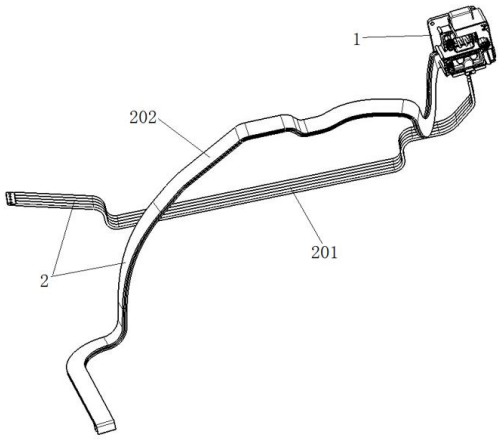
54: CHARGING SOCKET, CHARGING SOCKET UPGRADING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM

00: -

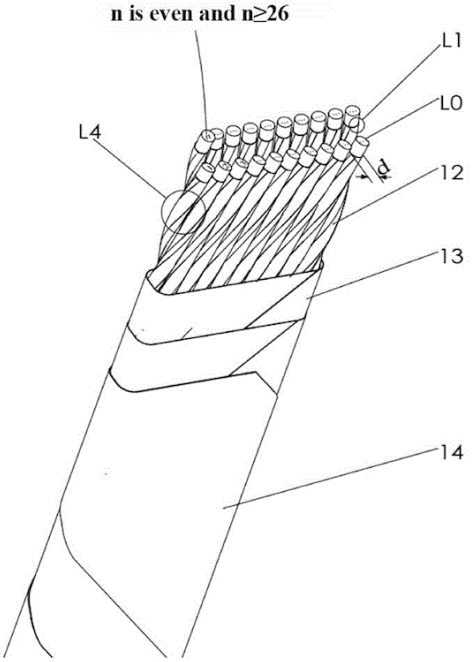
The present disclosure provides a charging socket, a charging socket upgrading method and apparatus, a device, and a storage medium. The method includes: receiving a new application program in an upgrade package, and checking whether the new application program in the upgrade package is valid (S001); if so, writing the new application program in the upgrade package into a memory activation area of a charging socket for an upgrade (S002); determining whether the upgrade is successful, and if so, setting a flag position of the charging socket to mark the success of the upgrade (S003). According to the described method, the charging socket can be upgraded by the aforementioned method, thereby improving the applicability of the upgrading process.



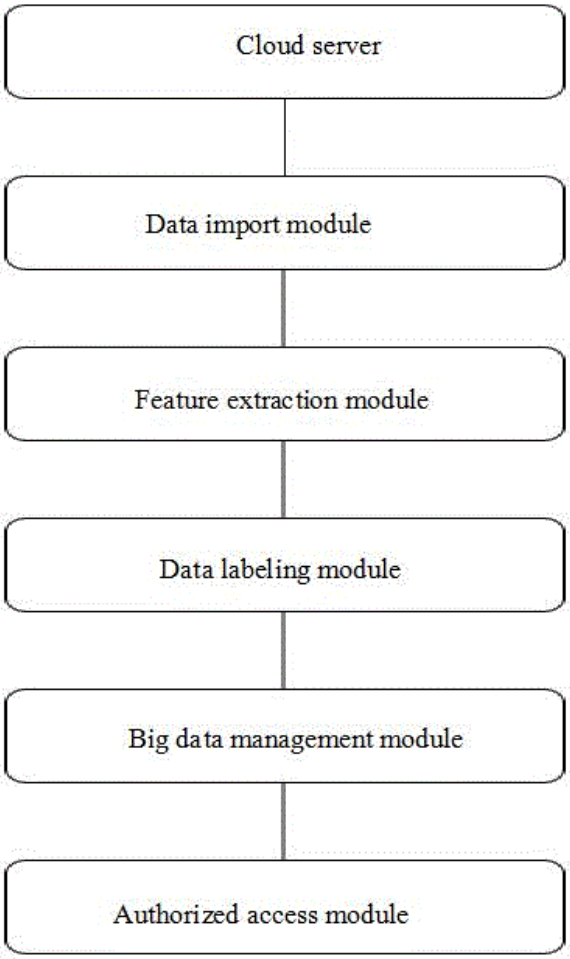
21: 2024/01893. 22: 2024/03/06. 43: 2024/09/09
51: H01B
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, Chao
33: CN 31: 202111028873.X 32: 2021-09-02
54: ELECTRIC ENERGY TRANSMISSION SYSTEM FOR VEHICLE, AND CHARGING APPARATUS AND ELECTRIC VEHICLE
00: -
The present disclosure provides an electric energy transmission system for a vehicle, a charging device and an electric vehicle. The electric energy transmission system for a vehicle includes a charging connection part (1) and an electric energy transmission guide rail (2), one end of which is connected to one end of the charging connection part (1). The electric energy transmission system for a vehicle have advantages of excellent conductive property, light weight, low cost, avoidance of electromagnetic interference, simple structure and convenient assembly in the process of high current charging.



21: 2024/01930. 22: 2024/03/07. 43: 2024/09/30
51: H01B
71: ANHUI SUNWAY CABLE CO., LTD.
72: Xiaojun Huang, Jingcheng Yu, Junyi Qian, Yunsheng Ding, Yinlin Xu
33: CN 31: 202311023303.0 32: 2023-08-15
54: A LOW DEVIATION FLAT TRANSPOSITION WIRE FOR ULTRA-HIGH VOLTAGE AUXILIARY REACTOR
00: -
The invention discloses a flat transposition wire with low deviation for ultra-high voltage supporting reactor and a manufacturing process. The flat transposition wire with low deviation for ultra-high voltage supporting reactor comprises a flat transposition wiring wire and a wrapping insulation layer. The flat transposition wiring wire comprises n (n is an even number and n is greater or equal to 6) film-wrapped round single wire. A double-layer arrangement structure is formed according to a certain pitch, a certain twist direction and a certain angle twist transposition pressing. The wiring transposition pressing process equipment includes three modules, namely, wiring transposition device, cam prepressing device and four-roll pressing device. The three devices are arranged in series, and the initial forming process, pre-fixing process and final forming process of flat transposition wire are completed respectively in the processing and forming process of flat transposition wire. The invention combines the structural characteristics and product requirements of low deviation flat transposition wire for ultra-high voltage auxiliary reactor, designs targeted manufacturing process and process equipment, has scientific process principle, outstanding advanced equipment, and strong flexible manufacturing capability of production wire.

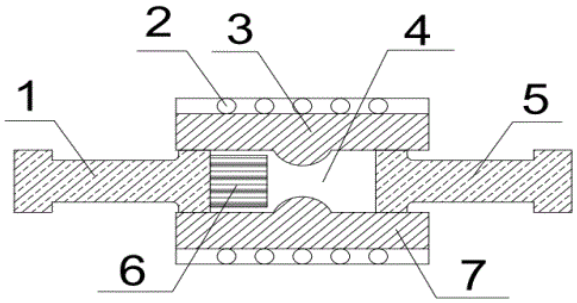


21: 2024/01958. 22: 2024/03/08. 43: 2024/09/19
51: A61B
71: The First Affiliated Hospital of Bengbu Medical University
72: LIU Peipei, DONG Xiaoyu, CHEN Shuang, LI Baoguang, ZHANG Ying, YAO Ke
54: DATA MANAGEMENT SYSTEM FOR CHILDREN IN PEDIATRIC NURSING
00: -
The invention discloses a data management system for children in pediatric nursing, which comprises a cloud server for storing child data and communicating and transmitting the data with other modules; the data import module is used for receiving case-related data, generating a case data set after processing the case-related data, importing and storing the case data set in the system database; the feature extraction module is used for extracting case data features to obtain text and image data features; the data labeling module is used for label that case image according to the characteristics of the text and the image data, and taking the structure metadata corresponding to the extracted characteristics as the label service case data, and storing the structured metadata as structured big data information; the big data management module is used to manage and maintain structured case big data and integrate case big data according to multi-application requirements; the authorization access module is used to complete the remote authorization function of children's relatives' identity and doctor's identity authentication based on the smart contract, and realize the data management of children.

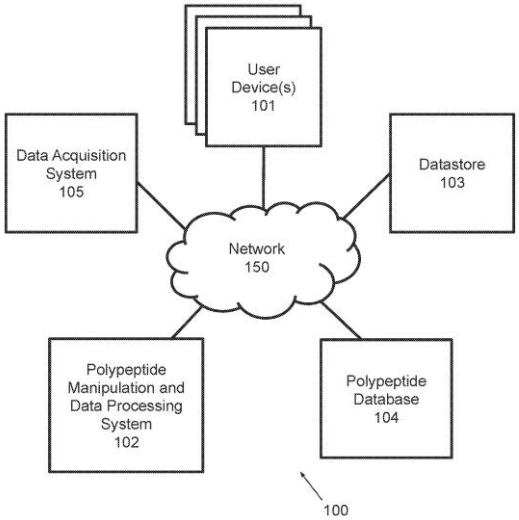


21: 2024/01959. 22: 2024/03/08. 43: 2024/09/19
51: C22C
71: Hai 'an & Taiyuan University of Technology Advanced Manufacturing and Intelligent Equipment Industrial Research Institute, Taiyuan University of Technology
72: Changjiang ZHANG, Heqing ZHANG, Jianchao HAN, Tao WANG, Zhaoping HOU, Ruipeng GUO, Min CHENG, Hang LI, Liangliang LIU
33: CN 31: 2023116525225 32: 2023-12-05
54: A PREPARATION METHOD OF A MICRO/NANO PARTICLE STRENGTHENING NEAR ALPHA HIGH TEMPERATURE TITANIUM ALLOY RESISTANT TO 700 DEGREES CELSIUS
00: -

The present invention discloses a preparation method of a micro/nano particle strengthening near alpha high temperature titanium alloy resistant to 700 degrees Celsius, which belongs to the field of thermal processing technology of titanium alloy materials. The specific steps are as follows: S1, the raw material Ti-7Al-2.5Sn-9Zr-1.5Mo-1.8Nb-1.8W-0.6Si high temperature titanium alloy ingot; S2. solid solution quenching at 20-50 degrees Celsius above Ts (silicide dissolution temperature); S3. the near alpha high temperature titanium alloy with high strength, toughness and microstructure stability was obtained by repeated cooling and reciprocating extrusion at 10-50 degrees Celsius below the (alpha + beta)/beta phase transition point; S4. aging treatment at 650-750 degrees Celsius. The present invention solves the problem that the thermal strength and microstructure stability of the current near-alpha high-temperature titanium alloy cannot be combined, and aims to provide a high-temperature titanium alloy that can serve at 700 degrees Celsius.

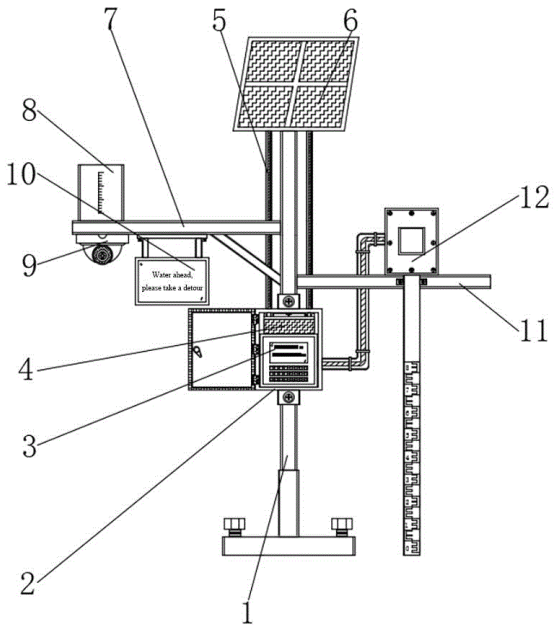


21: 2024/01991. 22: 2024/03/08. 43: 2024/09/12
51: C07K; G16B
71: STRENIC LLC
72: SOROKINA, Irina Nikolaevna
33: US 31: 63/244,262 32: 2021-09-15
54: SYSTEMS AND METHODS FOR MODIFYING THE FOLDING TRAJECTORY AND FACILITATING FOLDING OF POLYPEPTIDE CHAINS
00: -
The present invention relates to peptide manipulation systems and methods for modifying the folding trajectory and facilitating the folding of a polypeptide chain into native, non-native, or artificial conformations. The invention comprises applying movement restriction(s) and/or directional rotation(s) to a plurality of locations along a peptide backbone. The applied movement restriction(s) and/or directional rotation(s) are sufficient to achieve twisting or other conformation changes of different portions of the peptide backbone and thereby modify peptide folding trajectory and facilitate peptide folding.



21: 2024/01996. 22: 2024/03/11. 43: 2024/09/12
51: G01F
71: Henan University of Urban Construction
72: Lei Liu, Shen Liu
54: A WATERLOGGING WATER MONITORING SYSTEM FOR URBAN PHYSICAL EXAMINATION PLATFORM
00: -
The invention discloses a waterlogging water monitoring system for urban physical examination platform, comprising a supporting column, a warning mechanism and a measuring mechanism. The top of the supporting column is provided with a control box, and the inner wall of the control box is provided with a control terminal. The inner wall of the control box is provided with a battery, and the top of the battery is connected with a power supply line, and the top of the power supply line is connected with a solar panel. One end of the outer wall of the supporting column is welded with a mounting platform, the other end of the supporting column is welded with a fixing platform, and the measuring mechanism is installed on the top of the fixing platform. The waterlogging and waterlogging monitoring system of the urban medical examination platform can be set up in front

of the tunnel through the warning mechanism, so as to facilitate the monitoring of the water on the urban road. The display screen in the warning mechanism can broadcast the subtitle of the water on the road ahead, so as to remind passing vehicles and pedestrians to drive around.

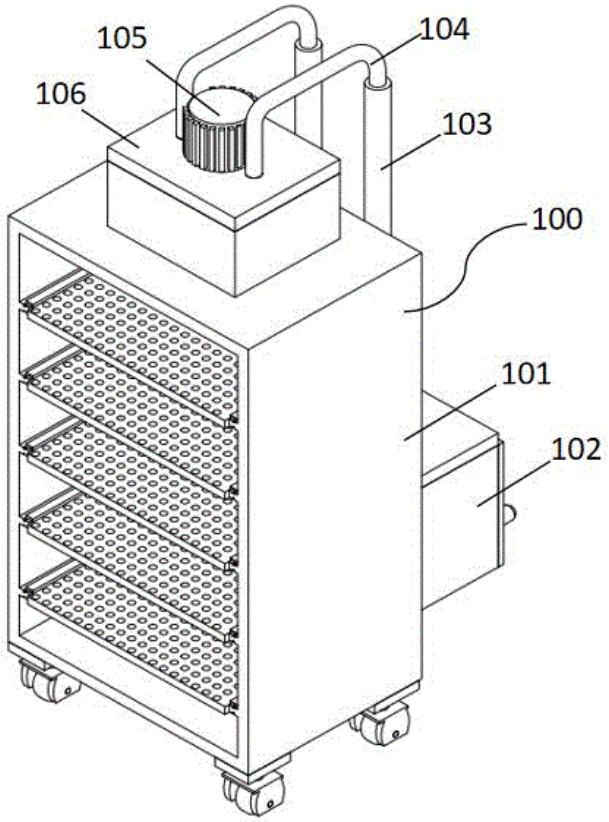


21: 2024/01997. 22: 2024/03/11. 43: 2024/09/12
51: H05K
71: Henan University of Urban Construction
72: Lei Liu, Shen Liu

54: A HEAT DISSIPATION DEVICE FOR BIG DATA SERVER

00: -

The invention discloses a heat dissipation device for a big data server. A heat dissipation device for big data server includes: The radiator is provided with a plurality of radiating fins, the radiating fin is provided with a plurality of cold water pipes, one end of the radiating fin is also provided with a cold water inlet valve and a cold water discharge valve, the upper end of the radiating fin is fixed on the intake pipe, one end of the intake pipe is fixed on the heat dissipation fan, the heat dissipation fan is provided with a motor, It can prevent the big data server from discharging indoor heat, resulting in repeated circulation of heat into the big data server. By introducing cold air, the working temperature inside the big data server can be effectively reduced, and the performance degradation or damage caused by overheating of the big data server components can be reduced.



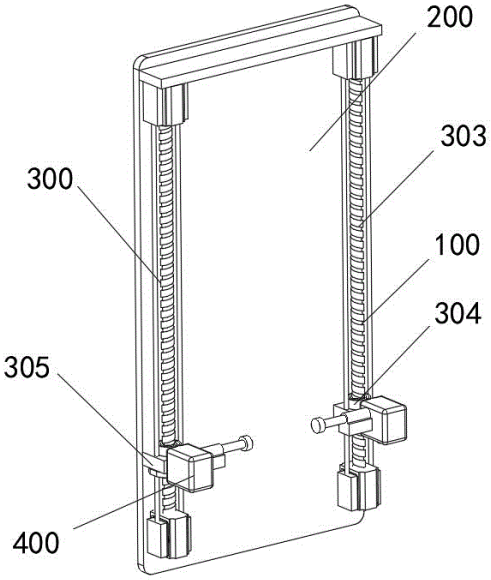
21: 2024/02004. 22: 2024/03/11. 43: 2024/09/12
51: G06F
71: Henan University of Urban Construction
72: Lei Liu, Shen Liu

54: A BIG DATA SERVER WITH DUST-PROOF EFFECT

00: -

The invention discloses a big data server with dust-proof effect. A big data server with dust-proof effect comprises a data server cabinet, in which the big data server is arranged inside a cabinet and a cabinet backplane is arranged inside a cabinet. A linear lifting component is installed on the cabinet backplane, and a dust removal component is installed on the linear lifting component. The invention adopts the mutual motion coordination between the linear lifting component and the dust removal component. When the dust removal component is moving, the user can drive the fan by giving it a driving power, so that the fan located in the fan base can be driven. In this case, the suction coordination between the dust storage box and the

fan tube makes the dust floating in the cabinet enter the dust storage box under the suction of the fan to store the dust. In this way, the dust-proof effect of the big data server is realized and the service life of the big data server is increased.



21: 2024/02028. 22: 2024/03/12. 43: 2024/09/12
51: F28B
71: EVAPCO, INC.
72: LIBERT, Jean-Pierre, HUBER, Mark
33: US 31: 63/232,970 32: 2021-08-13
33: US 31: 17/887,711 32: 2022-08-15

54: AIR-COOLED STEAM CONDENSER WITH IMPROVED SECOND STAGE CONDENSER

00: -

Large scale field erected air cooled industrial steam condenser having heat exchanger panels with primary and secondary condenser sections, in which the secondary condenser section comprises 10% or less of the total heat exchanger, and in which the tubes of the primary condenser sections have narrowed outlet orifices having an area that is 50% or less than the cross-sectional area of a corresponding tube. The invention permits the reduction of secondary condenser tubes while reducing the outlet header pressure sufficiently to minimize backflow, sweep non-condensables and prevent the formation of dead zones.

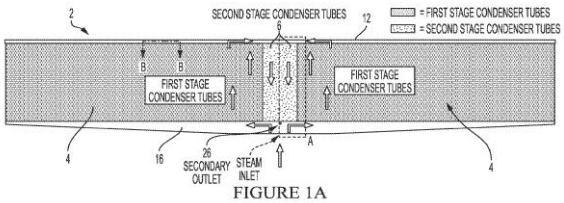


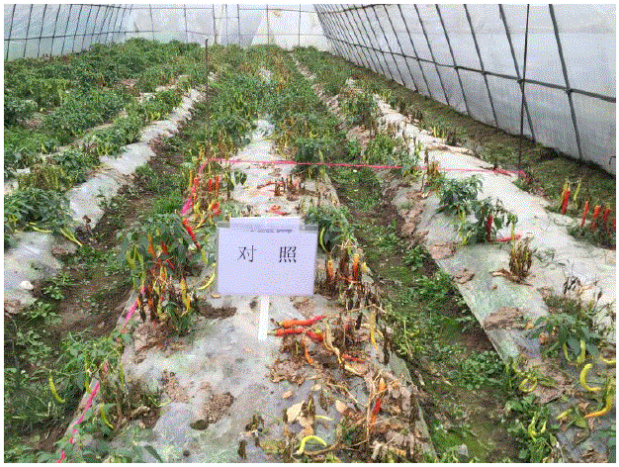
FIGURE 1A

21: 2024/02055. 22: 2024/03/13. 43: 2024/09/13
51: C09K
71: zhejiang academy of agricultural sciences, Zhejiang province agriculture technology popularizing center
72: Yao yanlai, Zhu Weijing, Dingjian, Hong Chunlai, Zhu Fengxiang, Wang Weiping

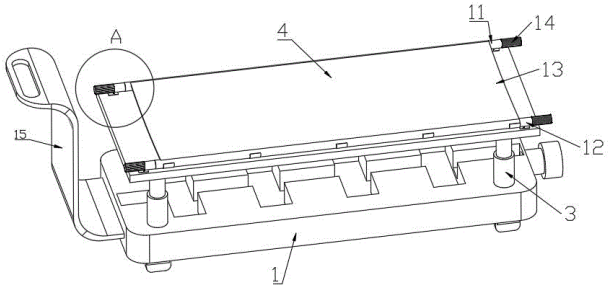
54: A METHOD AND REMEDIAL AGENT FOR ECOLOGICALLY RESTORING BARRIERS TO THE CULTIVATION OF FACILITY ECONOMIC CROPS

00: -

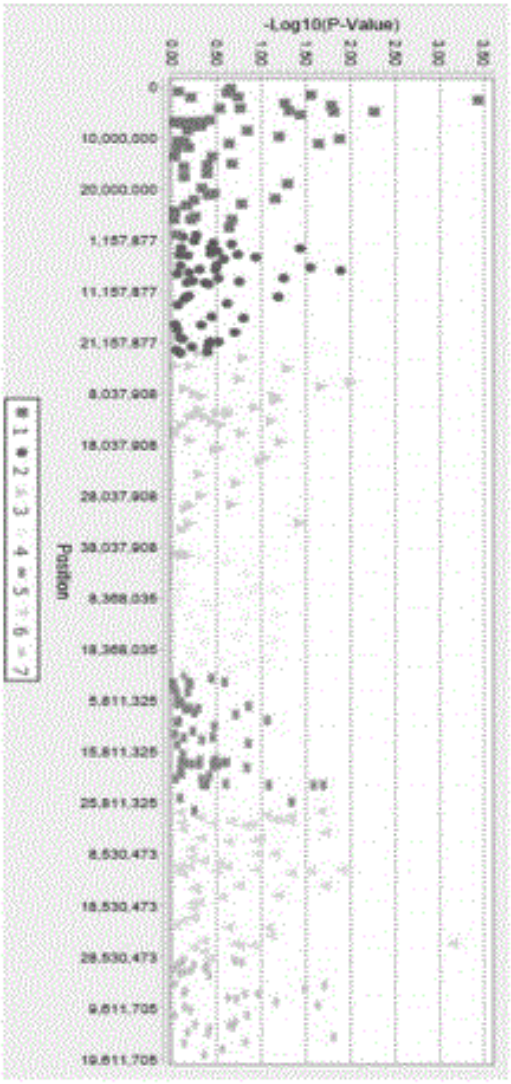
This invention discloses a method and a remedial agent for ecologically restoring barriers to the cultivation of facility economic crops. The remedial agent comprises, by mass fraction: silkworm sand 60%-80%, sugarcane bagasse 20%-40%. Addressing the shortcomings of existing control techniques, this invention takes a technical approach to soil ecological restoration. By adding a soil remedial agent composed mainly of organic materials to the barrier soil, the invention improves soil acidification, reduces salinization, and effectively kills pathogenic microorganisms in the soil within a short period under conditions of maximum saturation moisture content. This method aims to eliminate planting obstacles and ensure the normal production of facility economic crops. It aims to guarantee the normal production of facility crops, increase farmers' income, safeguard consumer health, reduce environmental pollution, and maintain the sustainable development of agriculture.



21: 2024/02058. 22: 2024/03/13. 43: 2024/09/13
51: A61G
71: PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE
72: Deju Li, Hong Fu, Youzhen Chen
54: A MULTIFUNCTIONAL STRETCHER FOR EMERGENCY INTERNAL MEDICINE DEPARTMENT
00: -
A multifunctional stretcher for emergency internal medicine department comprises a support base, a support platform, height adjustment components and a stretcher; the support base is connected to the support platform through the height adjustment components; a plurality of connecting clamps are arranged on the support platform for fixing the stretcher; connecting plates are arranged at both ends of the stretcher; the connecting plates on the stretcher are fixed on the support platform through screws. The invention adopts a combination of multiple structures such as the support base, the support platform, the height adjustment components and the stretcher. The support platform and the stretcher are detachable connection structures. The invention can be used as a stretcher to transport patients, or the stretcher can be placed on a support platform and used as a workbench; it can effectively improve the work efficiency of stretcher bearers in transporting the stretchers and improve the safety of patients. The above structure increases the versatility of the stretcher and is highly practical.



21: 2024/02113. 22: 2024/03/14. 43: 2024/09/18
51: C12Q; C12N
71: Beijing Academy of Agriculture and Forestry Sciences
72: MAO, Aijun, WANG, Hang, WEN, Changlong, ZHANG, Jian, YANG, Jingjing, LUO, Jiang, ZHANG, Chengdong, HUANG, Jijun, ZHANG, Xiaofei, XIA, Changxuan, ZHAO, Hong, TIAN, Shouwei
33: CN 31: 2023113535494 32: 2023-10-19
54: PRIMER SET AND KIT FOR IDENTIFYING FEMALE STRENGTH OF CUCUMBERS AND USE THEREOF
00: -
The present disclosure relates to the field of biotechnology, and particularly to a primer set and a kit for identifying female strength of cucumbers and use thereof. The primer set provided by the present disclosure can be used for early identification in the seed or seedling stage of cucumbers, and used to identify the female strength of North China dense-thorn type cucumbers, especially for first-generation hybrid commercial varieties, and provide technical support for accelerating the breeding of subgynoecious and gynoecious sex types of North China dense-thorn type cucumbers. Furthermore, the detection method provided by the present disclosure has the advantages of high throughput, accuracy, low cost, simple operation, and manpower and time-saving, and has very broad application prospects.

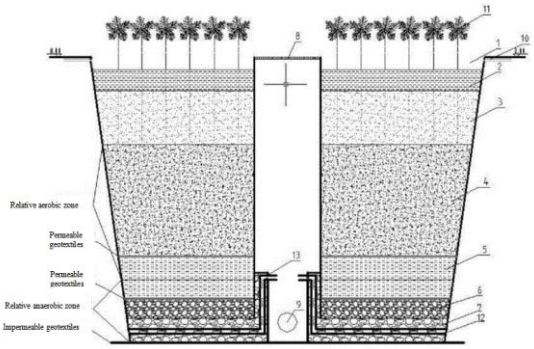


21: 2024/02114. 22: 2024/03/14. 43: 2024/09/18
51: C02F
71: Hunan University of Technology
72: PENG Bo, ZHANG Lehong, FU Zhengrong, ZHANG Weiqi, CAO Kui

54: INVENTION RELATES TO ENHANCED BIOLOGICAL RETENTION POND FOR ENHANCED NITROGEN AND PHOSPHORUS REMOVAL

00: -

The invention provides a biological retention pond for enhanced nitrogen and phosphorus removal, which comprises a pit main structure, a filler configuration and a pipeline system; the main structure is a pit with a slope and impervious geotextile, from top to bottom are respectively super high layer, cover layer, planting soil layer, upper packing layer, lower packing layer, coarse sand layer and gravel discharge layer; the upper packing layer adopts quartz sand and the lower packing layer adopts composite packing; the piping system comprises a perforated discharge tube, an inspection well and an overflow pipe. The perforated discharge tube is located at the gravel discharge layer and connected to a rainwater inspection well outside the main structure; the overflow pipe is arranged at a super high layer of the main structure to facilitate timely drainage to the rainwater inspection well. The invention enhances the removal of nitrogen and phosphorus from the biological retention tank through the setting of multi-layer filler, structure optimization and filler configuration. The modified biological retention tank has simple structure, strong function, wide distribution of fillers and waste as treasure, which is suitable for large-scale application.



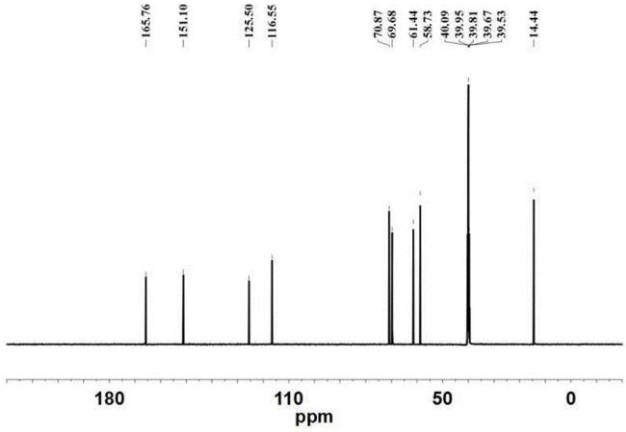
21: 2024/02115. 22: 2024/03/14. 43: 2024/09/18
51: A61K
71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
72: WU Jiaqiang, DING Luogang, YU Jiang, ZHANG Yuyu, SHI Min, JI Xiang, LI Jianda, REN Sufang, LIU Fei, CHEN Zhi, ZHANG Lin
33: CN 31: 2023117581307 32: 2023-12-20

54: PREPARATION METHOD AND APPLICATION OF PORCINE CIRCOVIRUS TYPE II NANOVACCINE BASED ON COVALENT ORGANIC FRAMEWORKS

00: -

The invention relates to a preparation method and application of porcine circovirus type II nanovaccine based on covalent organic frameworks, and relates to the technical field of nano material preparation. The porcine circovirus type II nanovaccine based on covalent organic frameworks is obtained by encapsulating porcine circovirus type II biomolecules

with nanocrystalline material COFs, where the porcine circovirus type II biomolecules are PCV2 Cap proteins. The nanovaccine provided by the invention can provide a stable microenvironment for porcine circovirus II biomacromolecule, and can enhance the thermal stability and chemical stability of biomacromolecule, thereby inducing a long-term immune response and constructing an effective immune defense system.

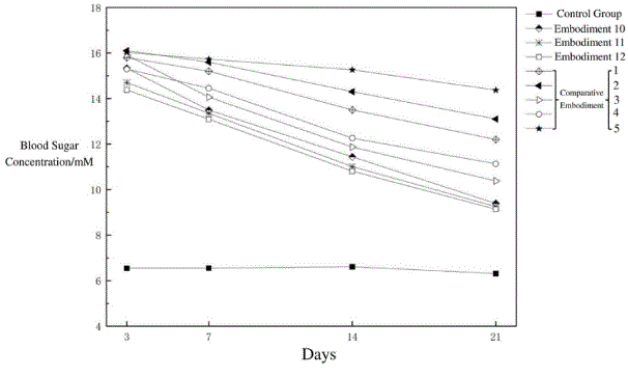


21: 2024/02116. 22: 2024/03/14. 43: 2024/09/18
51: A61K
71: Daodu Health Management Consulting (Xuzhou) Co., Ltd
72: Huajun Liu, Xuemei Liu
33: CN 31: 202410127364X 32: 2024-01-30

54: HEALTHY TEA DRINK FOR LOWERING BLOOD SUGAR AND PREPARATION METHOD THEREOF

00: -

The amino sugar, and belongs to the field of tea preparation, and specifically relates to a healthy tea drink for lowering blood sugar and a preparation method thereof. The healthy tea drink is composed of American ginseng-Pueraria lobata fermentation broth, Astragalus fermentation broth, Portulaca oleracea fermentation broth, amino sugar, and water. Based on the medicinal properties and morphological differences of American ginseng, Pueraria lobata, Astragalus, and Portulaca oleracea, different pre-treatment and fermentation methods are designed. For example, American ginseng and Pueraria lobata are steamed in ginger water, and porous microspheres immobilized with Rhizopus are used to ferment Portulaca oleracea, etc. A healthy tea drink that is more peaceful, soothing, and has better flavor can be prepared. The healthy tea drink can effectively achieve the function of lowering blood sugar without bringing additional burden. It is suitable for a wide range of people and has stable health care effects.

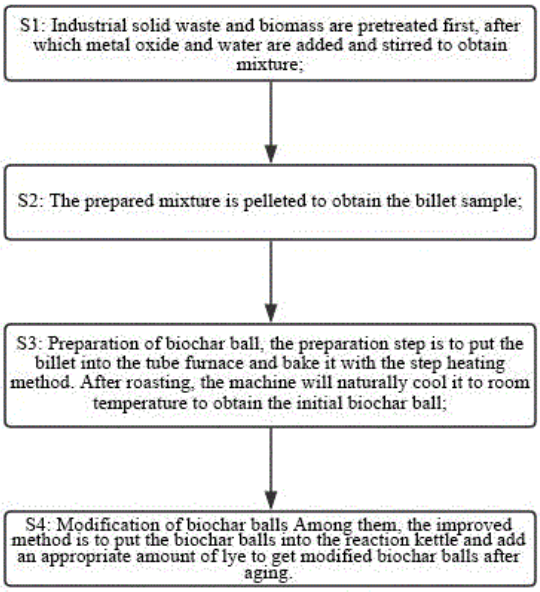


21: 2024/02120. 22: 2024/03/14. 43: 2024/09/18
51: B01J
71: Kunming University of Science and Technology
72: Lan Zhang, Xiang Dong, Qihong Cen, Yan Zhao, Fangfang Li

54: A METHOD FOR PREPARING BIOCHAR BALLS WITH HIGH ADSORPTION PERFORMANCE USING SOLID WASTE AS RAW MATERIAL

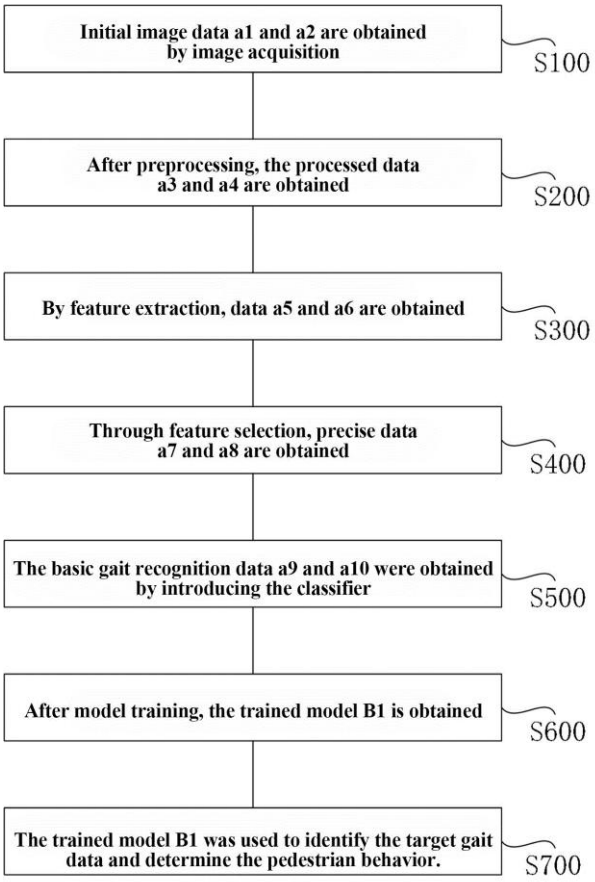
00: -

The invention discloses a method for preparing biochar ball with high adsorption performance by using solid waste as raw material, which relates to the technical field of biochar preparation. The invention firstly pretreats industrial solid waste and biomass, after which metal oxide and water are added and stirred evenly to obtain mixture; then the prepared mixture was pelleted to obtain the billet sample. The initial biochar ball was obtained by calcination and cooling of the billet sample with step heating. The biochar ball was modified to obtain the modified biochar ball. The biochar ball can be obtained by roasting in one step, the process steps are simple, energy consumption is saved, and the prepared biochar ball has abundant surface functional groups and excellent adsorption properties, and solves the technical problems existing in the prior art.



21: 2024/02121. 22: 2024/03/14. 43: 2024/09/18
51: G06T
71: Suzhou University
72: Nannan Liang, Kai Guo
33: CN 31: 202410155586.2 32: 2024-02-04
54: A MULTI-MODE IMAGE FUSION METHOD BASED ON DATA ADAPTIVE GRAPH CONVOLUTIONAL DEEP NETWORK
00: -
The invention discloses a multi-mode image fusion method based on data adaptive graph convolutional deep network. It includes the following steps: a. Select the historical parameter data of the original image in the specified period, carry out outage elimination, null filling and data sampling on the historical parameter data, and determine the scope of the original image boundary to be expanded by referring to the original image boundary to be fused; B. Compare the sampled data point to point to obtain the comparison value sequence corresponding to the sampling sequence, and carry out virtual pixel processing on the extended range to obtain the image after virtual pixel processing. Through the method, the boundary of the original image will not be blurred after image fusion, so that the obtained fused image has higher robustness, better precision and faster calculation speed.

21: 2024/02122. 22: 2024/03/14. 43: 2024/09/18
51: G06K
71: Shaanxi Institute of International Trade & Commerce
72: Xijuan Wang, Pengyi Zheng, Jing Guo, Ru Chen, Jingqiang Hou
54: A GAIT METHOD AND SYSTEM BASED ON IMAGE RECOGNITION
00: -
The application discloses a gait method and system based on image recognition. Among them, the initial image data a1 and a2 are collected, and the processed data a3 and a4 are obtained. Then they are screened to obtain accurate feature data a7 and a8. Select the classifier of gait recognition task, import the precise feature data a7 and a8 into the classifier, and obtain the basic gait recognition data a9 and a10. The labeled training data is used to train the classifier so that the classifier can distinguish different gait features, and the trained model B1 is obtained. The training data includes gait recognition basic data a9 and a10 to determine pedestrian behavior. Through the above steps, an effective gait recognition computational model for image processing can be established. It is used to identify and analyze the gait characteristics of pedestrians, greatly improve the accuracy of gait recognition, so as to judge the accuracy of human behavior more accurately. This technology has a wide range of applications in security monitoring, biometric identification and other fields.

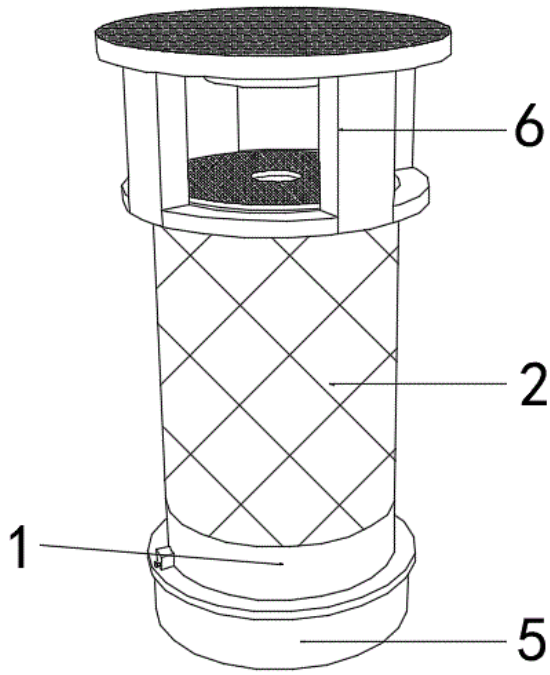


21: 2024/02123. 22: 2024/03/18. 43: 2024/09/18
51: A01M
71: Inner Mongolia Agricultural University, IMAU
72: Huo Zhijia, Chang Jing, Wang Qian, Lei Yuchen, Yang Nan, Song Baixuan, Ma Wenyue

54: BIOLOGICAL CONTROL DEVICE FOR INSECT PESTS

00: -

The present invention provides a biological control device for insect pests, including a support seat. A protection net is arranged at one end above the support seat, an electrical net is arranged at one end inside the support seat, a lamp tube is arranged at one end inside the support seat, and a collecting dish is arranged at one end of a bottom of the support seat. According to the present invention, the following problems are solved by arranging the protection net and the collecting dish, etc. In some general insect pests control devices, lights are used to attract the insect pests, but after some insect pests are killed and collected, it is inconvenient to disassemble the devices to clean up corpses of the insect pests; some insect pests are not easy to be killed at one time, which may lead to incomplete trapping and killing of the insect pests, and the general insect pests control devices are inconvenient to use; and the general insect pests control devices generally use a single control measure and cannot be adapted to diverse environments, which leads to the low efficiency of trapping and killing the insect pests.



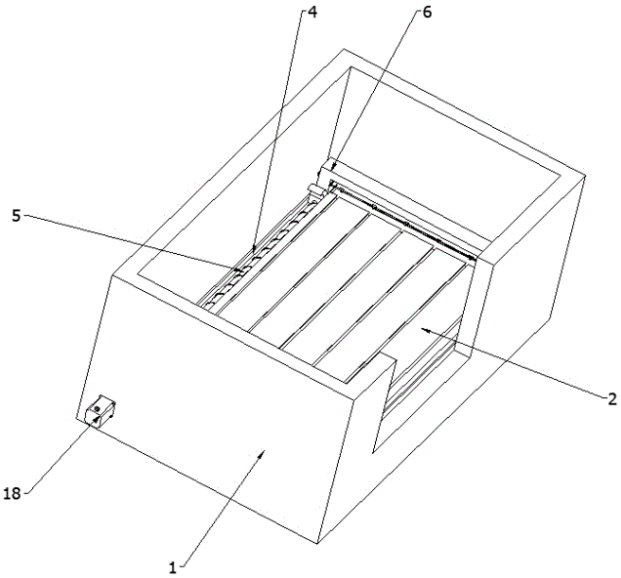
21: 2024/02124. 22: 2024/03/18. 43: 2024/09/18
51: B23Q
71: Huanghu (Zhejiang) Precision Machine Tool Co., Ltd.
72: Huang Wenbo, Zhang Liang, Lan Zhijun, Dong Wei

54: MECHANISM FOR BLOWING CHIPS OF NUMERICAL CONTROL MACHINE TOOLS

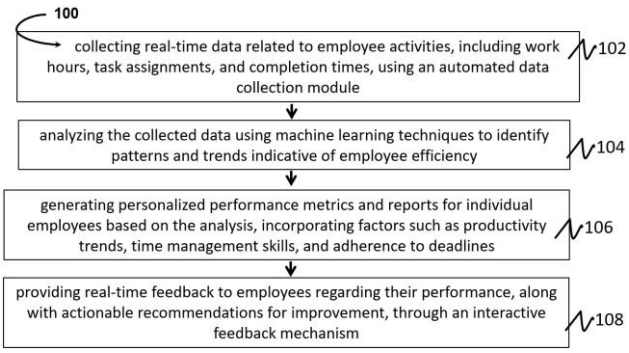
00: -

The present patent relates to the technical field of machine tool auxiliary mechanisms, and in particular to a mechanism for blowing chips of numerical control machine tools, including a machine tool body. A workbench is disposed on the machine tool body, rotating grooves are arranged at the positions of the machine tool body on both sides of the workbench, and a chip outlet groove is disposed on the other side of the machine tool body; threaded rods are rotatably connected in the rotating grooves, and a support frame is threadedly connected to the threaded rods; and several first spray heads are

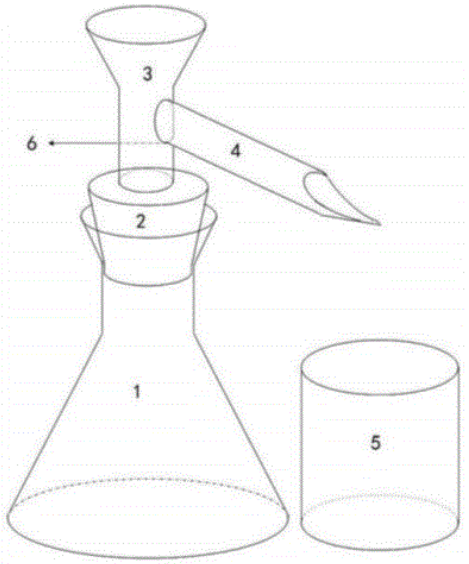
fixedly connected to the support frame, a sliding groove is disposed on the support frame, and a conversion mechanism is slidably connected in the sliding groove. According to the present invention, the first spray heads blow air to the workbench through an external fan, thereby blowing off iron chips from a table top of the workbench, then blow air into T-shaped grooves on the workbench through the conversion mechanism, thereby blowing off the iron chips from the T-shaped grooves, which ensures the cleaning of the workbench after processing is completed and accelerates the cleaning speed of the workbench, thereby improving the overall processing speed and reducing the labor intensity of workers.



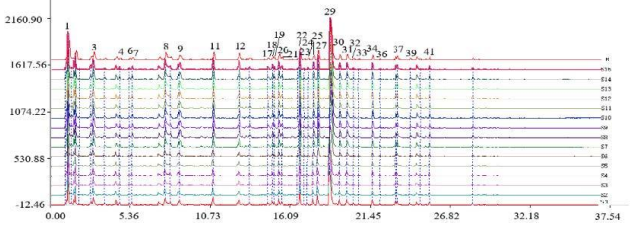
21: 2024/02125. 22: 2024/03/18. 43: 2024/09/18
51: G06Q
71: Dr. Sweta, Dr. Raj Sinha
72: Dr. Sweta, Dr. Raj Sinha
54: ARTIFICIAL INTELLIGENCE-BASED EMPLOYEE EFFICIENCY MONITORING SYSTEM
00: -
The present invention discloses an artificial intelligence-based system and method for assessing and improving employee efficiency within organizations. The system collects real-time data on employee activities, employs advanced machine learning techniques to analyze performance metrics, and provides personalized feedback and recommendations for improvement. By involving AI technology, the system provides a unique mechanism to employee efficiency monitoring, facilitating enhanced productivity and performance optimization within the organization.



21: 2024/02126. 22: 2024/03/18. 43: 2024/09/18
51: G01F
71: Xinjiang Agricultural University
72: REN, Jiaojiao, WU, Penghao, BAI, Guanghong
54: SEED VOLUME MEASURER AND MEASURING METHOD
00: -
The present invention discloses a seed volume measurer and measuring method. The volume measurer includes: an object bottle configured to accommodate liquid and a seed to be measured; a rubber plug, where the rubber plug is fixedly inserted into a top opening of the object bottle, and the rubber plug is longitudinally provided with a through hole; a loading tube, where the loading tube is inserted into the through hole and configured to add the liquid and the seed to be measured; a liquid discharge tube, where the liquid discharge tube is fixedly arranged on the loading tube above a water line and configured to discharge the liquid; a container configured to be placed at a liquid outlet end of the liquid discharge tube and accommodate the discharged liquid; and a 0.01 g-capacity balance configured to measure a weight of the discharged liquid.



21: 2024/02127. 22: 2024/03/18. 43: 2024/09/18
51: G01N
71: THE FIRST HOSPITAL OF HUNAN UNIVERSITY OF CHINESE MEDICINE（CLINICAL RESEARCH INSTITUTE OF TRADITIONAL CHINESE MEDICINE）
72: LONG, Hongping, WANG, Yuhong, WANG, Yajing, HAN, Yuanshan, YANG, Hui
33: CN 31: 2024100978499 32: 2024-01-23
54: FINGERPRINT SPECTRUM OF ZUOGUI JIANGTANG JIEYU FORMULATION, ESTABLISHMENT METHOD AND APPLICATION THEREOF
00: -
The present invention belongs to the technical field of pharmaceutical analysis, and discloses a fingerprint spectrum of Zuogui Jiangtang Jieyu Formulation, an establishment method and an application thereof. Taking Zuogui Jiangtang Jieyu Formulation as a detection object, fingerprint spectra and a detection method for Zuogui Jiangtang Jieyu Formulation are established, and relatively comprehensive information of the fingerprint spectra is obtained. A total of 44 characteristic peaks are obtained, and 21 common characteristic peaks are confirmed by the liquid chromatography–mass spectrometry (LC-MS). Peak 12, paeoniflorin, is selected as an internal reference peak, relative retention time of the common characteristic peaks of Zuogui Jiangtang Jieyu Formulation is determined, and the similarity of the characteristic spectra of a plurality of chromatographic peaks of the fingerprint spectra is calculated by combining with the information thereof, indicating that the similarity is not lower than 0.90. The method for quality detection of Zuogui Jiangtang Jieyu Formulation established in the present invention evaluates the quality of Zuogui Jiangtang Jieyu Formulation through various investigations, and provides reference basis for quality control study and optimization of production process of Zuogui Jiangtang Jieyu Formulation.



21: 2024/02128. 22: 2024/03/18. 43: 2024/09/18
51: A61K; C08B
71: LANZHOU UNIVERSITY
72: HUANG, Xiaodan, NIU, Yuanlin, LI, Bin, LI, Diantong, LIU, Wei
33: CN 31: 2024101929930 32: 2024-02-21
54: PREPARATION METHOD OF BRASSICA RAPA L. CRUDE POLYSACCHARIDE AND ITS APPLICATION IN ALLEVIATING INTESTINAL DAMAGE CAUSED BY PLATEAU HYPOXIA
00: -
The present invention provides Brassica rapa L. polysaccharides and their preparation methods, as well as their role in alleviating intestinal injury caused by high-altitude hypoxia. The invention belongs to the field of medical technology. The preparation method of Brassica rapa L. polysaccharides provided by the present invention includes the following steps: crushing the freeze-dried Brassica rapa L., removing pigments, lipids, and monosaccharides, and then vacuum filtration to obtain insoluble residues. The extraction of crude polysaccharides from these residues is achieved through an ultrasound-assisted hot water immersion technique. The obtained Brassica rapa L. polysaccharide can reduce oxidative stress caused by plateau hypoxia by utilizing its antioxidant activity, thereby alleviating intestinal damage caused by hypoxia.

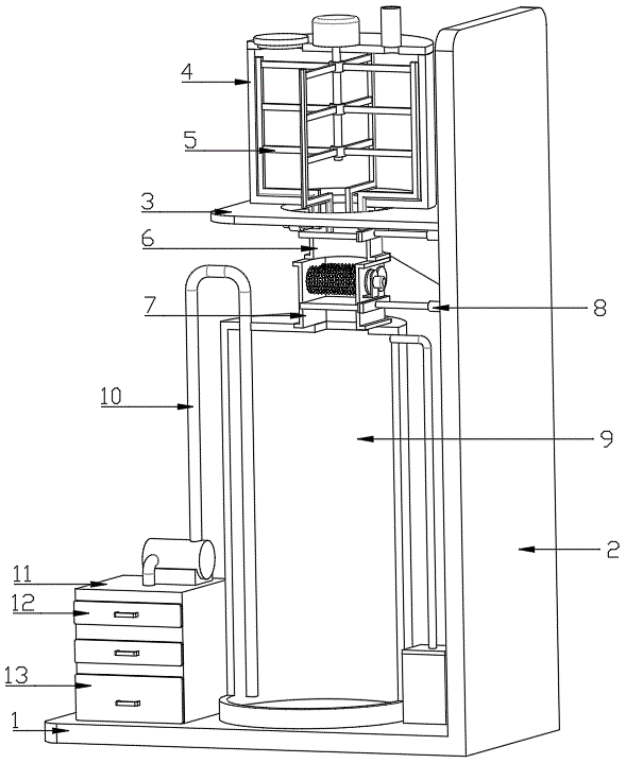


21: 2024/02129. 22: 2024/03/18. 43: 2024/09/18
51: B01D
71: Gansu Agricultural University
72: He Wanhong, Zhang Jianchun, Zhang Wangdong, Duan Yongxia, Chen Li, Yao Wanling
33: CN 31: 202420010621.7 32: 2024-01-03

54: ADSORPTION AND EXTRACTION DEVICE FOR COMPONENT SEPARATION OF EUCOMMIA ULMOIDES LEAVES EXTRACT

00: -

The invention relates to an adsorption and extraction device for component separation of Eucommia ulmoides leaves extract, which comprises a bottom plate, and a vertical plate is arranged on the right side of the upper end of the bottom plate, and a horizontal plate is arranged on the left side of the vertical plate; the upper end of the horizontal plate is provided with a washing barrel, and a stirring scraping assembly is arranged in the washing barrel; the lower end of the washing barrel is connected with a plugging pipe, and the lower end of the plugging pipe is connected with a crushing box; the plugging pipe and the crushing box are respectively provided with plugging assemblies, the lower end of the crushing box is connected with a distillation tank, and the distillation tank is connected with a collecting box through a collecting pipe; a plurality of filter assemblies and a collecting drawer are detachably installed in the collecting box. The invention has the advantages that the washing barrel is stirred by the stirring scraping assembly, so that the Eucommia ulmoides leaves are cleaned, and the Eucommia ulmoides leaves attached to the inner wall of the washing barrel are scraped off when discharging, so that part of the washing barrel is prevented from discharging; the impurities in Eucommia ulmoides leaves essence are filtered by the filter assembly, which is convenient to install and disassemble and easy to clean.



21: 2024/02130. 22: 2024/03/18. 43: 2024/09/18
51: C09K
71: Dao Mingzhao
72: Dao Mingzhao
33: CN 31: 202310529958.9 32: 2023-05-11

54: SOIL REMEDIATION AGENT AND USING METHOD THEREOF

00: -

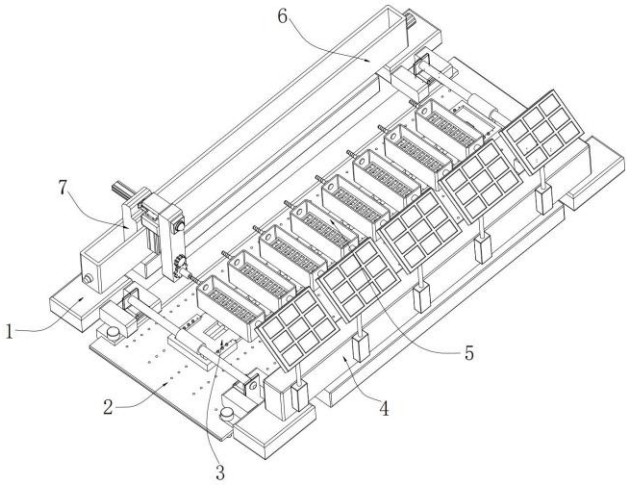
The present invention provides a soil remediation agent and a using method thereof, falling within the technical field of soil remediation. The present invention includes the following components: calcium oxide, silicon dioxide, magnesium oxide, potassium oxide, lysozyme and selenium; and in terms of a total weight of a soil remediation agent, a weight ratio of each component is as follows: 20-50 parts of calcium oxide, 16-35 parts of silicon dioxide, 4-9 parts of magnesium oxide, 3-7 parts of potassium oxide, 0.005-0.05 parts of lysozyme, and 0.05-0.5 parts of selenium. In the present invention, the mode of "soil purification and conditioning + bacteriostasis and quality upgrading" is used to effectively solve the problems caused by continuous cropping in tobacco fields, thus adjusting and improving the acidified soil, and a granular structure of the acidified soil becomes loose and has better water absorption and water retention; the harmful heavy metals in the soil can be effectively adsorbed and washed, and the tobacco self-retained toxins can be decomposed; and the lysozyme contained in the soil remediation agent of the present disclosure can destroy the cell wall of pathogenic bacteria, thus inactivating the pathogenic bacteria.

21: 2024/02131. 22: 2024/03/18. 43: 2024/09/18
51: C02F
71: Huaqian Mou
72: Huaqian Mou

54: A GREEN ENVIRONMENTAL PROTECTION WATER ENVIRONMENT TREATMENT EQUIPMENT

00: -

The invention provides a green environmental protection water environment treatment equipment, which relates to the technical field of water environment treatment equipment. The invention includes a floating body component; It also includes a collection component, a mounting component, a solar power supply component, a aquatic grass bearing component, a moving component and an overturning component. The device is designed by placing the floating body component on the surface of the water, planting the aquatic grass in the aquatic grass mounting component, and then placing the aquatic grass mounting component on the mounting component. When the aquatic grass in the aquatic grass mounting component needs to be poured out, the overturning component is opened and the aquatic grass mounting component is lifted and turned over, so that the aquatic grass in the aquatic grass mounting component can be poured on the collection component. In the case of serious pollution in the water environment, it is difficult to timely remove and replace the aquatic grass that is hindered by growth, malnutrition or even death. It is not convenient to collect and clean the aquatic grass floating body on the water surface, it is not easy to maintain and the environmental protection is insufficient.



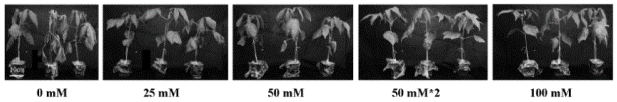
21: 2024/02133. 22: 2024/03/18. 43: 2024/09/18
51: A01N
71: Huazhong Agricultural University
72: YANG, Xiyan, XIA, Linjie, ZHANG, Xianlong, ZHU, Longfu, WANG, Yuxin, SUN, Simin, RONG, Yuxuan, YU, Yu

54: APPLICATION OF EXTERNALLY APPLYING THIAMINE IN IMPROVING DROUGHT RESISTANCE OF GOSSYPIUM HIRSUTUM AT SEEDLING STAGE AND FIELD

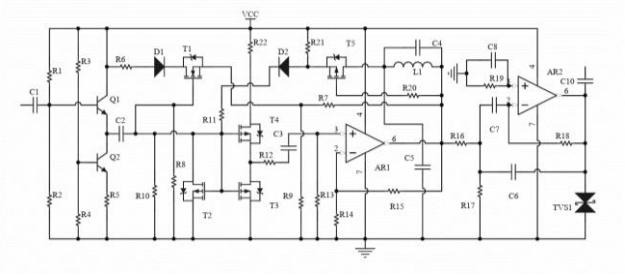
00: -

The present invention provides application of foliage spray of thiamine with different concentration gradients in improving drought resistance of Gossypium hirsutum at a seedling stage, and belongs to the technical field of plant biochemistry. Foliage spray of a thiamine aqueous solution of 25/50/100 mmol/L onto Gossypium hirsutum at a trifoliate stage, with a spraying amount of 2-5 mL per plant, effectively improves drought resistance of

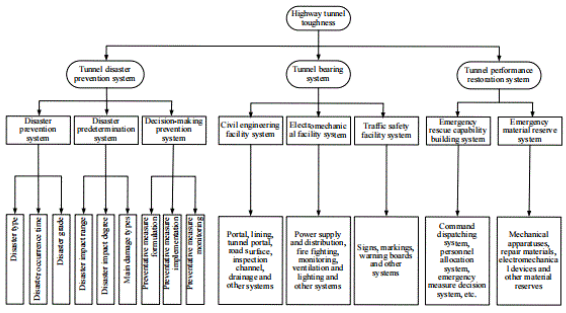
Gossypium hirsutum. Besides, the present invention further provides application of externally applying thiamine in improving drought resistance of Gossypium hirsutum at a bud stage. After foliage spray of a thiamine aqueous solution of 50 mmol/L onto several Gossypium hirsutum varieties planted in Xinjiang at the bud stage under reduced water conditions, physiological and biochemical indicators determined indicate that externally applying thiamine can enhance drought resistance of the Gossypium hirsutum at the bud stage, and besides, effectively improve yield and fiber quality of Gossypium hirsutum.



21: 2024/02134. 22: 2024/03/18. 43: 2024/09/18
51: H04N
71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY
72: Zhang Pingjuan, Wang Hongyu, Wang Le
54: ADAS DRIVING RECORDER FOR FATIGUE DRIVING DETECTION
00: -
The present invention discloses an ADAS driving recorder for fatigue driving detection, comprising an image acquisition unit for collecting driver faces. The output end of the image acquisition unit is connected to the input end of the image adjustment unit, and the output end of the image adjustment unit is connected to the input end of the target detection unit through an analog-to-digital conversion module; The object detection unit detects objects in image signals based on a face detection model, and the face detection model trains the MTCNN model based on a preset image training set and optimizes it based on intersection and union ratios; The output end of the object detection unit is connected to the input end of the key point positioning unit; The key point positioning unit uses a key point detection model to locate and sequence the facial key points, and the output end of the key point positioning unit is connected to the input end of the fatigue detection unit; The fatigue detection unit is used to determine the fatigue status of drivers and send alarm signals. The present invention can improve the recognition accuracy of fatigue assessment and reduce the occurrence of traffic accidents.

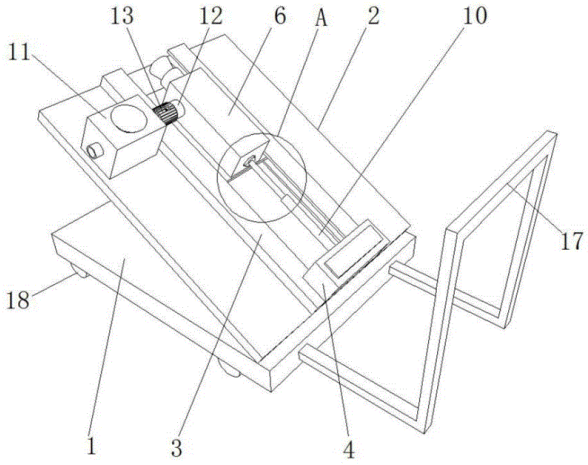


21: 2024/02135. 22: 2024/03/18. 43: 2024/09/18
51: G06Q
71: Research Institute of Highway Ministry of Transport, ZHEJIANG INSTITUTE OF COMMUNICATIONS CO., LTD.
72: XU, Chongbang, HU, Hongchuan, LI, Weiping, CUI, Danyi
54: TOUGHNESS EVALUATION SYSTEM FOR HIGHWAY TUNNEL
00: -
Disclosed in the present invention is a toughness evaluation system for a highway tunnel. The system includes a tunnel disaster prevention subsystem configured to acquire a type of a disaster to occur and give a command to take measures in advance so as to mitigate an impact of the disaster, a tunnel disaster bearing subsystem configured to resist tunnel disasters, a tunnel performance restoration subsystem configured to quickly restore a tunnel post-disaster state to a pre-disaster state, and a tunnel toughness evaluation subsystem configured to calculate relationships between the tunnel disaster prevention subsystem, the tunnel disaster bearing subsystem, the tunnel performance restoration subsystem and tunnel disaster damage respectively, and evaluate tunnel toughness. According to this method, the tunnel toughness evaluation indicator system is established, the three main body subsystems of the tunnel toughness, and functions thereof on the disaster are made clear.



21: 2024/02136. 22: 2024/03/18. 43: 2024/09/18

51: A01G
71: Institute of Grain Crops, Xinjiang Academy of Agricultural Sciences
72: Tang Huaijun, Wang Yejian, Xie Xiaoqing, Zhang Lei, Liu Cheng, Li Dong
54: NOVEL IRRIGATION DEVICE FOR IMPROVING DROUGHT RESISTANCE OF CORN CROPS
00: -
Disclosed in the present invention is a novel irrigation device for improving drought resistance of corn crops, which belongs to the technical field of agricultural irrigation apparatuses. The novel irrigation device for improving drought resistance of corn crops includes a base plate. An upper end of the base plate is rotationally connected to a rotating plate, an upper end of the rotating plate is fixedly connected to two strip-shaped blocks, and upper ends of the two strip-shaped blocks are fixedly connected to a driving block. Sliding grooves are cut in the ends, close to each other, of the two strip-shaped blocks, and a spraying block is slidably connected in the two sliding grooves. A push hole is cut in an inner end of the spraying block, and a plurality of uniformly distributed thread grooves are cut in a bottom end of the spraying block. An insertion hole is cut in a bottom end of the base plate, and a screw is inserted into the insertion hole. An electric push plate is slidably connected in the push hole, and the electric push plate is fixedly connected to the driving block. An upper end of the rotating plate is fixedly connected to a water tank, and the water tank is positioned on the left side of the strip-shaped block. The irrigation device can be adjusted, a spraying range of irrigation is increased, and the labor intensity of an operator is reduced.



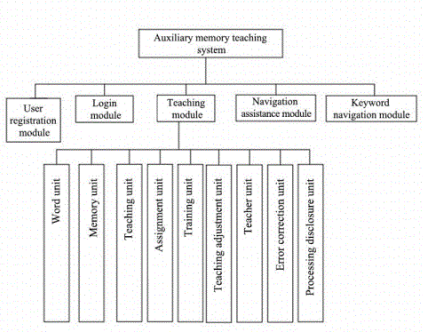
21: 2024/02146. 22: 2024/03/14. 43: 2024/09/18
51: A61K; C07K; C12N
71: JOINT-STOCK COMPANY "GENERIUM"
72: SHUKUROV, Rakhim Rakhmankulyyevich, KHAMITOV, Ravil Avgatovich, SHUSTER, Aleksandr Mikhailovich, RESHETNIK, Elizaveta Vyacheslavovna
33: RU 31: 2021124495 32: 2021-08-18
54: TARGETED DELIVERY OF THERAPEUTIC ENZYMES
00: -
The invention relates to the field of biotechnology, and more particularly to the delivery (transport) of therapeutic enzymes, which is applicable in medicine. The present invention relates to a compound containing a therapeutic enzyme and a transport element that are coupled to one another directly or by a linker, the transport element being a Fab fragment of immunoglobulin IgG specific to an insulin receptor epitope, and to the use of said compound to produce a pharmaceutical composition for treating diseases, as well as to the use of said compound for the treatment and prophylaxis of diseases, in particular lysosomal storage diseases, inter alia, for the treatment and prophylaxis of the enzyme deficiency characteristic of the respective lysosomal storage disease, such as mucopolysaccharidosis, in particular mucopolysaccharidosis types I and II.

21: 2024/02151. 22: 2024/03/18. 43: 2024/09/18
51: G09B
71: HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE
72: JIAO, Chunhong

54: MULTI-DIRECTIONAL AUXILIARY MEMORY TEACHING SYSTEM FOR ENGLISH TEACHING

00: -

A multi-directional auxiliary memory teaching system for English teaching is disclosed, which relates to the technical field of English teaching systems. The system includes: a system login module for users to log in to the system after selecting and inputting related account information; a user registration module for realizing the registration of system use account numbers of different types of users; a teaching module for realizing multi-directional teaching after teachers log in to the system; a navigation assistance module for realizing the navigation of course characteristic introductions, related plug-in requirements and courseware use characteristics; and a keyword navigation module for realizing the navigation of content, category and level for quick function selection. The system can assist in teaching in many aspects, thus making the teaching effect better.



21: 2024/02153. 22: 2024/03/18. 43: 2024/09/18
51: A61K
71: GENNOVA BIOPHARMACEUTICALS LTD
72: KAVIRAJ, Swarnendu, SINGH, Sanjay, RAUT, Sunil, KARDILE, Pavan, SINGH, Ajay
33: IN 31: 202121038492 32: 2021-08-25

54: LYOPHILISED FORMULATIONS OF MRNA ADSORBED ONTO LIPID NANO-EMULSION PARTICLES.

00: -

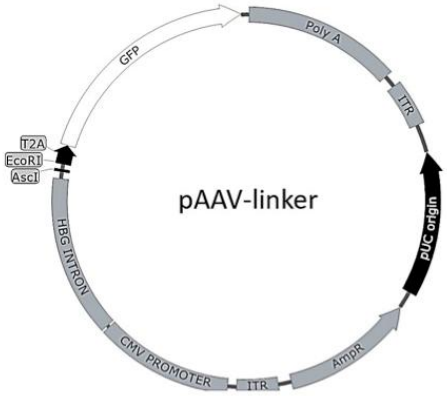
Lyophilised formulations of mRNA adsorbed onto lipid nano-emulsion particles. The present invention relates ot lyophilised formulations of mRNA adsorbed onto lipid nano-emulsion particles. It particularly provides a method for lyophilisation of liquid 5 formulations of mRNA adsorbed onto lipid nano-emulsion particles under the conditions that maintain the integrity and pharmaceutical properties of resultant lyophilised formulations for the extended periods at storage temperature of about 5 C°.

21: 2024/02156. 22: 2024/03/18. 43: 2024/09/18
51: C07K; C12N
71: JOINT STOCK COMPANY "BIOCAD"
72: STRELKOVA, Anna Nikolaevna, LEGOTSKII, Sergei Aleksandrovich, SHUGAEVA, Tatiana Evgenievna, GERSHOVICH, Pavel Mikhailovich, NADOLINSKII, Alexandr Anatolevich, IAKOVLEV, Pavel Andreevich, MOROZOV, Dmitry Valentinovich
33: RU 31: 2021124731 32: 2021-08-20

54: METHOD OF OBTAINING A MODIFIED ADENO-ASSOCIATED VIRUS CAPSID

00: -

The present application relates to the fields of gene therapy and molecular biology. More specifically, the present invention relates to a method for producing a modified adeno-associated virus (AAV) capsid and to a modified AAV capsid produced by said method, as well as to an isolated nucleic acid encoding said modified capsid and a vector based on recombinant adeno-associated virus for delivering a heterologous nucleic acid sequence to a subject, which includes said modified capsid.

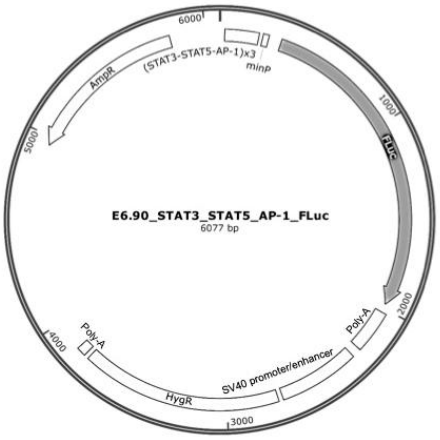


21: 2024/02160. 22: 2024/03/18. 43: 2024/09/18
51: C12N; C12Q; G01N
71: JOINT STOCK COMPANY "BIOCAD"
72: KONONOV, Aleksey Vladimirovich, ZHIRIAKOVA, Mariia Vladimirovna, GORDEEV, Aleksandr Andreevich, PUCHKOVA, Mariia Yurievna, SOLOVYEV, Valery Vladimirovich, MOROZOV, Dmitry Valentinovich
33: RU 31: 2021126254 32: 2021-09-07

54: INDUCIBLE PROMOTER, VECTOR AND HOST CELL BASED THEREON

00: -

The present invention relates to the fields of biotechnology and molecular biology, in particular to a universal inducible promoter, vector and host cell based thereon, as well as to a method for producing said host cell. The proposed inventions make it possible to analyze the activity of a target protein, for example, a receptor ligand, for example, a cytokine.



21: 2024/02163. 22: 2024/03/18. 43: 2024/09/19
51: A46B; B08B; B23H; C25F; H01R; H02M
71: ENSITECH IP PTY LTD
72: WHITE, Clive Stuart
33: AU 31: 2021902996 32: 2021-09-17
54: ELECTROCHEMICAL TREATMENT DEVICE
00: -
The present invention relates to a device comprising a device casing and a first and second flexible contact extending from the casing, each comprising a mounting means and a flexible applicator portion extending therefrom, wherein the first and second flexible contacts are each adapted to receive conductive fluid and subsequently to apply the conductive fluid to a surface, and one of the first and second flexible contacts is positively charged, and the other is negatively charged, relative to one another.

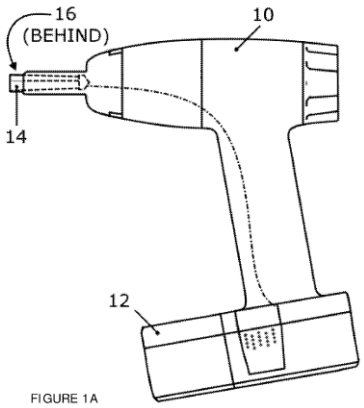
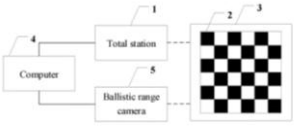


FIGURE 1A

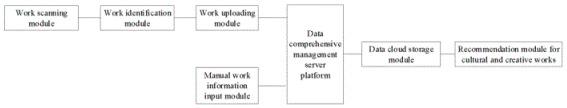
21: 2024/02166. 22: 2024/03/18. 43: 2024/09/19
51: B01D; C02F; G01B; G01N; G01S
71: SNF GROUP
72: DOWD, Andrew, SCHROETER, Russel
33: AU 31: 2021903023 32: 2021-09-20
54: MONITORING SLUDGE DEWATERING
00: -
The invention relates to a method for the removal of supernatant from media on a filter, where flocculant and/or coagulants are added to a media to enhance the drainage rate of supernatant, leaving the media at least partially dewatered, during which the surface topography of the media is measured and the amount of flocculant and/or coagulant to be added is a function of the topography of the media above the filter within a region of interest, or regions of interest.

21: 2024/02167. 22: 2024/03/18. 43: 2024/09/19
51: A61K; C07D; A61P
71: CIPLA LIMITED
72: DAS, Arijit, CHENNURU, Ramanaiah, INDUKURI, Anjaneyaraju, PULLAREDDY, Lakkireddy, TEJA, Pyla Kranthi
33: IN 31: 202121041687 32: 2021-09-15
54: SOLID STATE FORMS OF RELUGOLIX
00: -
The present invention relates to solid state forms of Gonadotropin-Releasing Hormone Receptor (GnRH) antagonist of Formula (I) and a pharmaceutically acceptable salt thereof, namely 1-(4-(l-(2,6-difluorobenzyl)-5-((dimethylamino)methyl)-3-(6-methoxy pyridazin-3-yl -2,4-dioxo-l,2,3,4-tetrahydrothieno(2,3-d)pyrimidin-6-yl)phenyl)-3-methoxyurea, and its pharmaceutically acceptable salts thereof, methods of their preparation, pharmaceutical compositions thereof and methods of their use.

21: 2024/02209. 22: 2024/03/19. 43: 2024/09/19
51: G01C
71: Nanjing University of Science and Technology
72: WANG, Wei
54: BALLISTIC RANGE SPACE REFERENCE CALIBRATION SYSTEM BASED ON THREE-POINT COORDINATE MEASUREMENT
00: -
Disclosed is a ballistic range space reference calibration system based on three-point coordinate measurement, including a total station, a calibration plate, a calibration support, a ballistic range camera, and a computer. The ballistic range camera is configured to measure pixel coordinates of the mark points to be measured. The total station is configured to measure ballistic range coordinates of the mark points to be measured. The computer is configured to: obtain calibration coordinates of the mark points to be measured; determine a conversion relationship between a pixel coordinate system and a calibration coordinate system, and solve and calculate camera parameters of the ballistic range camera; determine a conversion relationship between the calibration coordinate system and a ballistic range coordinate system; and determine a conversion relationship between the pixel coordinate system and the ballistic range coordinate system.



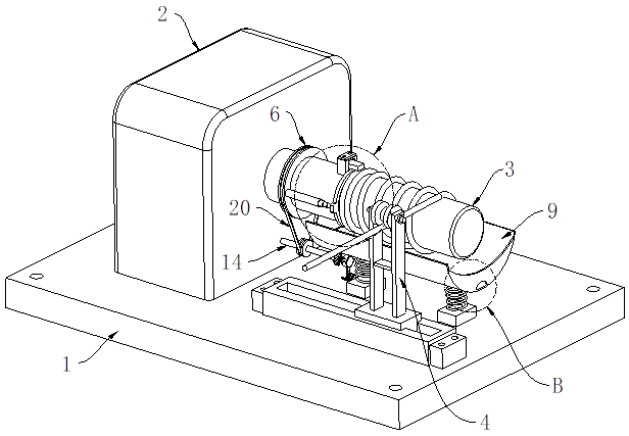
21: 2024/02210. 22: 2024/03/19. 43: 2024/09/19
51: G06N
71: Henan University of Urban Construction
72: JIA, Faxian, YU, Huixia, LAN, Na, LONG, Dan, ZHANG, Zhifan, LIU, Jiahuan
54: BIG-DATA-BASED RECOMMENDATION SYSTEM FOR CULTURAL AND CREATIVE WORKS
00: -
The present invention provides a big-data-based recommendation system for cultural and creative works, including a data comprehensive management server platform, a work uploading module, a manual work information input module, a work identification module, a work scanning module, a data cloud storage module, and a recommendation module for cultural and creative works. The recommendation module for cultural and creative works is configured to characterize the preference attributes of users based on big data; establish a common virtual recommendation account and a sub-recommendation account corresponding to each user if it is identified that the preference variance between the preference attributes of a plurality of users does not exceed the preference variance threshold; and generate a first recommendation information including at least two preference attribute feature identifiers and at least one cultural creative work when it is detected that at least one cultural and creative work satisfies at least two preference attributes.



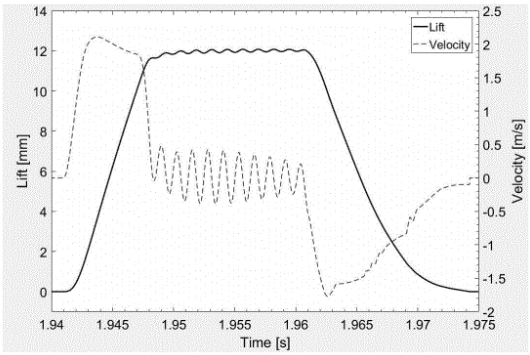
21: 2024/02211. 22: 2024/03/19. 43: 2024/09/19
51: A01G
71: Mount Taishan Forest Pest Control and Quarantine Station, Tai'an City, Shandong Agricultural University
72: JIA Chunyan, SHEN Weixing, LI Kun, XIANG Yingying, MA Shencheng, SUN Xiaoli, WANG Ying
54: COMPREHENSIVE PEST PREVENTION AND CONTROL METHOD FOR CHESTNUT
00: -
The invention belongs to the technical field of agricultural pest control, and relates to a comprehensive pest prevention and control method for chestnut. According to the invention, four measures, namely field optimization management, biological prevention and control, physical prevention and control and chemical prevention and control, are taken simultaneously, so that efficient and environment-friendly chestnut pest control is realized. Compared with the traditional chemical pesticide control, the method of the invention not only improves the control effect, but also avoids environmental pollution and pest drug resistance, and has broad application prospect and popularization value.

21: 2024/02212. 22: 2024/03/19. 43: 2024/09/19
51: B08B
71: Jinling Institute of Technology
72: WANG, Haiqiao

33: CN 31: 2023118434112 32: 2023-12-29
54: VEHICLE ACCESSORY PROCESSING DEVICE
00: -
The present invention belongs to the technical field of spring processing, in particular to a vehicle accessory processing device, comprising a base; wherein a surface of the base is fixedly connected with a power box; a side surface of the power box is rotatably connected with a molding column; a surface of the base at one side of the molding column is provided with a translation mechanism for pulling steel bars; a surface of the molding column is provided with a fixing mechanism for fixing the steel bars; a surface of the molding column is fixedly connected with a mounting plate; the surface of the molding column is slidably connected with a top ring; a group of electric telescopic rods are arranged between the mounting plate and the top ring; the top ring is pushed by the electric telescopic rods to slide on the surface of the molding column, and a shock-absorbing spring is ejected from the molding column by the top ring, which reduces the labor intensity of workers, and improve the production efficiency of the shock-absorbing spring. Moreover, iron slag is easily generated on the surface of the steel bar in the winding process, and the top ring can scrape the molding column when sliding, so that the residual iron slag on the surface of the molding column is scraped off, which improves the subsequent use effect of the molding column.

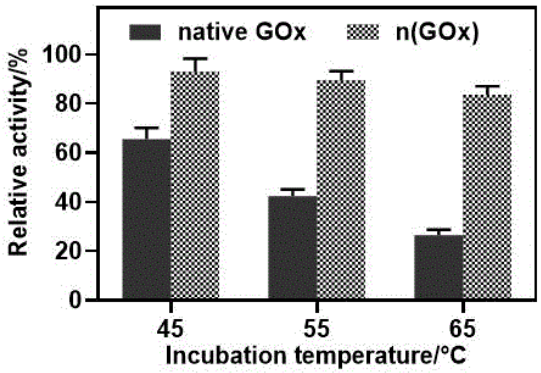


21: 2024/02213. 22: 2024/03/19. 43: 2024/09/19
51: F01L
71: Harbin Engineering University
72: LU, Yong, ZHOU, Gongjie
33: CN 31: 2023111910531 32: 2023-09-15
54: ELECTRO-HYDRAULIC VARIABLE VALVE TIMING ACTUATOR CAPABLE OF ACHIEVING SEATING BUFFERING AND ACTUATION METHOD THEREFOR
00: -
Provided are an electro-hydraulic variable valve actuator capable of achieving seating buffering and an actuation method therefor. The electro-hydraulic variable valve actuator includes an upper driving chamber, a middle driving chamber, a lower driving chamber, an upper buffering chamber, a middle buffering chamber, and a lower buffering chamber. The upper driving chamber is composed of a cylinder body, an upper end face of a valve sleeve, and an air valve piston. The middle driving chamber is composed of an inner surface of the valve sleeve, and an upper end of the air valve piston. The lower driving chamber is composed of a lower end of the air valve piston, the inner surface of the valve sleeve, and an upper end face of a cylinder head. The upper buffering chamber is composed of the cylinder body, and an upper end face of a buffering piston.



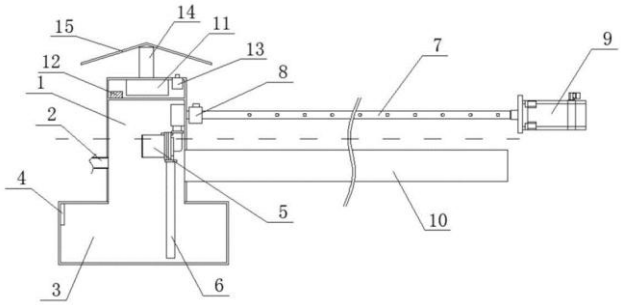
21: 2024/02215. 22: 2024/03/19. 43: 2024/09/19
51: G01N
71: Hunan University of Technology
72: Jie Huang, Chao Ge, Renjie Li, Min Liu, Jinghua Tan, Yiwu Liu, Xueyuan Liu, Yue Chen
54: AN ELECTROCHEMICAL BIOSENSOR BASED ON CONDUCTIVE POLYMER COATED GLUCOSE OXIDASE NANOCAPSULES AND A PREPARATION AND APPLICATION THEREOF
00: -
The invention discloses an electrochemical biosensor based on conductive polymer coated glucose oxidase nanocapsules and a preparation and application thereof. Enzyme based biosensors have broad application prospects in fields such as

biomedicine, life and health, food safety, environmental safety, and food fermentation. Currently, the main limiting factor for their commercialization is the need to further improve the stability of enzyme sensors. The invention provides a preparation method and application of a highly stable enzyme sensor, which is a method for preparing an enzyme sensor based on enzyme molecule nanocapsules. The advantages of this enzyme sensor lie in its significant improvement in thermal stability, organic solvent tolerance, storage, and service life. The enzyme nanocapsule sensor obtained by the invention has enormous market application potential in various fields such as wearable devices for the human body, biomedicine, analysis and detection, and food fermentation.



21: 2024/02216. 22: 2024/03/19. 43: 2024/09/19
51: C12Q
71: Xinjiang Academy of Agricultural Sciences Horticulture Crop Research Institute
72: Haixia Zhong, Fuchun Zhang, Xiaoming Zhou, Xinyu Wu, Wen Zhang, Jiuyun Wu, Min Wang, Shouan Han, Chuan Zhang, Songlin Zhang
33: CN 31: 2023115698424 32: 2023-11-23
54: A METHOD AND APPLICATION FOR THE DEVELOPMENT OF SNP MOLECULAR MARKERS RELATED TO GRAPE FRUIT CRACKING TRAITS
00: -
The disclosure belongs to the technical fields of biotechnology engineering and grape breeding. It specifically discloses a method and application for the development of SNP molecular markers related to grape fruit cracking traits. The SNP site is verified through correlation analysis and experiments on the basis of whole genome sequencing. Composed of 2 SNP marker sites, SNP molecular marker combinations can be used for molecular marker-assisted breeding of grape fruit cracking traits. In the prior stage, individuals can be directly selected at the genome level without relying on phenotypic information, which can significantly improve the selection efficiency of grape fruit crack resistance traits, speed up the breeding process, save the cost of cultivation and management of intermediate hybrid seedlings, improve the breeding efficiency, reduce the breeding cost, and has broad application prospects.

21: 2024/02218. 22: 2024/03/19. 43: 2024/09/19
51: A01G
71: Xinjiang Academy of Agricultural Sciences Grain Crops Research Institute
72: Huaijun Tang, Xiaoqing Xie, Lei Zhang, Cheng Liu, Dong Li, Yejian Wang
54: DRAUGHT-PROOF WATERING EQUIPMENT FOR CORN
00: -
The invention discloses a drought-proof watering equipment for corn, the structure of which includes a cylinder, an inlet pipe, a water tank, a liquid level sensor, a water pump, a water suction pipe, a water delivery pipe device, an electric control valve, an electric motor, a recycling box, a battery, a control device, a wireless communication device, a support column, solar panels, a water delivery port and a rotating shaft mounting hole; said cylinder is connected with the inside of the water tank and the a liquid level sensor is arranged on the left side of the inside of the water tank; the top of said water pump is connected to one end of the water delivery pipe device inserted in the upper end of the right side of the cylinder, and the recycling box is welded to the bottom end of the right side of the cylinder. A drought-proof watering equipment for corn provided by the invention controls the watering and watering time through a wireless communication device on a regular basis, without needing for staff members to go back and forth for watering, which reduces the labor intensity of staff members; it's also able to water a single corn seedling individually, and the bottom is able to recycle the infiltrated water at the same time, saving water and reducing the waste of water resources.

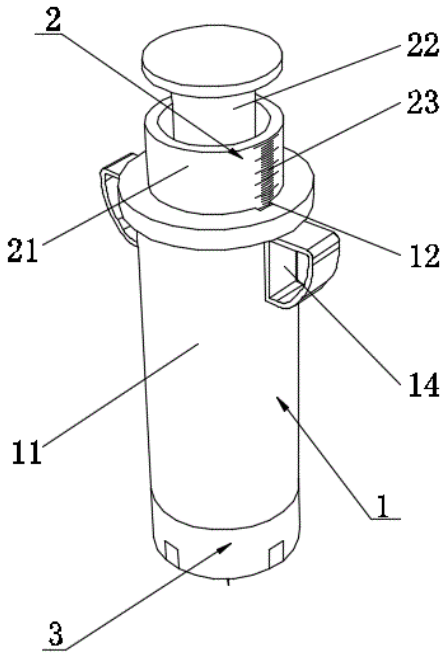


21: 2024/02219. 22: 2024/03/19. 43: 2024/09/19
51: A61B
71: Changzhou Maternal and Child Health Care Hospital
72: Wang Li, Sun Liying, Guo Ziyi, Yang Di

54: MINIMALLY INVASIVE SAMPLING DEVICE CAPABLE OF LOCATING GYNECOLOGICAL TUMOR

00: -

The present invention provides a minimally invasive sampling device capable of locating a gynecological tumor, including a locating assembly. An interior of the locating assembly is rotatably clamped with a sampling assembly for sampling and locating; the locating assembly includes a locating cylinder, a sliding groove disposed at an interior of the locating cylinder and annular clamping grooves uniformly disposed on an inner side of the locating cylinder in a longitudinal direction; and the sampling assembly includes a sampling cylinder and a sampling rod sliding in the sampling cylinder. In the present invention, when medical staff takes samples of a patient's tumor, a distance of the patient's tumor is determined through external ultrasonic guidance, then the sampling cylinder is slid to the interior of the locating cylinder through the sliding groove and clamping blocks, and a distance of the sampling cylinder in the locating cylinder is determined through a scale of a periphery of the sampling cylinder. After sliding to a required sampling distance, the sampling cylinder is rotated to rotate the clamping blocks to an interior of the annular clamping groove to complete the fixation; and at the same time, the friction between the sampling cylinder and the locating cylinder can be increased through friction pads at two ends of the clamping blocks to increase the stability of fixation.



21: 2024/02220. 22: 2024/03/19. 43: 2024/09/19
51: G06F
71: Huainan Normal University
72: Yamin Du, Yanfen Li, Chuanliang Wu, Chun Fang, Aijun Li

54: A PATENT EVALUATION SYSTEM BASED ON BIG DATA ANALYSIS

00: -

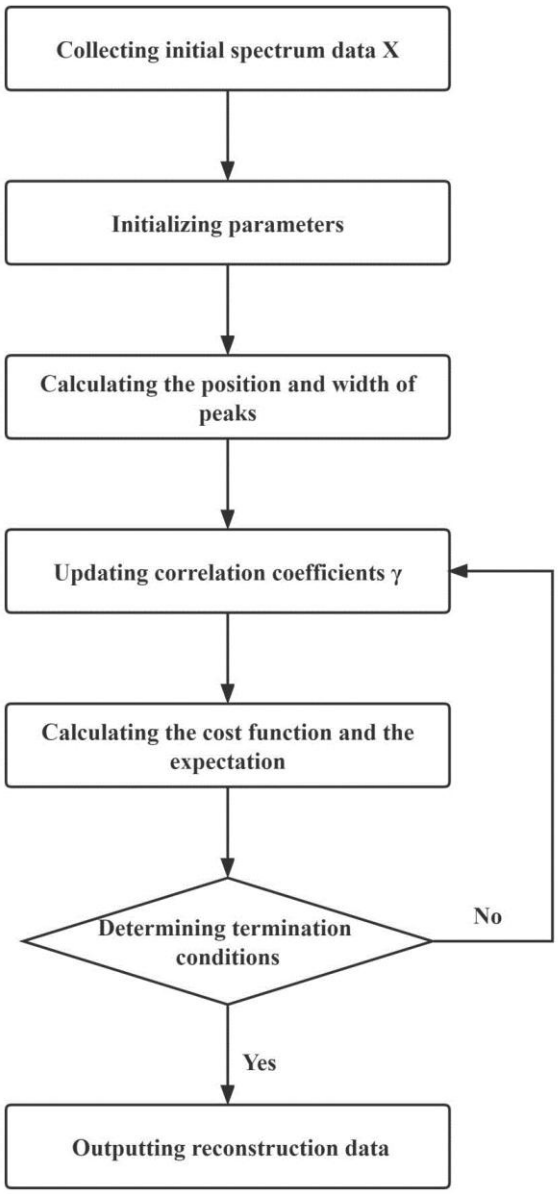
The invention relates to the technical field of evaluation system, in particular to a patent evaluation system based on big data analysis, which consists of an acquisition template, a data preprocessing module, an evaluation model creation module, an evaluation result display module, a model optimization module and a data protection module. The beneficial effects are as follows: the patent evaluation system based on big data analysis proposed by the invention collects feedback and suggestions from users through the system, which will be used to continuously improve and optimize the evaluation process and results of the system. Through continuous iterative updating, the system can better meet the needs and expectations of users, and provide more accurate and reliable patent evaluation services; It further solves the problem that the existing patent evaluation system cannot provide patent value matching analysis service for different customers, and can provide valuable analysis service for patents.

21: 2024/02226. 22: 2024/03/19. 43: 2024/09/19
51: G01N
71: Anhui University
72: PAN Tianhong, WU Chao, CHEN Qi, CHEN Shan, FAN Yuan
33: CN 31: 2021115261095 32: 2021-12-14

54: METHOD AND SYSTEM FOR AUTOMATICALLY DETECTING AND RECONSTRUCTING SPECTRUM PEAKS IN NEAR INFRARED SPECTRUM ANALYSIS OF TEA

00: -

Disclosed are a method and a system for automatically detecting and reconstructing spectrum peaks in near infrared spectrum analysis of tea, including the following steps: firstly collecting initial spectrum data, then initializing parameters, then calculating the position and width of absorption peaks, then updating correlation coefficients and screening sparse blocks, then calculating the cost function and the expectation, then determining termination conditions, and finally outputting reconstruction data. The block sparse Bayesian learning method which can automatically detect the peak position and determine the peak width can accurately judge the number and position of the near-infrared spectrum, so as to accurately reconstruct and select the peak characteristics, and avoid the problems of erroneous reconstruction and loss in the reconstruction process of the algorithm. Moreover, the strategy based on sparse reconstruction and automatic peak detection can realize the selection of the absorption peak characteristics of the near-infrared spectrum data with multiple overlapping peaks, and then realize the automatic detection and reconstruction of the absorption peaks of the near-infrared spectrum data of high-precision green tea, which is conducive to expanding the accuracy of tea detection grade and market trade.



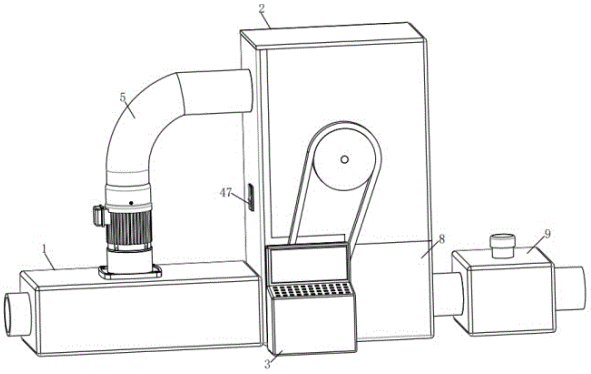
21: 2024/02227. 22: 2024/03/19. 43: 2024/09/19
51: C02F
71: CHUZHOU INSTITUTE OF VOCATIONAL TECHNOLOGY
72: DONG Bo, ZHU Yongxiang, ZHANG Guofu, ZHANG Rui, XU Zouying, DONG Zhirui
33: CN 31: 202210968806.4 32: 2022-08-12

54: CONSTRUCTION SEWAGE TREATMENT DEVICE

00: -

The invention relates to the technical field of sewage treatment, in particular to a construction sewage treatment device. A cross-shaped filter plate and a flow meter are installed on the shell, and the control

unit controls the cross-shaped filter plate to rotate through the numerical value of the flow meter, so that solid waste falls into the collection box by its own gravity, and some solid waste attached to the surface of the cross-shaped filter plate will be washed by water flow and fall on the No.1 baffle in the next round of filtration. This can not only prevent solid waste from blocking the cross-shaped filter plate, but also prolong the service life of the cross-shaped filter plate. A disinfection unit is installed behind the adsorption unit, and chlorine dioxide gas is introduced into it to make chlorine dioxide react with water to generate chloric acid, which has strong oxidizing property and can oxidize toxic substances and pathogenic bacteria in water to achieve a disinfection effect on sewage.



21: 2024/02228. 22: 2024/03/19. 43: 2024/09/19
51: B22C; B22D
71: SHANTOU HUAXING(RAOPING)COPPER INDUSTRIAL CO., LTD., SHANTOU HUAXING METALLURGICAL EQUIPMENT CO., LTD., GUANGDONG HUAXING HEAT EXCHANGE EQUIPMENT CO., LTD., RAOPING YUEXING COPPER PROCESSING CO., LTD.
72: WU, Yuan, LI, Xibo, SHE, Jingpeng, LI, Lihong, CHEN, Ziling
33: CN 31: 202122319061.2 32: 2021-09-24
54: COPPER-STEEL COMBINED MOLD
00: -
A copper-steel combined mold, comprising a mold body (1), wherein the upper surface of the mold body (1) is provided with casting molding grooves (2), the mold body (1) comprises a copper plate (11) and a steel plate (12), the steel plate (12) is combined with the lower surface of the copper plate (11), and the casting molding grooves (2) are located in the upper surface of the copper plate (11).

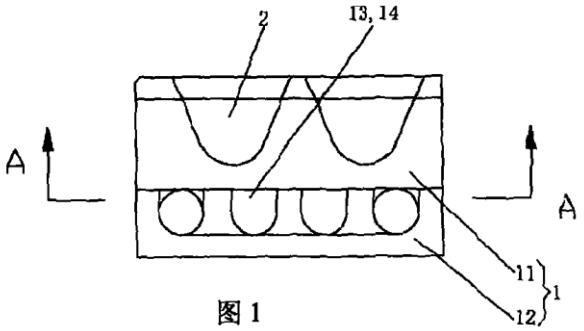
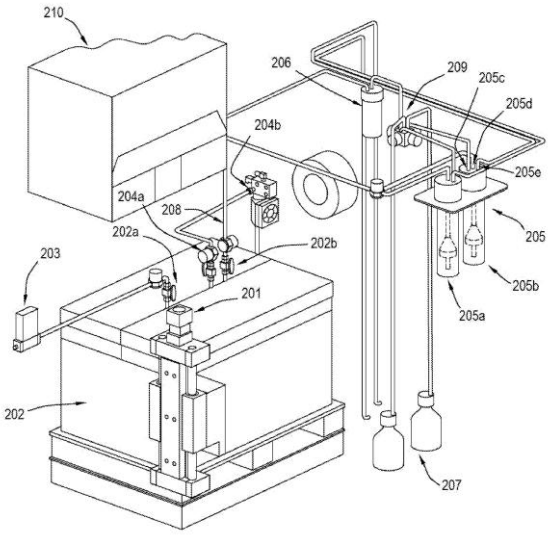


图 1

21: 2024/02230. 22: 2024/03/19. 43: 2024/09/19
51: B01D
71: ABBASI, Ali A.
72: ABBASI, Ali A.
33: US 31: 63/241,610 32: 2021-09-08
33: US 31: 17/506,379 32: 2021-10-20
54: METHOD AND APPARATUS FOR PRODUCTION OF LEAD-212 ISOTOPE
00: -
An apparatus for producing Pb-212. The apparatus comprises an emanation box that comprises an emanation source comprising a porous non-reactive material. The emanation box receives at least one of Th-228 andRa-224, wherein the at least one of Th-228 and Ra-224 decays to Rn-220 within the emanation box. The apparatus further includes a carrier gas feed coupled to the emanation box. The carrier gas feed directs an inert gas into the emanation box and the inert gas carries the Rn-220 out of the emanation box through a carrier gas exit port of the emanation box. The apparatus also includes one or more Rn-220 targets coupled to the carrier gas exit port. The carrier gas carries the Rn-220 from the emanation box to the one or more Rn-220 targets and the Rn-220 decays into Pb-212 within the one or more Rn-220 targets. The Pb-212 is directed into the Pb-212 collection container.

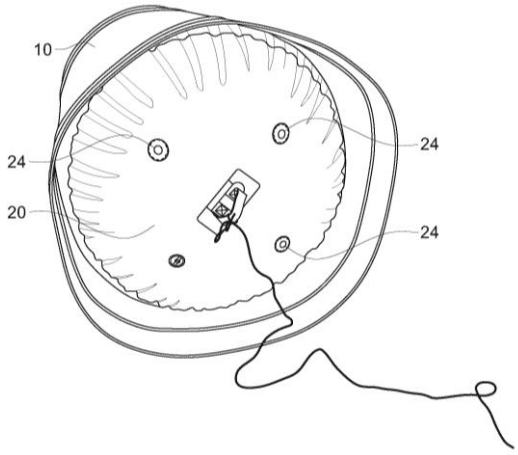


21: 2024/02237. 22: 2024/03/19. 43: 2024/09/26
51: E21F; F16L; F24F
71: PLASTIQUES G PLUS INC.
72: GAGNON, Dan
33: CA 31: 3,148,677 32: 2022-02-14

54: SYSTEM AND METHOD FOR SHAPING A DUCT SECTION

00: -

System and method for shaping a duct section. The duct section is configured to be expandable from a flattened configuration to an expanded configuration. The system includes an inflatable enclosure insertable within the duct section while being in the flattened configuration. The inflatable enclosure defines an opening for inflating the inflatable enclosure. The system also includes a blower for inflating the inflatable enclosure through the opening from a deflated configuration to an inflated configuration. In use, when the inflatable enclosure is inserted within the duct section, the blower inflates the inflatable enclosure through the opening from the deflated configuration to the inflated configuration, whereby the duct section expands from the flattened configuration to the expanded configuration as the inflatable enclosure pushes against the duct section from within.



21: 2024/02251. 22: 2024/03/20. 43: 2024/09/26
51: C05F
71: SHANDONG AGRICULTURAL TECHNOLOGY EXTENSION CENTER
72: DONG, Yanhong, MA, Ronghui, ZHANG, Hui, WANG, Jian, ZHAO, Qingxin, ZHANG, Shanshan, XING, Xiaofei, AN, Linlin, ZHENG, Xuebo

54: GREEN AND ACCURATE APPLICATION METHOD OF BREEDING ORGANIC WASTES IN VEGETABLE GROWING AREAS OF NORTH CHINA

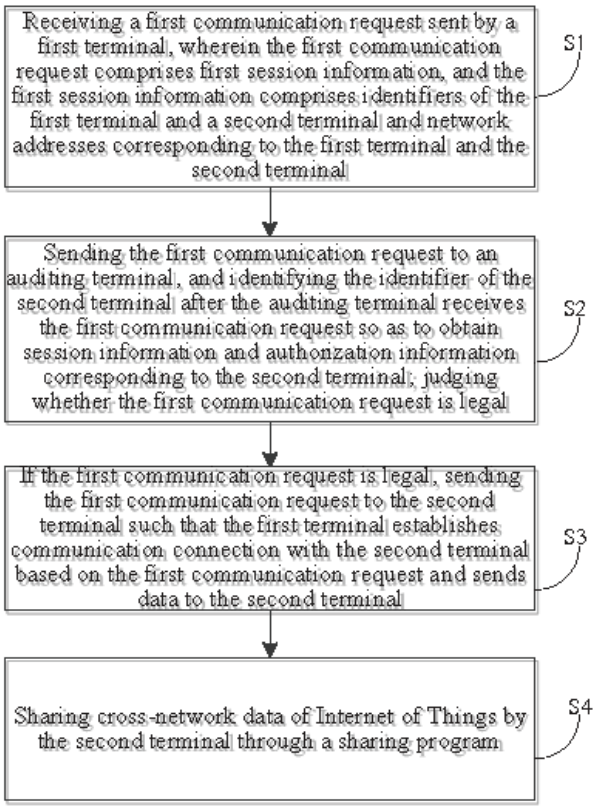
00: -

The present invention discloses a green and accurate application method of breeding organic wastes in vegetable growing areas of North China, comprising the following steps: A. simply composting breeding wastes mainly comprising livestock manure; B. composting and fertilizing to improve soil; and C. applying the compost for replacing fertilizer. The green and accurate application method adopted by the present invention has the characteristics of environmental friendliness, fertilizer reduction and synergy, yield increase and quality improvement, strong adaptability and easy popularization, can significantly improve the physical and chemical properties of soil in vegetable fields, promotes the continuous increase of organic matter content in soil, reduces greenhouse gas emissions by more than 10%, saves nitrogen fertilizer by about 20%, saves phosphate fertilizer by about 40%, increases the yield by about 10%, saves cost by 1000-3000 yuan with synergy, and has obvious fertilizer saving and synergy effects.

21: 2024/02252. 22: 2024/03/20. 43: 2024/09/26

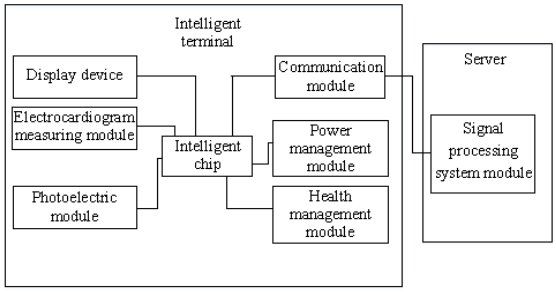
51: A01C; A01G
71: SHANDONG AGRICULTURAL TECHNOLOGY EXTENSION CENTER
72: WANG, Jian, MA, Ronghui, DONG, Yanhong, ZHANG, Shanshan, ZHAO, Qingxin, ZHANG, Xuefei, ZHANG, Daosheng, AN, Linlin
54: GREEN SYNERGISTIC FERTILIZATION METHOD FOR SUMMER CORN IN HUANG-HUAI-HAI REGION
00: -
Disclosed is a green synergistic fertilization method for summer corn in Huang-Huai-Hai region, comprising the following steps: soil carburization; accurate synergistic fertilization; seed and fertilizer co-sowing and adopts the green synergistic fertilization technology for summer corn with soil carburization, accurate synergistic fertilization and seed and fertilizer co-sowing as the core, and has the effects of reducing operation frequency, improving fertilization accuracy, reducing the use amount of the fertilizer, improving the fertilizer utilization rate, fertilizing the soil, reducing emissions and reducing consumption, so as to promote the green and sustainable development of the summer corn industry. The present invention can increase the yield of corn by >5%, reduce the use amount of chemical nitrogen fertilizer by >20%, increase the utilization rate of the nitrogen fertilizer by 7% to 10%, improve physical and chemical properties of the soil, reduce greenhouse gas emissions by >30%, reduce nitrogen nutrient loss by >25%.

21: 2024/02253. 22: 2024/03/20. 43: 2024/09/26
51: H04L; H04W
71: WEIFANG UNIVERSITY
72: GAO, Jin, YAN, Huihui
54: CROSS-NETWORK INFORMATION INTERACTION METHOD AND SYSTEM BASED ON INTERNET OF THINGS
00: -
The present invention discloses a cross-network information interaction method and system based on Internet of Things, and relates to the technical field of network communication. The method comprises the following specific steps: receiving a first communication request sent by a first terminal; sending the first communication request to an auditing terminal, and identifying an identifier of a second terminal after the auditing terminal receives the first communication request; judging whether the first communication request is legal; if the first communication request is legal, sending the first communication request to the second terminal; and sharing cross-network data of Internet of Things by the second terminal through a sharing program. According to the present invention, the P2P communication connection between the first terminal and the second terminal enables communication data not to be transferred through a proxy server, and makes the communication process independent of the processing performance, bandwidth and other resource limitations of the proxy server, so that the single-point failure probability is reduced, and the efficiency and the stability of data transmission are improved.



21: 2024/02254. 22: 2024/03/20. 43: 2024/09/26
51: G05D; G06K
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD
72: LIU, Enping, CAI, Pan, FENG, Xia, LIU, Sujun, LIN, Yongming
54: SYSTEM FOR AUTONOMOUS HEALTH MANAGEMENT BASED ON WIRELESS TRANSMISSION OF INTELLIGENT CHIP

00: -
The present invention discloses a system for autonomous health management based on wireless transmission of an intelligent chip, which is applied in the technical field of health management. The present invention comprises an intelligent terminal and a server, wherein the intelligent terminal comprises an intelligent chip, a display device, an electrocardiogram measuring module, a photoelectric module, a communication module, a power management module and a health management module; the display device is in communication connection with the intelligent chip, the electrocardiogram measuring module is in serial port connection with the intelligent chip, the photoelectric module is connected with the intelligent chip through an analog-to-digital conversion interface, and the communication module, the power management module and the health management module are in serial port connection with the intelligent chip through an SPI. The present invention achieves noninvasive acquisition of physiological parameter information such as electrocardiogram, heart rate, blood oxygen and blood pressure, has high measurement precision, is used to monitor a user without interfering normal life of the user, and improves the life quality and the attention to health of the user.

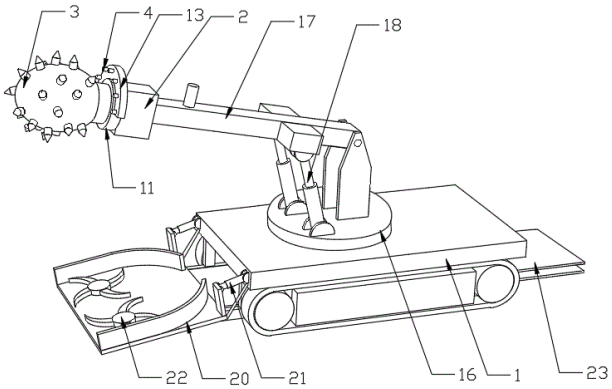


21: 2024/02255. 22: 2024/03/20. 43: 2024/09/26
51: A61K
71: SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES
72: LIANG, Beibei, LI, Wei, DAI, Xianhua, LI, Bohua, HUANG, Gang, WANG, Chao, FU, Hao, ZHANG, Zhiyu
33: CN 31: 202410095231.9 32: 2024-01-23
54: ANTIBODY-DRUG CONJUGATE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -
The present invention belongs to the field of drug research and development, and particularly relates to an antibody-drug conjugate (ADC) and a preparation method and application thereof. The present invention is based on antibody coupling technology, and utilizes targeting of an H2-18 antibody and cytotoxicity of anti-tumor drug docetaxel, the system retains not only the targeting of a single H2-18 antibody and a strong killing effect of a single drug on tumors, but also enables a large number of drugs to be effectively enriched to tumor sites, such that dosage of the drugs is reduced, then killing of the drugs on normal tissues is reduced, and toxic and side effects of the drugs are reduced. Experimental results show that compared with the single antibody and chemotherapy drugs, antibody-coupled chemotherapy drugs have significantly enhanced targeting, reduce toxicity of the chemotherapy drugs to a body, and increase intratumor enrichment.

21: 2024/02257. 22: 2024/03/20. 43: 2024/09/26
51: E02F
71: Ordos Haohua Hongqingliang Mining Co., Ltd, Anhui University of Science and Technology
72: ZHANG Chuang, HUA Kafei, YAO Xinyu, WANG Jinhai, SUN Peng, LU Shutao
54: EFFICIENT ROADWAY TUNNELING MACHINERY DEVICE AND METHOD
00: -
The invention discloses an efficient roadway tunneling machinery device and method, which comprises a walking base, where a swinging component is arranged at the top of the walking base, an mounting box is connected with the swinging component in a transmission way, a cutting head is connected with the mounting box in a rotation way, and a first driving component in the mounting box is connected with the cutting head in a transmission way; the walking base is provided with a material transfer mechanism; the mounting box is provided with a plurality of spray heads, the water outlet ends of the spray heads are close to the cutting head, the end of the cutting head close to the mounting box is provided with a first channel and a plurality of second channels which are arranged along the central axis of the cutting head in the circumferential direction, the first channel is

communicated with a water supply component, the second channel is communicated with the end of the first channel far from the water supply component, and the second channels are communicated with a plurality of spray heads through connecting components. The invention can reduce the dust flying in the roadway and reduce the influence of temperature on the performance of the cutting head.

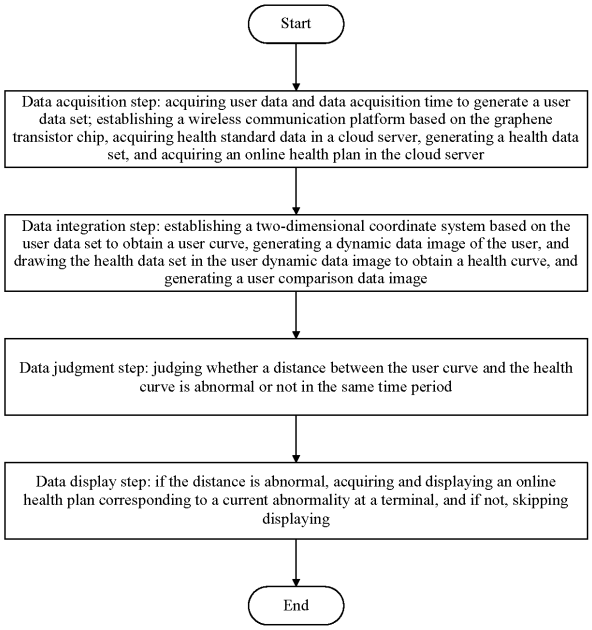


21: 2024/02261. 22: 2024/03/20. 43: 2024/09/26
51: H04L
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

54: METHOD FOR MANAGING HEALTH DATA BY GRAPHENE TRANSISTOR CHIP

00: -

The present invention discloses a method for managing health data by a graphene transistor chip, and relates to the technical field of medical health. The method comprises: acquiring and generating a user data set; establishing a wireless communication platform based on the graphene transistor chip, obtaining and generating a health data set and an online health plan, establishing a two-dimensional coordinate system based on the user data set, obtaining a user curve and a health curve, generating a user comparison data image, judging whether a distance between the user curve and the health curve is abnormal or not in the same time period, if so, obtaining and displaying an online health plan corresponding to a current abnormality on a terminal, and if not, skipping displaying. The present invention is beneficial to timely adjusting an online health management plan and has universality.

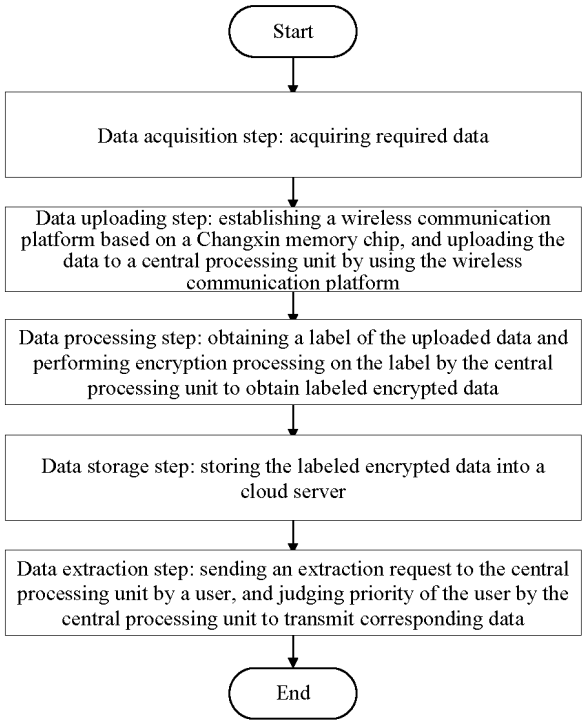


21: 2024/02262. 22: 2024/03/20. 43: 2024/09/26
51: H04L; H04N
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

54: METHOD FOR MANAGING HEALTH DATA THROUGH CHANGXIN MEMORY

00: -

The present invention discloses a method for managing health data through Changxin memory, and relates to the technical field of data management. The method comprises: acquiring required data; establishing a wireless communication platform based on a Changxin memory chip, and uploading the data to a central processing unit by using the wireless communication platform; obtaining a label of the uploaded data and performing encryption processing on the label by the central processing unit to obtain labeled encrypted data; storing the labeled encrypted data into a cloud server; and sending an extraction request to the central processing unit by a user, and judging priority of the user by the central processing unit to transmit corresponding data. The present invention is beneficial to lowering the technical threshold of operating personnel, reasonably improves the double-layer encryption system and has universality.

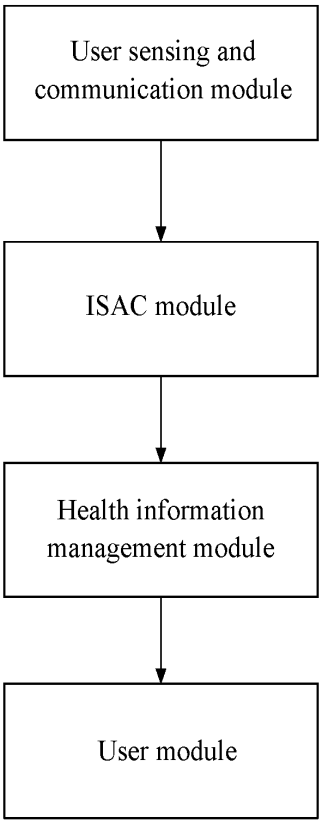


21: 2024/02263. 22: 2024/03/20. 43: 2024/09/26
51: G06K; G06N; G16H
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD
72: LIU, Enping, LIU, Sujun, LIN, Yongming, WANG, Shengxiang, YANG, Dingguang

54: HEALTH MANAGEMENT SYSTEM AND METHOD BASED ON INTEGRATED SENSING AND COMMUNICATION (ISAC), TERMINAL EQUIPMENT AND STORAGE MEDIUM

00: -

The present invention discloses a health management system and method based on integrated sensing and communication (ISAC), terminal equipment and a storage medium, and relates to the technical field of health management. The system includes a user sensing and communication module, an ISAC module, a health information management module and a user module. The ISAC-based health management system provided by the present invention, by means of the ISAC module, is capable to achieve precise sensing of human actions and behaviors, so as to improve the efficiency of medical and health management; by use of an IoT (internet of things) device, the present invention facilitates management of users' health and activity information, locations, surrounding environments and other associated information; and the present invention, through the health information management module, makes it possible to provide real-time monitoring and management services, thus helping to improve diagnosis and treatment capabilities and work efficiency.



21: 2024/02265. 22: 2024/03/20. 43: 2024/09/26
51: A23J
71: HAINAN INSTITUTE OF GRAIN AND OIL SCIENCE
72: ZHENG, Lianhe, ZHANG, Hongjian, ZOU, Yi

54: FRUITY COMPOUND SEASONING AND PREPARATION METHOD THEREFOR

00: -

The present invention provides a fruity compound seasoning, belonging to the field of seasoning production. The fruity compound seasoning provided by the present invention comprises the following in percentage by weight: 25-30% of concentrated lime juice, 10-16% of garlic, 1-10% of soy sauce, 1-12% of fresh pear juice, 5-10% of fresh orange juice, 1-9% of oyster sauce, 1-15% of salt, 1-10% of monosodium glutamate, 1-21% of sugar, 1-5% of white pepper powder, 0.01-5% of carrageenan, 0.01-

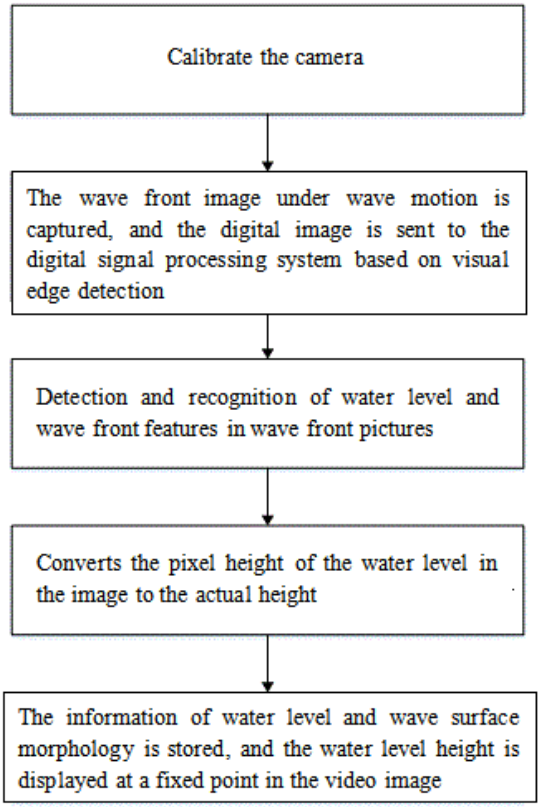
4% of sodium carboxymethyl cellulose and 20-50% of water. Compared with the similar seasonings, this seasoning prepared by the present invention contains more nutrients, has a richer taste, and has various taste experiences such as the salty taste of soy sauce, the spicy taste of chili pepper, and the fresh fragrance of ginger and garlic. Therefore, this seasoning is a novel multifunctional juice compound seasoning that is used to remove fishy smell and greasiness, stimulate appetite and refresh taste and that is suitable for dipping, cold dressing, hot stir-frying and barbecuing.

21: 2024/02277. 22: 2024/03/20. 43: 2024/09/26
51: G06T
71: TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING, MINISTRY OF TRANSPORT
72: CHEN Songgui, CHEN Hanbao, ZHANG Huaqing, WANG Yingqi, REN Zhiwei, PENG Cheng, WANG Yina, ZHAO Xu, HU Chuanqi
33: CN 31: 2021110629518 32: 2021-09-10

54: REAL-TIME MEASUREMENT METHOD OF LABORATORY SPACE WAVE BASED ON VISUAL EDGE DETECTION

00: -

The invention provides a real-time measurement method of laboratory space wave based on visual edge detection, which comprises the following steps: S1: calibrating the camera; S2: the camera captures the wave front image under the wave movement, and sends the wave front image to the digital signal processing system; S3: the digital signal processing system can detect the visual edge of the received wave front image; S4: the digital signal processing system detects the water level and wave front features in the wave front image; S5: digital signal processing system coordinates conversion of detected water level characteristics; S6: the water coordinate conversion results are stored and displayed in real time on the wave front recognition display interface. The real-time measurement method of laboratory space wave based on visual edge detection solves the problem that the existing measurement technology cannot realize the real-time detection of the space wave front and the real-time measurement of the water level of the wave movement.

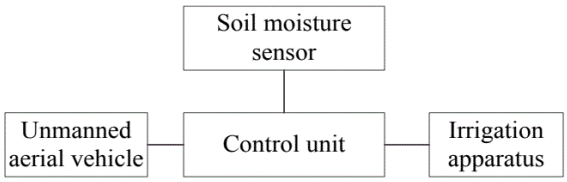


21: 2024/02305. 22: 2024/03/22. 43: 2024/09/26
51: G01N
71: China Agricultural University
72: MA, Yuntao, LI, Si'en, GUO, Yan, SHU, Meiyan

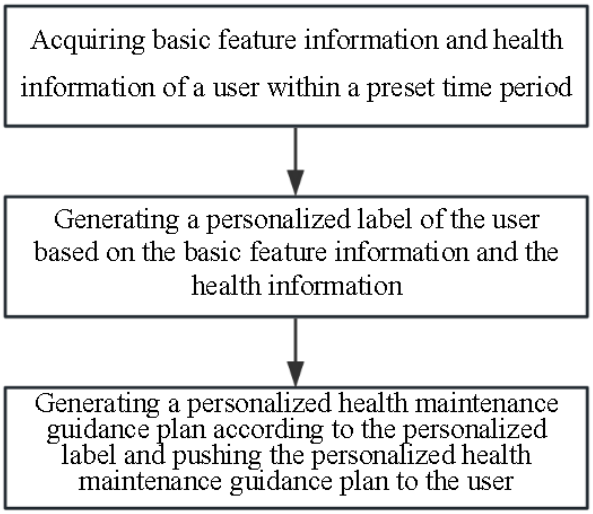
54: PRECISE IRRIGATION DEVICE FOR CROPS

00: -

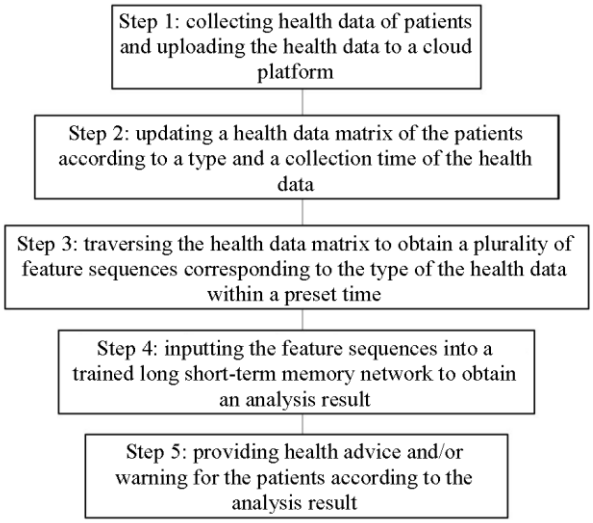
The present invention relates to the field of agricultural informatization, and in particular to a precise irrigation device for crops. The device includes an unmanned aerial vehicle, a soil moisture sensor, a control unit and an irrigation apparatus. The unmanned aerial vehicle is configured to acquire hyperspectral data of a target area, and the soil moisture sensor is configured to acquire an actual value of a soil moisture content of the target area. The control unit is configured to: input the hyperspectral data of the target area into a moisture parameter inversion model disposed in the control unit to obtain predicted values of crop canopy moisture parameters of the target area. The irrigation apparatus is configured to irrigate the target area on the basis of the target irrigation amount.



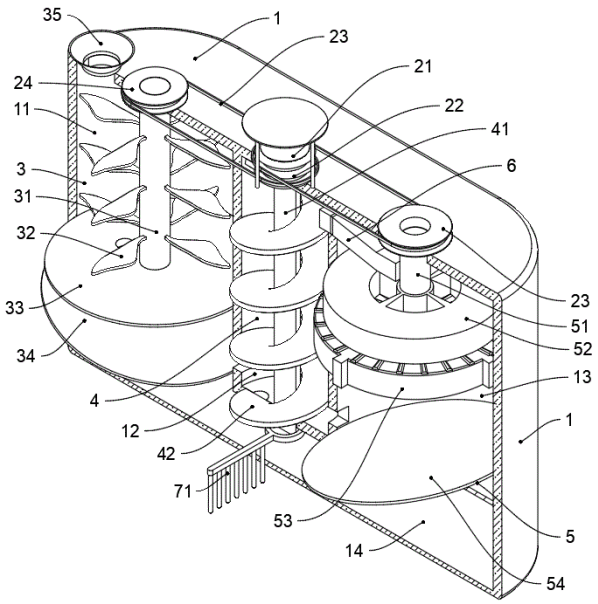
21: 2024/02306. 22: 2024/03/22. 43: 2024/09/26
51: G06F
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang
54: HEALTH MANAGEMENT DATA PUSH METHOD, SYSTEM AND STORAGE MEDIUM
00: -
The present invention discloses a health management data push method, a system and a storage medium, which relate to the technical field of data pushing. The method comprises the following steps: acquiring basic feature information and health information of a user within a preset time period; generating a personalized label of the user based on the basic feature information and the health information; and generating a personalized health maintenance guidance plan according to the personalized label and pushing the personalized health maintenance guidance plan to the user. The present invention can overcome the defects that the conventional push method is not personalized and is not beneficial to health management, obtains a more proper health maintenance guidance plan, and is beneficial to monitoring a physical condition of a user at any time and improving the physical condition in time.



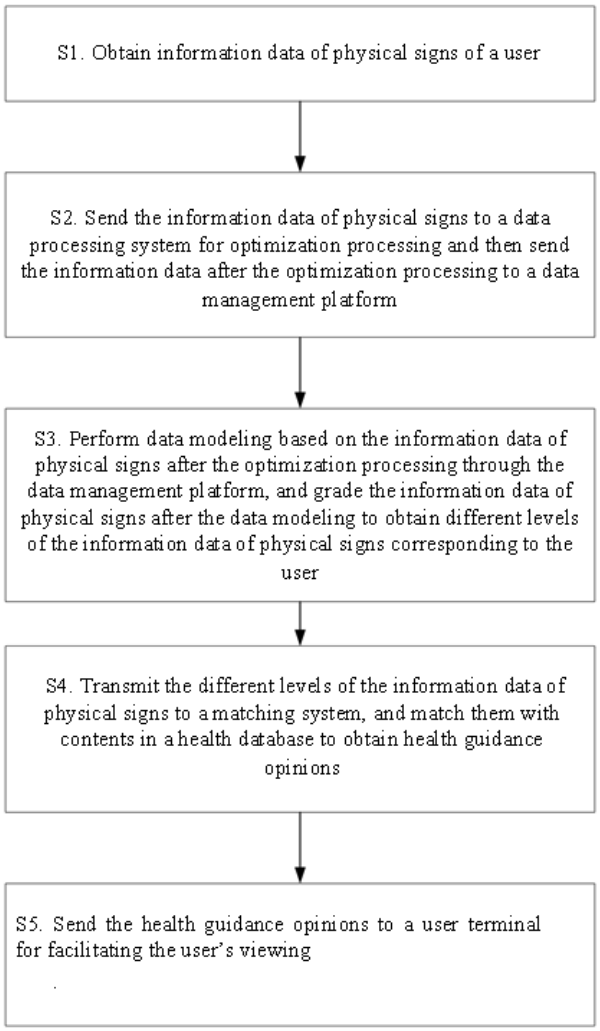
21: 2024/02307. 22: 2024/03/22. 43: 2024/09/26
51: G06F; H04L
71: GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang
54: METHOD FOR MANAGING HEALTH DATA BY USING LINXIISA
00: -
The present invention discloses a method for managing health data by using LinxiISA, which relates to the technical field of data management. The method comprises: collecting health data of patients and uploading the health data to a cloud platform, updating a health data matrix of each of the patients according to a type and a collection time of the health data, traversing the matrix to obtain a feature sequence corresponding to the type of the health data within a preset time, inputting a trained long short-term memory network to obtain an analysis result, and providing health advice and warning for the patients according to the analysis result. According to the present invention, the cloud platform can comprehensively monitor, manage and remind the health data of the chronic disease patients, so that the physical health of the patients is guaranteed; and the cloud platform is based on LinxiISA and has the characteristics of high parallel computing efficiency and good cross-platform universality.



21: 2024/02308. 22: 2024/03/22. 43: 2024/09/26
51: A23L
71: Guangzhou City Polytechnic
72: ZHANG Yuehua, JIANG Jinjin
54: INVENTION RELATES TO NUTRIENT-HEALTHY MEAL REPLACEMENT FOOD AND PREPARATION METHOD THEREOF
00: -
The invention relates to the technical field of food preparation, in particular to a nutrient-healthy meal replacement food and a preparation method thereof. The technical scheme comprises: the nutrient-healthy meal replacement food consists of the following components: carbon water, protein, fat, vegetables and fruits, flavoring agents, dietary fiber and nutrient elements. The food of the invention has the advantages of balanced nutrition, convenient and fast consumption, no additives and preservatives, and can better meet the needs of health and nutrition, and the putting into use of the integrated preparation equipment can improve the safety of food production and improve the production efficiency.



21: 2024/02309. 22: 2024/03/22. 43: 2024/09/26
51: H04L; G06Q
71: GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD
72: LIU, Enping, LIU, Sujun, LIN, Yongming, WANG, Shengxiang
54: METHOD FOR MANAGING HEALTH DATA THROUGH STAR CHAIN TECHNOLOGY
00: -
Provided is a method for managing health data through star chain technology, including: obtaining information data of physical signs of a user; sending the information data of physical signs to a data processing system for optimization processing and then sending the information data after the optimization processing to a data management platform; performing data modeling based on the information data of physical signs after the optimization processing through the data management platform, and grading the information data of physical signs after the data modeling to obtain different levels of the information data of physical signs corresponding to the user; transmitting the different levels of the information data of physical signs to a matching system, and matching them with contents in a health database to obtain health guidance opinions; and sending the health guidance opinions to a user terminal for facilitating the user's viewing. The present invention improves the effect and efficiency of managing the user's physical health.

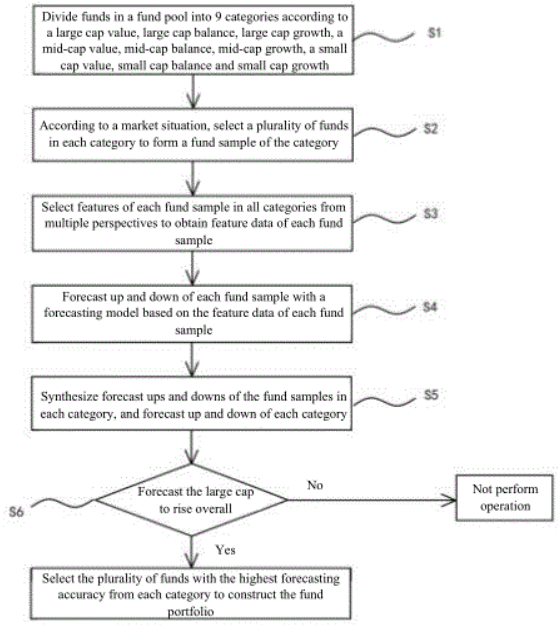


21: 2024/02310. 22: 2024/03/22. 43: 2024/09/26
51: G06F; G06Q
71: Suzhou International Development Group Co., Ltd.
72: ZHANG, Bing, TANG, Yiyong, ZHOU, Ye, SHEN, Guangjun, LI, Shengyu, NIU, Xiaojian
33: CN 31: 202311155417.0 32: 2023-09-08

54: METHOD AND APPARATUS FOR CONSTRUCTING FUND PORTFOLIO BASED ON MARKET STATE FORECASTING

00: -

Disclosed is a method and apparatus for constructing a fund portfolio based on market state forecasting. The method includes dividing funds in a fund pool into 9 categories according to a large cap value, large cap balance, large cap growth, a mid-cap value, mid-cap balance, mid-cap growth, a small cap value, small cap balance and small cap growth; according to a market situation, selecting a plurality of funds in each category to form a fund sample of the category; selecting features of each fund sample in all categories from multiple perspectives to obtain feature data of each fund sample; forecasting up and down of each fund sample with a forecasting model based on the feature data of each fund sample; synthesizing forecast ups and downs of the fund samples in each category, and forecasting up and down of each category; and forecasting overall ups and downs of large cap.



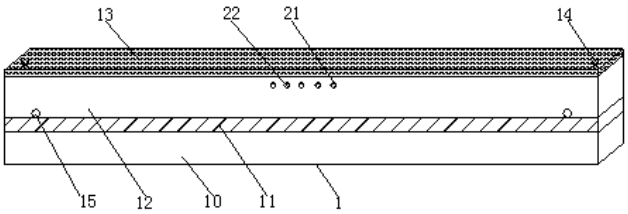
21: 2024/02311. 22: 2024/03/22. 43: 2024/09/26
51: H02J
71: Central South University, Guangzhou City Polytechnic, Guangzhou Metro Design & Research Institute Co.,Ltd., Dongnan Coastal Railway Fujian Co., Ltd., CHINA RAILWAY 12TH BUREAU GROUP CO.,LTD.
72: LI Peicheng, YE Mengxuan, ZENG Zhiping, WU Shuang, HAN Marui, WU Da, YIN Huatuo, LI Ping, LI Zhuang, CHEN Guoshun, ZHANG Zhipeng, HUANG Zhibin, GUO Wuji, WANG Xiongbiao, LIU Junhua, CAI Fuhai, DUAN Tingfa

54: INVENTION RELATES TO RUBBER SLEEPER WITH AUTOMATIC MONITORING FUNCTION

00: -

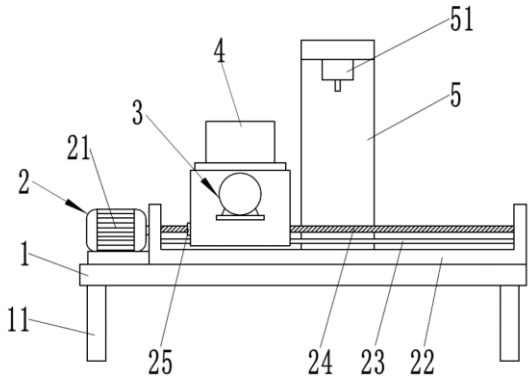
The invention belongs to the technical field of rail transit, in particular relates to a rubber sleeper with automatic monitoring function, which comprises a rubber sleeper body, the rubber sleeper body

comprises a sleeper, a steel plate, a rubber mounting plate and a rubber plate that are fixedly connected from bottom to top, and a needle-type temperature acquisition mechanism, a pressure measuring mechanism and a number of anti-reverse mechanisms are arranged in a preset mounting slot of the rubber mounting plate. The sleeper is fixedly connected with a connecting layer, the top surface of the connecting layer is fixedly connected with the inner top wall of the sleeper, the top surface of the connecting layer is provided with a number of grooves, the grooves are inserted into the connecting column fixedly, the connecting column is inserted through the pad and the sleeper is fixedly connected, and the rubber particles are filled between the connecting column and the groove. The invention avoids the relative sliding between the layers caused by the rolling of the train, guarantees the safety performance of the device during use, and facilitates the statistics of the temperature and pressure information at the device.



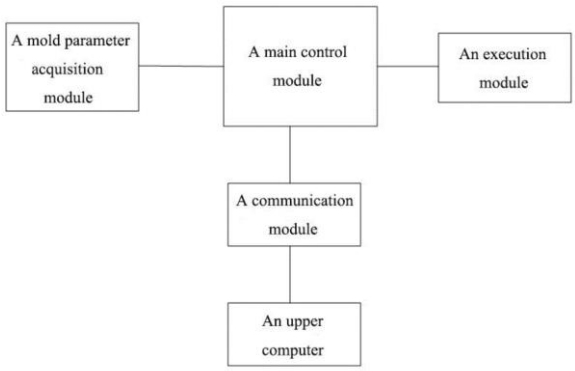
21: 2024/02312. 22: 2024/03/22. 43: 2024/09/26
51: A61L
71: The Fourth Medical Center of Chinese People's Liberation Army General Hospital
72: ZHENG, Guoquan, XUE, Chao, YU, Han, WANG, Tianhao, MA, Yue, WANG, Yiming
33: CN 31: 202311738342.9 32: 2023-12-18
54: HEMOSTATIC MATERIAL AND PREPARATION METHOD THEREOF
00: -
The present invention provides a hemostatic material. The hemostatic material is prepared from the following raw materials in mass percentage: 0.5-2.0 percent of a silver sulfadiazine nanocrystal, 12-18 percent of a thermosensitive gel matrix, 1-3 percent of a temperature regulator, 4-10 percent of a humectant and the balance being water; and the thermosensitive gel matrix is poloxamer 407 and poloxamer 188; and a mass ratio of the poloxamer 407 to the poloxamer 188 is (2-5) to 1.

21: 2024/02313. 22: 2024/03/22. 43: 2024/09/26
51: C21D
71: Zhejiang Industry and Trade Vocational College
72: Zhang Yuefei, Liu Jingqi, Chen Wenshan, Zhang Shanshan, Li Yong, Jiang Heming, Wang Shuguang, Teng Shuzhen
54: LASER FUSING AND STRENGTHENING DEVICE FOR STEEL SURFACE OF PLASTIC MOLD
00: -
The present invention provides a laser fusing and strengthening device for a steel surface of a plastic mold, including: a Y-axis moving mechanism and a bracket; the Y-axis moving mechanism comprises a Y-axis seat body, a second motor and a second screw rod device; the second motor is mounted on the placing plate of the Y-axis seat body; the second motor is located at the front end of the Y-axis seat body; the second screw rod device is controlled and driven by the output end of the second motor; and the upper end of the second screw rod device is provided with a mold; and the bracket is mounted at the upper end of the worktable, wherein the bracket further comprises a clamping mechanism, and the clamping mechanism is fixed on the sliding seat of the second screw device. The clamping mechanism of the present invention can stably clamp the mold and improve the working accuracy.



21: 2024/02314. 22: 2024/03/22. 43: 2024/09/26
51: G05B
71: Zhejiang Industry and Trade Vocational College
72: Zhang Yuefei, Zhang Shanshan, Zhu Shaojun, Liu Jingqi, Huang Zhiyang, Zhao Xifeng, Teng Shuzhen
54: AN INTELLIGENT MOLD CONTROL SYSTEM
00: -

The invention provides an intelligent mold control system, which comprises a mold parameter acquisition module, a main control module, an execution module and a communication module, wherein the mold parameter acquisition module is used for detecting parameter information and material parameter information of the intelligent mold in the working process; and the main control module is used for judging the parameter information and the parameter information of the material in the working process of the received intelligent mold, determining the working state of the intelligent mold, and controlling the execution module and the communication module to work; the execution module is used for adjusting the operation of the intelligent mold; and the communication module is used for communication between the main control module and the upper computer According to the invention, the working state of the mold can be detected, when the working state exceeds the preset threshold value, a worker is reminded and stops working, the state of the material in the working process can be detected, the mold can be adjusted in time, and the service life of the mold can be prolonged.

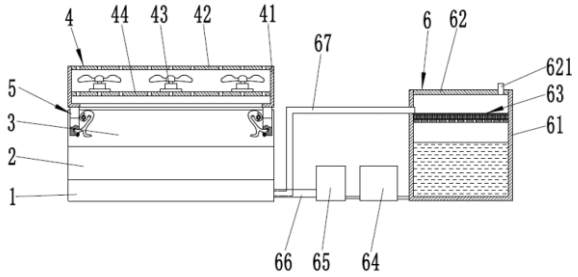


21: 2024/02315. 22: 2024/03/22. 43: 2024/09/26
51: B22D
71: Zhejiang Industry and Trade Vocational College
72: Zhang Yuefei, Teng Shuzhen, Zhu Shaojun, Li Yong, Wang Shuguang

54: TOOL CASTING MOLD CAPABLE OF RAPID HEAT DISSIPATION

00: -

The present invention provides a tool casting mold capable of rapidly dissipating heat, including: the heat dissipation assembly is detachably connected above the upper mold through four connecting mechanisms distributed along the four corners, the connecting mechanism comprises a swing piece pivoted on the upper mold and a connecting block fixedly connected with the heat dissipation assembly, the connecting block is provided with a clamping groove allowing the clamping part of the swing piece to be inserted, and the clamping groove can prevent the clamping part from being separated from the clamping groove. According to the present invention, only heat dissipation or only heat dissipation or simultaneous heat dissipation can be used according to process selection, so that rapid heat dissipation can be realized, and the adaptability is better.



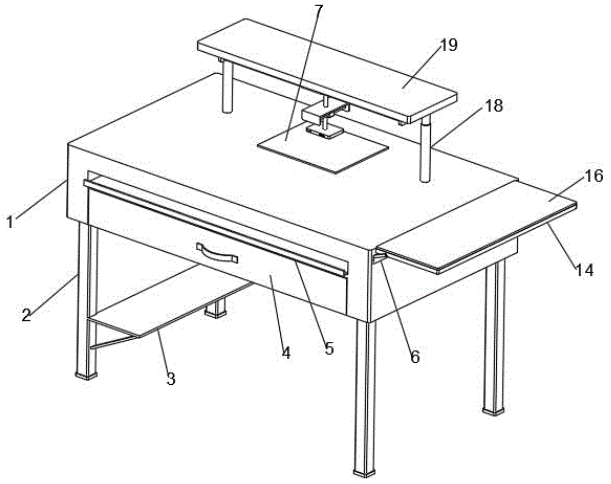
21: 2024/02316. 22: 2024/03/22. 43: 2024/09/26
51: H04L
71: Huainan Normal University
72: Yanfen Li, Yamin Du, Chuanliang Wu, Shaohua Qiu

54: A DATA TRANSMISSION DEVICE AND A DATA TRANSMISSION SYSTEM FOR STATISTICAL INVESTIGATION RESULTS

00: -

The invention relates to the technical field of data transmission device, in particular to a data transmission device and a data transmission system for statistical investigation results. The invention comprises: an operating platform, the lower end of the operating platform are fixed with supporting legs on four sides, the front end of the operating platform are respectively sliding connected with a drawer and a keyboard drawers, of which the lower end of the two supporting legs are fixed with a placing plate. The upper end of the operating platform is fixed with a scanning plate. By expanding the working plate and rotating plate, the data files are placed neatly, and placed successively on the upper end of the scanning plate, and it can be scanned and

transmitted through the scanner. The height of the scanner can be adjusted by activating the electric push rod, by holding the round rod and pulling down, the round rod with the toothed plate ii through the compression spring ii, so that the toothed plate ii and the toothed plate i. This allows the scanner to move in the left and right direction, and it can drive the scanner to move in the front and back direction by turning the non-slip block, which is easy to operate and improve work efficiency.

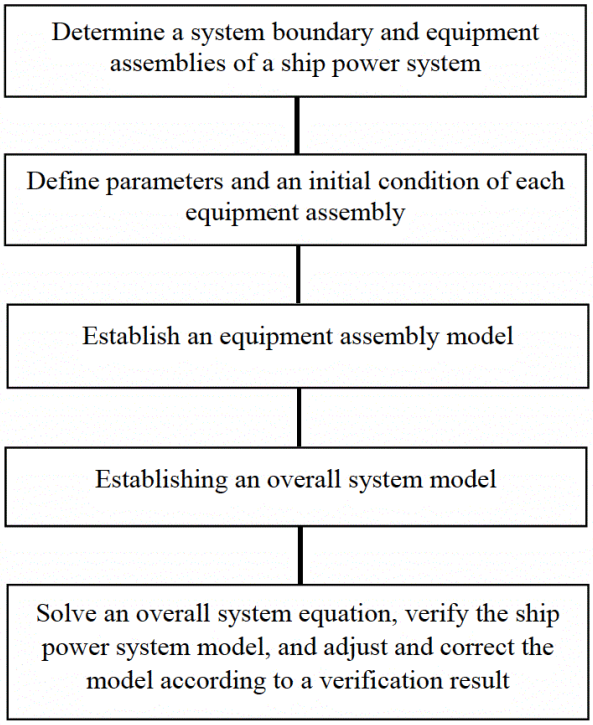


21: 2024/02317. 22: 2024/03/22. 43: 2024/09/26
51: G06F
71: Wuhan Second Ship Design and Research Institute
72: Pan Yan, Zhang Wenjin, Xia Kai, Fang Caihua, Shi Yaguang, Gong Daxin, Hu Chi, Li Guanqun, Zhang Rongchuan
33: CN 31: 202311271887.3 32: 2023-09-27

54: SHIP POWER SYSTEM-ORIENTED FAST MODELING METHOD AND DEVICE BASED ON LUMPED PARAMETER METHOD

00: -

The present invention discloses a modeling method and device for a ship power system based on a lumped parameter method, which is suitable for various types of ship power systems. The present invention includes ships of different types and scales and can be used for modeling different types of power devices and propulsion devices. Compared with a modeling method based on a detailed physical model, a modeling process based on the lumped parameter method is more concise and faster. A system model can be modeled and solved fast by using a parameterized model and a simplified mathematical expression. The present invention is suitable for real-time application scenarios and can be used for real-time emulation and control systems. By using the simplified model and an efficient solution algorithm, the method and device can operate and respond in a real-time environment. By establishing a transmission relationship and an energy-balance equation among assemblies, interaction and energy transfer among the assemblies can be described accurately.



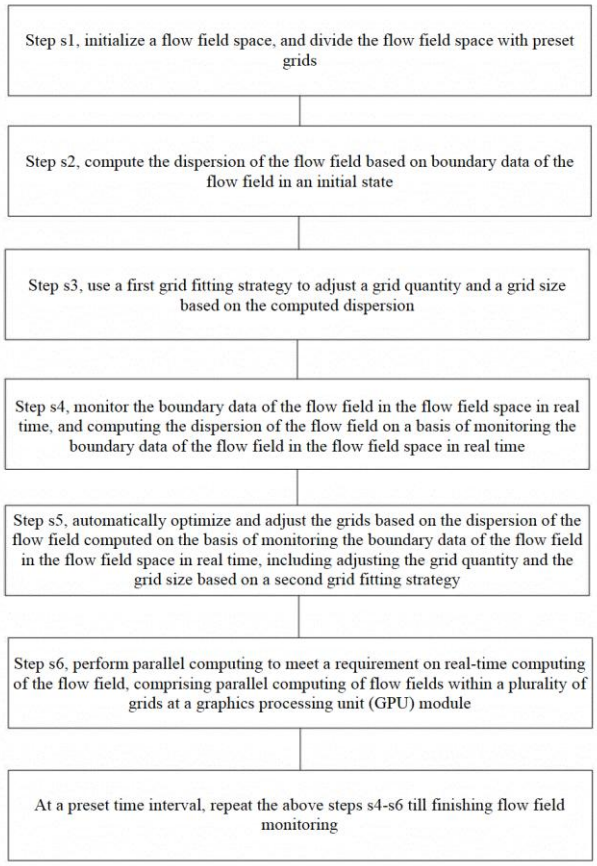
21: 2024/02318. 22: 2024/03/22. 43: 2024/09/26
51: G06F
71: Wuhan Second Ship Design and Research Institute
72: Shi Yaguang, Xia Kai, Zhang Wenjin, Fang Caihua, Hu Chi, Gong Daxin, Pan Yan, Zhang Rongchuan, Li Guanqun
33: CN 31: 202311030775.9 32: 2023-08-15

54: ADAPTIVE COMPUTATION SPEEDUP METHOD BASED ON DISPERSION OF FLOW FIELD

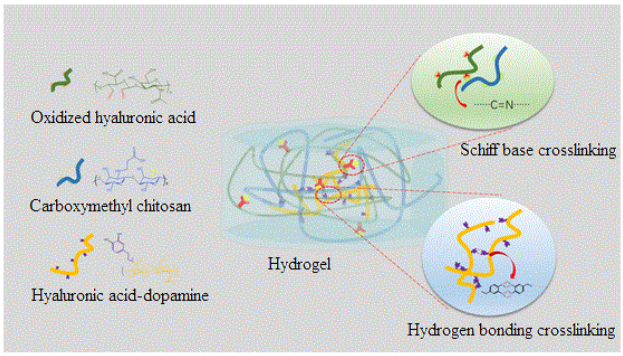
00: -

Disclosed is an adaptive computation speedup method based on dispersion of a flow field, including the following steps: step s1, initializing a flow field space; step s2, computing the dispersion of the flow field based on boundary data of the flow field in an

initial state; step s3, using a first grid fitting strategy to adjust a grid quantity and a grid size based on the computed dispersion; step s4, computing the dispersion of the flow field on a basis of monitoring the boundary data of the flow field in the flow field space in real time; step s5, adjusting the grid quantity and the grid size based on a second grid fitting strategy; and step s6, performing parallel computing to meet a requirement on real-time computing of the flow field, and at a preset time interval, repeating the above steps s4-s6 till finishing flow field monitoring. The method disclosed by the present invention can be adapted to space and time variations of the flow field automatically, so that the adaptivity of a computational fluid dynamics (CFD) algorithm is enhanced.



21: 2024/02319. 22: 2024/03/22. 43: 2024/09/26
51: A61L
71: THE THIRD PEOPLE`S HOSPITAL OF CHENGDU
72: Jun HOU, Junbo XU, ZengdunzhuDAN, Gang HUANG, Zhen ZHANG, Han WANG, Haifeng PEI, Tian YUE, Shiqiang XIONG, Jiali YANG, Han GAO, Jian HE, Shanshan QIN, Yue TANG
33: CN 31: 202311571337.3 32: 2023-11-23
54: INJECTABLE HYDROGEL, PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present disclosure provides an injectable hydrogel, a preparation method and an application thereof, which relates to the technical field of biomedical material development. The method for preparing an injectable hydrogel comprises steps of: dissolving oxidized hyaluronic acid, carboxymethyl chitosan and dopamine-modified hyaluronic acid in a buffer solution respectively to obtain an oxidized hyaluronic acid solution, a carboxymethyl chitosan solution and a dopamine-modified hyaluronic acid solution, mixing the oxidized hyaluronic acid solution, the carboxymethyl chitosan solution and the dopamine-modified hyaluronic acid solution, and standing to obtain an injectable hydrogel. In the present disclosure, an injectable hydrogel with high safety and good biocompatibility is prepared by using some special structures based on natural polysaccharides, which can be administered to the heart and can continuously play a supporting role.



21: 2024/02320. 22: 2024/03/22. 43: 2024/09/26
51: A61K
71: Chongqing Chemical Industry Vocational College, Xiangyang Central Hospital, Affiliated Hospital of Hubei University of Arts and Science, Chongqing Yaoxiaoge Pharmaceutical Technology Co., Ltd.
72: Yuanzhong WANG, Guiju CHEN, Ronghao ZHANG, Xi ZHA, Yihao ZHOU, Rexidan BAIKERI
54: CHINESE MEDICINE COMPOSITION OF LONICERA JAPONICA AND HIPPOPHAE RHAMNOIDES FOR TREATING ACNE
00: -

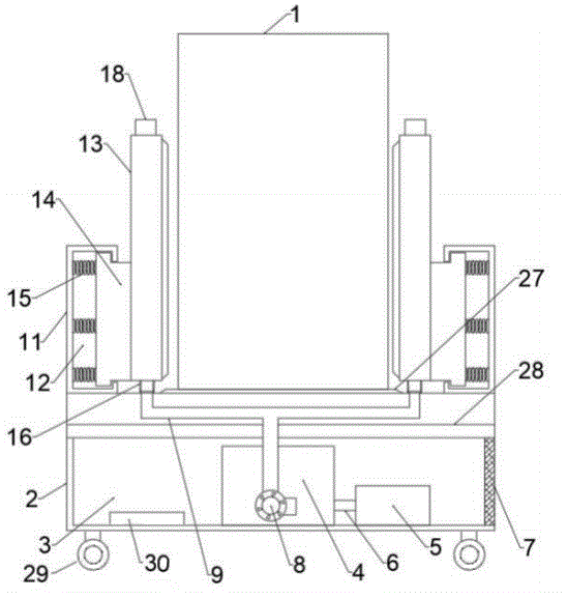
The present invention belongs to the field of medicine, and particularly relates to a Chinese medicine composition of Lonicera japonica and Hippophae rhamnoides for treating acne, including: 5-15 parts of Lonicera japonica and 18-32 parts of Hippophae rhamnoides. The combination of Lonicera japonica and Hippophae rhamnoides has multiple effects such as anti-inflammatory, antibacterial, anti-oxidation, and regulation of sebum secretion, which can comprehensively address the multifactorial property of acne and provide a comprehensive treatment effect. It contains abundant active ingredients and natural characteristics, which reduces the risk of potential adverse reactions and side effects. The ingredients have synergistic effects and enhance each other's treatment effect. The ingredients are mild and suitable for patients with different degrees of acne and different skin types and patients with sensitive skin, reducing possible allergic or irritative reactions.

21: 2024/02321. 22: 2024/03/22. 43: 2024/09/26
51: G06F
71: HEILONGJIANG INSTITUTE OF CONSTRUCTION TECHNOLOGY
72: FAN, Liping

54: ENERGY-SAVING WATER COOLING DEVICE FOR COMPUTERS

00: -

Disclosed is an energy-saving water cooling device for computers. The energy-saving water cooling device for computers includes a base, where locking universal wheels are arranged below the base, a cavity is arranged in the base, a counterweight block, a water storage tank and a refrigerator are arranged in the cavity. A water pump is arranged in the water storage tank, an output end of the water pump penetrates the water storage tank and is connected to a first water pipe, and an input end of the refrigerator is connected to a second water pipe. Supporting plates are symmetrically arranged on two sides of a top of the base, sliding grooves are arranged on inner sides of the two supporting plates, clamping plates are arranged in the sliding grooves, and sliders matching the sliding grooves are arranged on the clamping plates.



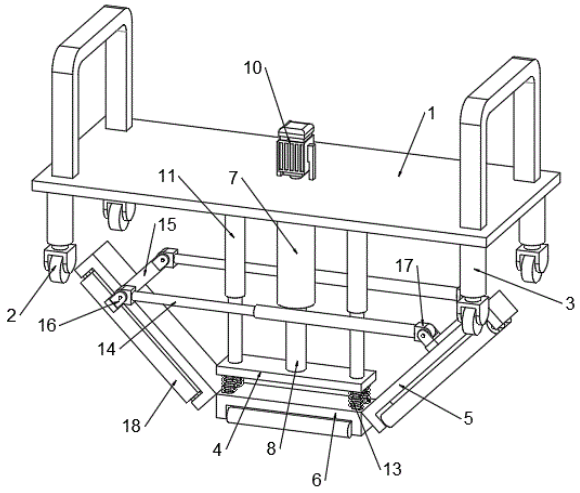
21: 2024/02324. 22: 2024/03/22. 43: 2024/09/26
51: A01G
71: Hohai University
72: DING, Jihui, LI, Bo, WAN, Qingyu, HUANG, Xuan, MA, Tao, DING, Xinrui
33: CN 31: 2023233965607 32: 2023-12-13

54: DEVICE FOR TREATING INNER WALLS OF DITCHES FOR FARMLAND IRRIGATION

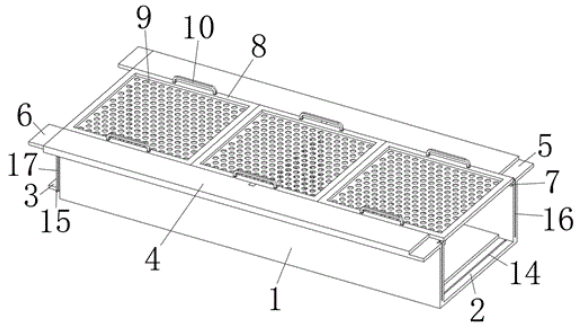
00: -

The invention discloses a device for treating inner walls of ditches for farmland irrigation, which comprises a supporting frame, four moving wheels, four first electric telescopic rods, a lifting plate, a lifting driving mechanism, a pair of side plates, a bottom plate telescopic structure, an angle adjusting mechanism and three flattening structures; the four corners of the bottom of the supporting frame are respectively connected and fixed with moving wheels through the first electric telescopic rods, and the bottom is fixed with a lifting driving mechanism, the lifting plate is driven to lift through the lifting driving mechanism, and the lower side is connected and fixed with a bottom plate through a telescopic structure; the left and right ends of the bottom plate are hinged with side plates respectively, and the included angle between the two side plates is adjusted by an angle adjusting mechanism; the lower sides of the bottom plate and the side plate are respectively provided with flattening structures. Compared with the prior art, the device of the invention can save manpower, and workers only need to push the invention to move along the ditch

to level the inner wall of the ditch, without using a long shovel to pat and flatten the inner wall of the ditch, so that the working efficiency can be effectively improved.

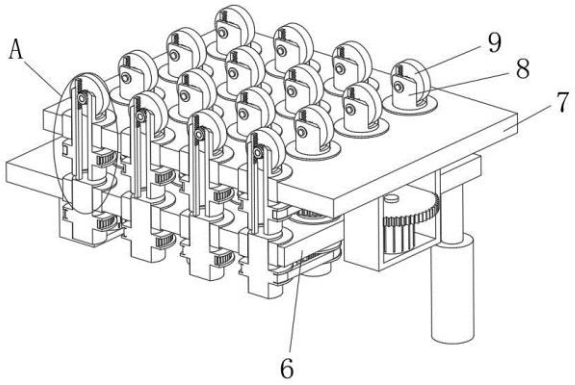


21: 2024/02325. 22: 2024/03/22. 43: 2024/09/26
51: E02B
71: Hohai University, China Water Resources Beifang Investigation, Design & Research Co. Ltd., Wu'an Water Resources Bureau
72: DAI, Yu, SONG, Libing, MA, Huilin, MA, Wenbo, WAN, Qingyu, WU, Mengsi, ZHANG, Xiaoli, HU, Rongjing, SUN, Lei
33: CN 31: 2023236618976 32: 2023-12-29
54: SPLIT-TYPE IRRIGATION CANAL WITH TRASH BLOCKING FUNCTION
00: -
The invention provides a split-type irrigation canal with trash blocking function, which relates to the technical field of irrigation canals, and comprises an irrigation canal body, wherein a clamping slot A is formed at the top end of the irrigation canal body, a clamping plate A is fixedly installed on the left side of the irrigation canal body, and a mounting plate is fixedly installed at the top end of the irrigation canal body, and a clamping slot B is formed at the top end of the mounting plate, so that a better use effect is achieved; after the irrigation canal body is installed, the fixed plate can be pinched and pressed downwards corresponding to the fixed groove, so that the fixed plate slides downward at that top end of the irrigation canal body through the fixed groove, and when the fixed plate drives the filter screen B to completely slide into the irrigation canal body, the fix ring can be put down corresponding to the upper baffle by holding the handle, so that the bottom end of the fixed ring can contact with the top end of the baffle, thus avoiding the situation that the existing irrigation canal can not be continuously used because of being blocked by sundries in the using process because most of the irrigation canals are not provided with a trash blocking structure.



21: 2024/02326. 22: 2024/03/22. 43: 2024/09/26
51: B65G
71: Huainan Normal University
72: Chuanliang Wu, Wenxian Xu, Yamin Du, Yanfen Li, Chun Fang
54: A MECHANICAL SLIDING DEVICE FOR LOGISTICS WAREHOUSING
00: -
The invention relates to the related technical field of logistics warehousing, in particular to a mechanical sliding device for logistics warehousing. It is a mechanical sliding device for logistics warehousing. It comprises a main conveyor belt, a primary shunt conveyor belt, a subordinate shunt conveyor belt, a tertiary shunt conveyor belt, a mechanical sliding component and an auxiliary acceleration component, and a primary shunt conveyor belt, a subordinate shunt conveyor belt and a tertiary shunt conveyor belt are arranged on the back side of the main conveyor belt. A mechanical sliding device for logistics warehousing is provided, which is composed of a main conveyor belt, a primary shunt conveyor belt, a subordinate shunt conveyor belt, a tertiary shunt conveyor belt, a mechanical sliding component and an auxiliary accelerating component. Thus, the auxiliary acceleration component provides acceleration power to the goods walking on the mechanical sliding component, so it can improve the power of the goods flowing through the mechanical sliding component,and can ensure that the goods

can stably enter the corresponding shunt conveyor belt.

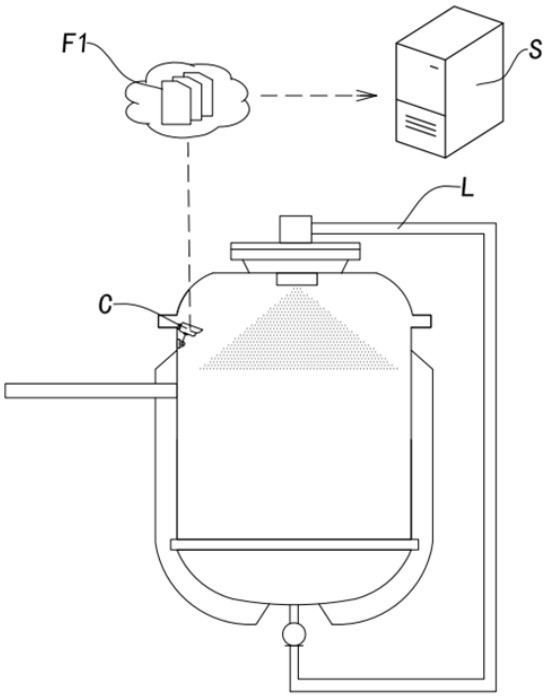


21: 2024/02328. 22: 2024/03/22. 43: 2024/09/26
51: B01J; G05B; G06N
71: FUJIAN LONGDE NEW ENERGY CO., LTD
72: FU, YANQIONG, FU, WEIPENG, ZHANG, DEYI, LI, ZHIHONG
33: CN 31: 2023101899818 32: 2023-03-02

54: LIQUID CIRCULATION ATOMIZATION SYNTHESIS CONTROL SYSTEM AND METHOD FOR LITHIUM HEXAFLUOROPHOSPHATE PREPARATION

00: -

The present application relates to the field of intelligent lithium hexafluorophosphate preparation, and specifically discloses a liquid circulation atomization synthesis control system and method for lithium hexafluorophosphate preparation. By using an artificial intelligence detection technology based on deep learning, time-series implicit association feature information about an atomization state of a LiF·HF solution is extracted from atomization state maps of the LiF·HF solution at a plurality of predetermined time points by passing the atomization state maps into a convolutional neural network (CNN) model serving as a filter and a transformer-based context encoder, and an appropriate introduced flow rate value of a PF5 gas is recommended by decoding and regression. In this way, the adaptive fitness of the introduced flow rate value of the PF5 gas is improved, whereby the LiF·HF solution reacts more fully with the PF5 gas, thereby improving lithium hexafluorophosphate preparation efficiency and material utilization.

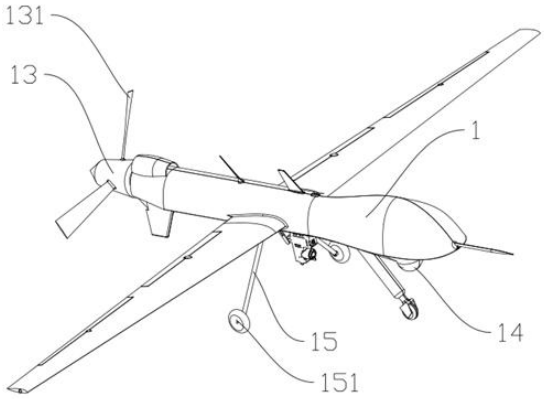


21: 2024/02331. 22: 2024/03/22. 43: 2024/09/26
51: B64C; B64D
71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
72: JUN ZHU, ZHIZHUANG DUAN, RUIYANG HUANG, YUYUN HUANG, RUI ZHENG, GUCHONG LIN, QINGQUAN JIA, NA LIN

54: UAV WITH PROJECTION FUNCTION

00: -

The utility model relates to a UAV with a projection function, comprising a UAV body. A bottom surface of the UAV body is provided with a first cabin; a cabin cover plate is arranged outside the first cabin; a supporting housing is arranged inside the first cabin; both sides of the supporting housing are provided with rotating shaft rods; a driving component for adjusting the angle of the rotating shaft rods is arranged inside the supporting housing; a fixed rod is arranged between every two rotating shaft rods; a surface of the fixed rod is provided with a projection component; a surface of the cabin cover plate is provided with a plurality of first slots; the sizes of the first slots are adapted to the motion range of the rotating shaft rods; and there is no interference between the fixed rod and the cabin cover plate.

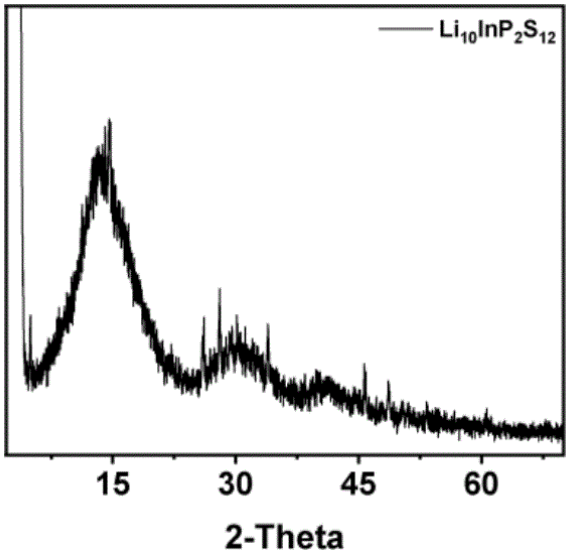


21: 2024/02332. 22: 2024/03/22. 43: 2024/09/27
51: H01M
71: SHANGHAI FIRM-LITHIUM NEW ENERGY TECHNOLOGY CO., LTD.
72: ZHANG, Xi, ZHU, Jinhui, CHEN, Zhenying
33: CN 31: 202111021844.0 32: 2021-09-01

54: METHOD FOR PREPARING SULFIDE SOLID ELECTROLYTE MATERIAL AND APPLICATION THEREOF

00: -

Disclosed in the present invention are a method for preparing sulfide solid electrolyte material and an application thereof. The electrolyte has a structure of Li10GeP2S12, with a general chemical formula of LiaMbPcSd (M being one or more of Al, Ga, In, or Ta, and a, b, c, d >0). A Li10GeP2S12-type solid state electrolyte has the highest lithium ion conductivity, but the high cost of currently developed solid state electrolytes of this type prevents further practical application thereof.

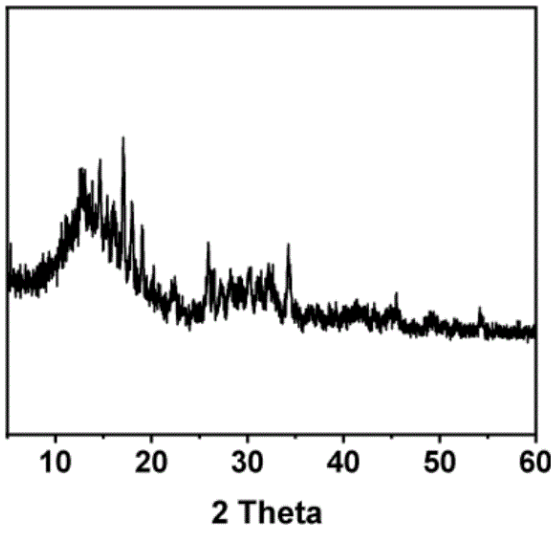


21: 2024/02333. 22: 2024/03/22. 43: 2024/09/27
51: H01M
71: SHANGHAI FIRM-LITHIUM NEW ENERGY TECHNOLOGY CO., LTD.
72: ZHANG, Xi, ZHU, Jinhui, CHEN, Zhenying
33: CN 31: 202111022905.5 32: 2021-09-01

54: PREPARATION METHOD FOR ARGYRODITE-TYPE SOLID ELECTROLYTE, AND ALL-SOLID-STATE BATTERY APPLICATION THEREOF

00: -

Disclosed are a preparation method for an argyrodite ore-type solid electrolyte and an all-solid-state battery application thereof. A general formula for an electrolyte is: LiaMQ6-x(BH4)x, where M is one or more among Sn, In, P, Si, Ge, and As, Q is one or more among O, S, Se, and Te, 1 less than or equal to a less than or equal to 9, and 0 less than x less than or equal to 6. The preparation method for the electrolyte comprises: mixing and ball milling Li2Q, P2Q5, MQ2, and LiBH4, and obtaining an initial solid electrolyte; and further performing heat treatment on the initial solid electrolyte in a vacuum quartz tube, and obtaining an argyrodite-type solid electrolyte. The presence of borohydride ions in the prepared electrolyte assists in improving the conductivity and stability thereof.

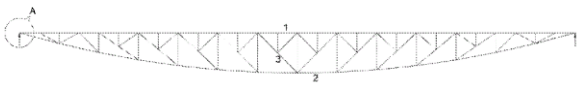


21: 2024/02347. 22: 2024/03/22. 43: 2024/09/27
51: E01D
71: SINGH, Pramod Kumar
72: SINGH, Pramod Kumar
33: IN 31: 202111043274 32: 2021-09-24

54: COMPOSITE RCC DECK AND PRESTRESSED PARABOLIC BOTTOM CHORD UNDERSLUNG OPEN WEB STEEL GIRDER BRIDGE SUPERSTRUCTURE

00: -

Composite decks increase bridge strength and stiffness. Prestressed composite open web steel girder has added advantage of high strength cable support. Results of typical 125m span bridges having heights of 9.0m, 10.0m and 12.5m, and another 50.0m span and 2.5m height are given. Member stresses and bridge deflections during erection remained safe. Average steel off take for the 125m bridge is 2.65 t/m and for the 50m span bridge it is 1.77 t/m for limiting live load deflection of Span/800. Its reserve strength is 3.2 times service condition live load. The girders are panel wise workshop fabricated, assembled at site, jacked up or crane lifted to secure over bearings. Connection of the cross members, and onsite deck casting in parts with stage wise bottom chord prestressing is carried out. Short to long span bridges for single or multiple lanes in road, rail, metro rail, and coastal link projects are feasible.

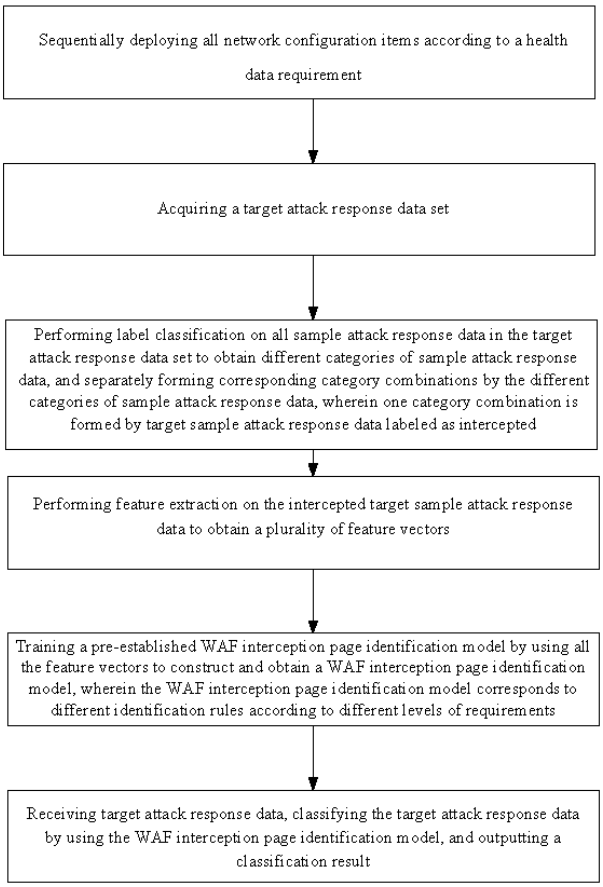


21: 2024/02352. 22: 2024/03/22. 43: 2024/09/27
51: G06F; H04L
71: GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

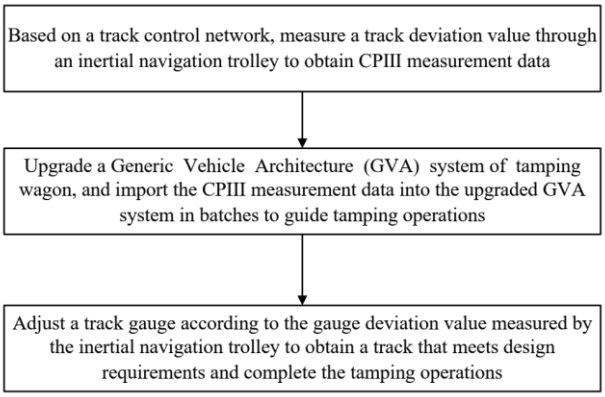
54: METHOD FOR MANAGING HEALTH DATA BY ADN NETWORK

00: -

The present invention discloses a method for managing health data by an ADN network, which is applied to the technical field of data management. The method comprises the following steps: sequentially deploying all network configuration items according to a health data requirement; acquiring a target attack response data set; performing label classification on all sample attack response data in the target attack response data set to construct and obtain a WAF interception page identification model, wherein the WAF interception page identification model corresponds to different identification rules according to different levels of requirements; and receiving target attack response data, classifying the target attack response data by using the WAF interception page identification model, and outputting a classification result. According to the present invention, permission level information is added into the attack response data, different identification degrees are acquired for different permissions, a target permission rule is determined for data security degree level, and permission control is performed on access of a user terminal to a target service based on a data platform system according to the target permission rule, so that the computing burden of a WAF device is reduced.

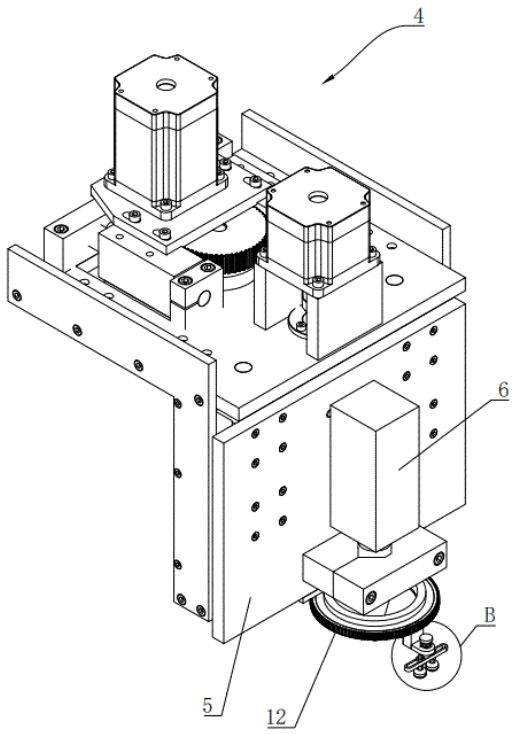


21: 2024/02353. 22: 2024/03/22. 43: 2024/09/27
51: E01B
71: CHINA RAILWAY FIRST GROUP CO., LTD, CHINA RAILWAY FIRST GROUP XINYUN ENGINEERING CO., LTD
72: WEN, Zhu, CHENG, Jingwei, SUN, Junhong, ZHAO, Shengjian, HAN, Yubo, XU, Hong, NIU, Likun, WANG, Wei, LIU, Jianxing
33: CN 31: 2023110697389 32: 2023-08-23
54: METHOD AND SYSTEM FOR BALLASTED RAILWAY TRACK REGULARITY TAMPING AND STORAGE MEDIUM
00: -
The present invention discloses a method and system for ballasted railway track regularity tamping and a storage medium and relates to the technical field of tamping construction. The method includes the following steps: based on a track control network, measuring a track deviation value through an inertial navigation trolley to obtain CPIII measurement data; upgrading a GVA system of tamping wagon, and importing the CPIII measurement data into the upgraded GVA system in batches to guide tamping operations; and adjusting a track gauge according to the gauge deviation value measured by the inertial navigation trolley to obtain a track that meets design requirements and complete the tamping operations. Without need to manually input the data on track lifting and lining workload, the present invention avoids manual input errors, and enables to intuitively reflect operation conditions through comparison of graphics and data, thus greatly improving construction efficiency and effectively controlling construction costs.



21: 2024/02354. 22: 2024/03/25. 43: 2024/09/27
51: B23D
71: Wenzhou Polytechnic
72: Zheng Mosi
54: A MACHINING CUTTING DEVICE
00: -
Disclosed in the present invention is a machining cutting device, comprising a worktable, a cross beam being arranged above the worktable, the cross beam being slidably arranged along the front and rear directions of the worktable, a sliding part being slidably arranged on the cross beam, the sliding part being slidably arranged along the length direction of the cross beam, a mounting plate being slidably arranged along the vertical direction on the sliding part, a laser being arranged on the mounting plate, and a pressing mechanism being also arranged on the mounting plate, the pressing mechanism comprising a pressing wheel, a rotating ring Drive motor and drive gear: the drive motor is fixed on the mounting plate, the drive gear is coaxially arranged on the output shaft of the drive motor, the slewing ring is rotatably arranged on the mounting plate, the slewing ring is coaxially arranged with the laser, the compression wheel is arranged on the slewing ring, an external gear ring is arranged outside the slewing

wheel, the external gear ring is meshed with the drive gear, and the lowest point of the compression wheel rim is lower than the lowest point of the laser. The present invention solves the problem that laser cutting is used to cut thin iron plates or iron sheets, and the iron plates are deformed at the cutting joints due to local stress.

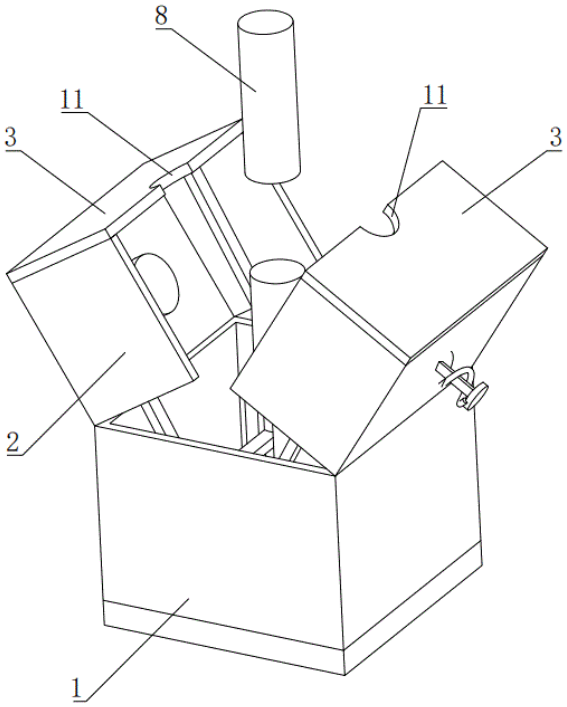


21: 2024/02355. 22: 2024/03/25. 43: 2024/09/27
51: A61G
71: Wenzhou Polytechnic
72: Zheng Mosi

54: A DEVICE FOR REMOVING BURRS ON METALWORKING SURFACES

00: -

The present invention discloses a metalworking surface burr removal device, comprising a shell with an opening facing upwards. A U-shaped plate is hinged on both sides of the upper end of the shell, and a rectangular plate is fixed on the upper end of the U-shaped plate; The U-shaped plate is equipped with an angle grinder that moves left and right on the inside; The bottom of the shell is fixed with an up and down moving support column, and the lower end of the support column is fixed with an I-shaped frame. The upper ends of the four corners of the I-shaped frame are hinged with an expansion rod, and the upper end of the expansion rod is hinged at the lower end of the rectangular plate; There is an electric cylinder directly above the support column that extends downwards, which solves the problem of low efficiency and safety hazards in burr removal.



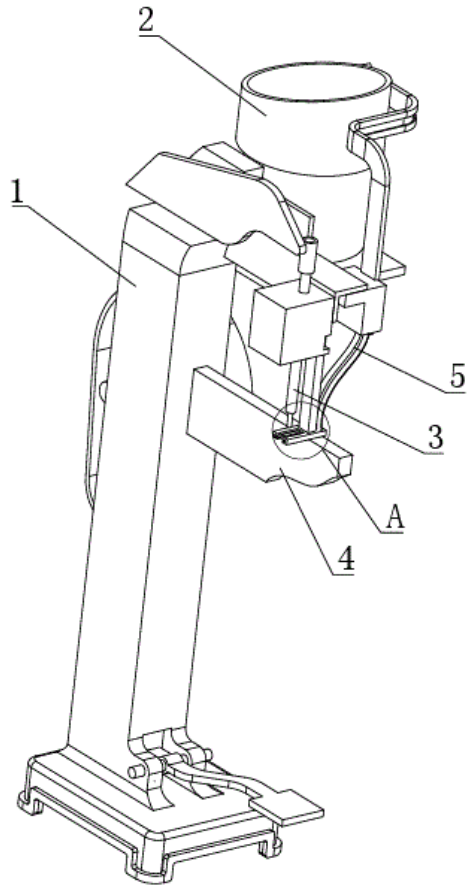
21: 2024/02356. 22: 2024/03/25. 43: 2024/09/27
51: B21D
71: Wenzhou Polytechnic
72: Zheng Mosi

54: A FEEDING DEVICE FOR RIVETING MACHINES

00: -

The present invention discloses a material feeding device for a riveting machine, comprising a shell, a riveting machine, and a vibrating plate, an upper mold, and a lower mold on the riveting machine. The vibrating plate is connected to a rivet conveying pipe; There is a partition, a channel, and a propulsion device inside the shell. The channel has a nail inlet and a nail outlet, and the lower end of the nail outlet has a hinged door with a blocking device on the hinged door. There is a blocking rod on the left side of the partition, which is connected to a rope. The lower end of the shell has a through hole, and the other end of the rope passes down through the through hole and is connected to a corresponding blocking device; The front gear lever rotates to the front and rear directions, and the rope

controls the rear blocking device to no longer block the hinged door on the rear side; The front side gear lever rotates to the left and is controlled by a rope to block the hinged door on the rear side; The rear gear lever is rotated to the front and rear directions, and the front blocking device is controlled by a rope to no longer block the hinged door on the front side; The rear gear lever rotates to the left and is controlled by a rope to block the hinged door on the front side. This invention solves the problem of difficult handling after dual station riveting and jamming.

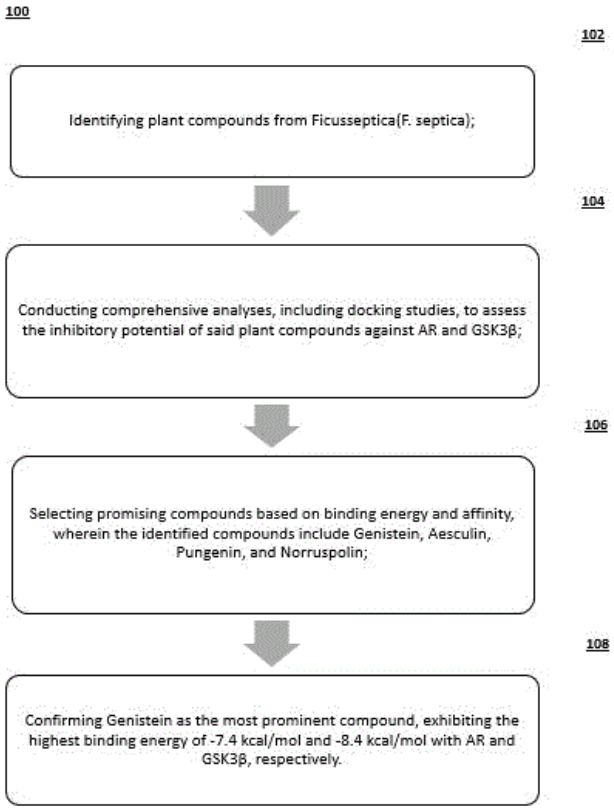


21: 2024/02357. 22: 2024/03/25. 43: 2024/09/27
51: C08L; H05B; A61P
71: Mithun Rudrapal, Johra Khan, Atul R. Bendale
72: Mithun Rudrapal, Johra Khan, Atul R. Bendale
33: IN 31: 202431009315 32: 2024-02-12

54: A NATURAL COMPOSITION OF DUAL INHIBITORS FOR EFFICIENT DIABETES MANAGEMENT

00: -

The present invention relates to the field of diabetes management, specifically focusing on the discovery of novel therapeutic agents targeting aldose reductase (AR) and glycogen synthase kinase 3 beta (GSK3 beta). Through comprehensive analyses, including molecular docking studies, Identifying (102) plant compounds from Ficusseptica (F. septica) were investigated for their potential to serve as dual inhibitors against AR and GSK3 beta. Confirming (108) Genistein as the most prominent compound, exhibiting the highest binding energy with AR (-7.4 kcal/mol) and GSK3 beta (-8.4 kcal/mol). The invention encompasses methods for identifying, characterizing, and utilizing these compounds, as well as pharmaceutical compositions and formulations for the effective treatment of diabetes. The disclosed plant-derived dual inhibitors offer a new avenue for developing targeted therapies, addressing the unmet needs in the field of diabetes management.

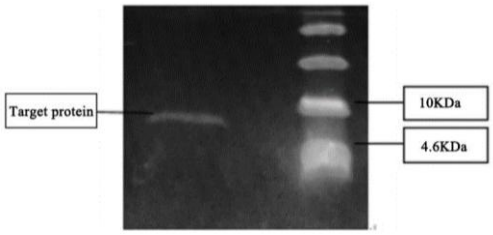


21: 2024/02358. 22: 2024/03/25. 43: 2024/09/27
51: C07K
71: Henan University of Urban Construction
72: LU, Min, BAI, Jie, WANG, Dongmei, JI, Shuhui, SUN, Binbin, WANG, Yanhong, FU, Pengfei, HONG, Jun, XIE, Zhaohui, ZHAO, Hongbei

54: METHOD FOR PREPARING HIGH-PURITY HOUSEFLY ANTIMICROBIAL PEPTIDE SARCOTOXIN-1B

00: -

The present invention falls within the technical field of genetic engineering, and particularly relates to a method for preparing high-purity housefly antimicrobial peptide Sarcotoxin-1B. In the present invention, housefly antimicrobial peptide Sarcotoxin-1B is secreted and expressed through a Pichia pastoris expression system, and the purity of housefly antimicrobial peptide Sarcotoxin-1B is effectively improved by adjusting a purification method.



21: 2024/02359. 22: 2024/03/25. 43: 2024/09/27
51: G01N
71: Xinyu University
72: HUANG, Ping, HUANG, Jianhua, FU, Haiyan, LIU, Lei, FU, Kai, ZHONG, Wei, XIAO, Zonghu, HUANG, Xuewen

54: PREPARATION METHOD FOR CARBON QUANTUM DOTS

00: -

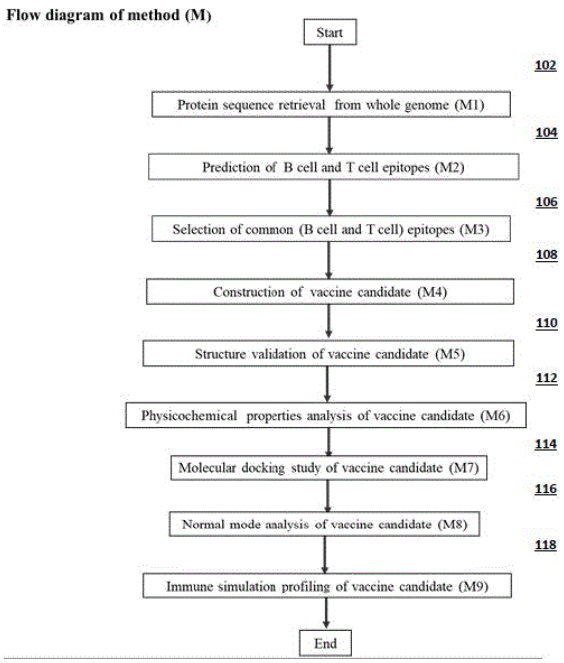
The present invention relate to a nano material preparation technology, and particularly relates to a preparation method for carbon quantum dots. The present invention provides a preparation method for carbon quantum dots. The preparation method includes the following steps: conducting ball milling on plant fibers, and obtaining refined fibers; mixing the refined fibers, urea and water, conducting hydrothermal reaction, and obtaining a crude product, where ultrasonic treatment is conducted while the hydrothermal reaction is conducted; and sequentially conducting vacuum heating, dispersion, centrifugation and filtration on the crude product, and obtaining the carbon quantum dots. The present invention treats the plant fibers by combining ball milling and ultrasonic treatment, such that hydrolysis of cellulose is effectively improved, dispersion of carbon quanta is facilitated, and yield of the carbon quantum dots is significantly increased.

21: 2024/02360. 22: 2024/03/25. 43: 2024/09/27
51: A61K; C07K
71: Dr. Chiranjib Chakravartty, Dr. Manojit Bhattacharya, Dr. Santanu Koley, Srijan Chatterjee, Sagnik Nag
72: Dr. Chiranjib Chakravartty, Dr. Manojit Bhattacharya, Dr. Santanu Koley, Srijan Chatterjee, Sagnik Nag
33: IN 31: 202431013916 32: 2024-02-27

54: A METHOD AND SYSTEM FOR FORMULATING A MULTI-EPITOPE PEPTIDE VACCINE AGAINST MONKEYPOX VIRUS

00: -

The present invention discloses a computer-implemented method and system for designing a multi-epitope peptide vaccine against Monkeypox Virus (mpox virus) (100). The method encompasses a series of steps including protein sequence retrieval, epitope prediction, epitope selection, vaccine candidate construction, structure validation, physicochemical properties analysis, molecular docking studies, normal mode analysis (NMA), and immune simulation profiling. Utilizing the ABCDE system, users can develop a comprehensive epitope-based peptide vaccine against Monkeypox Virus, offering a potential solution for combating this infectious disease. The system provides a novel approach to vaccine development, leveraging computational techniques to expedite the design process and enhance the efficacy of the resulting vaccine candidate.

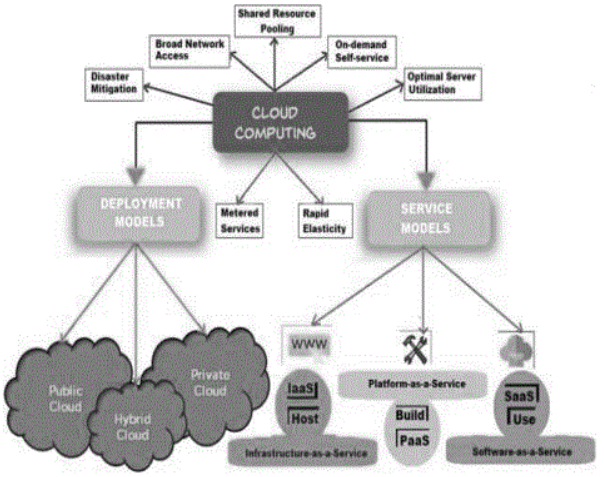


21: 2024/02361. 22: 2024/03/25. 43: 2024/09/27
51: G06F; G06K; H04J
71: Dr. Deepa Naik, Dr. Chiranjib Chakravartty, Dr. Durga Prasad Sharma, Dr. Santanu Koley, Rajrupa Metia, Rajesh Mukherjee, Dr. Bidesh Chakraborty, Sonal Sameer Bawankule, Dr. Manojit Bhattacharya, Patrali Pradhan
72: Dr. Santanu Koley, Rajrupa Metia, Rajesh Mukherjee, Dr. Bidesh Chakraborty, Dr. Deepa Naik, Sonal Sameer Bawankule, Dr. Chiranjib Chakravartty, Dr. Durga Prasad Sharma, Dr. Manojit Bhattacharya, Patrali Pradhan
33: IN 31: 202431004833 32: 2024-01-24

54: A CLOUD COMPUTING SYSTEM FOR EXTENDED BATTERY LIFE AND ENHANCED PERFORMANCE

00: -

This patent discloses a novel mobile cloud computing system, designed to address the critical need for energy conservation in smartphone usage. The system employs a binary data transfer mechanism for efficient data sharing, ensuring an optimal balance between battery life and mobile phone CPU cycles. Security features within the CDroid system encompass various applications, including anti-phishing measures, cookie handling, sensitive information blocking, push notification management, and remote wiping capabilities. Privacy preservation is achieved through the implementation of mobile ad blockers and push notification handlers. Furthermore, the CDroid system incorporates a remote code executor for mobile computations and a synchronization handler for data loading backup on the server side. The processing power is strategically optimized on the Fujitsu server, resulting in extended battery life for the smartphone. The mobile cloud server, characterized as the fastest of its kind, delivers a responsive user experience, marking a significant advancement in the realm of energy-efficient mobile cloud computing.



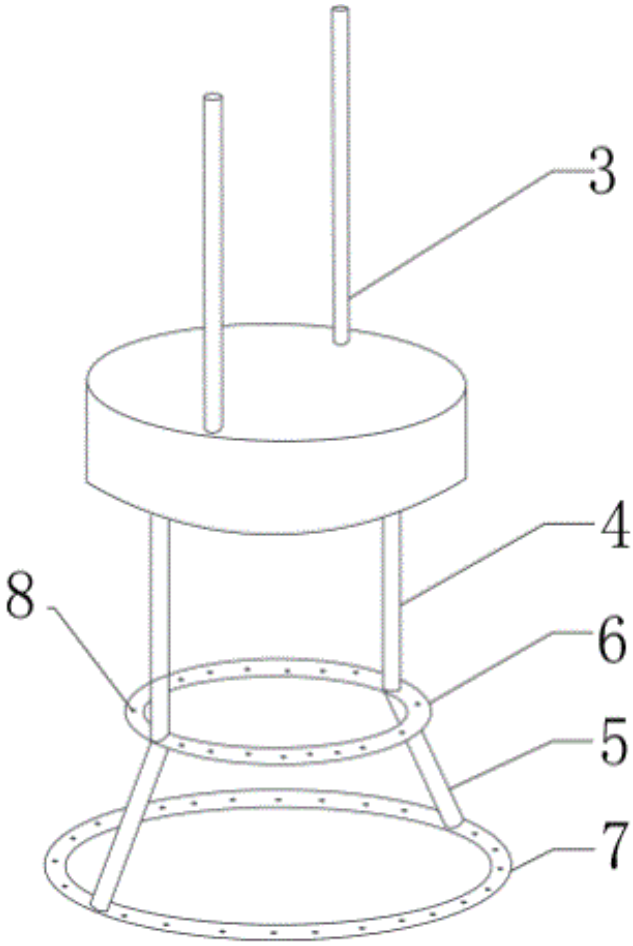
21: 2024/02362. 22: 2024/03/25. 43: 2024/09/27
51: E21B
71: CCCC FIRST HIGHWAY ENGINEERING GROUP, THIRD ENGINEERING CO., LTD OF CCCC FIRST HIGHWAY ENGINEERING GROUP, Sichuan Longjian Engineering Consulting Co., Ltd., China Communications Construction Co., Ltd. Rail Transit Branch
72: Wei LI, Wentao LIU, Zhenxi AI, Zhiqiang FU, Zhenwei ZHOU, Wenjing DUAN, Qingshi LI, Zhijia ZHU, Nan CUI, Jialiang GUO

54: A WATER MIST DEVICE FOR PIPE ROOF DRILL

00: -

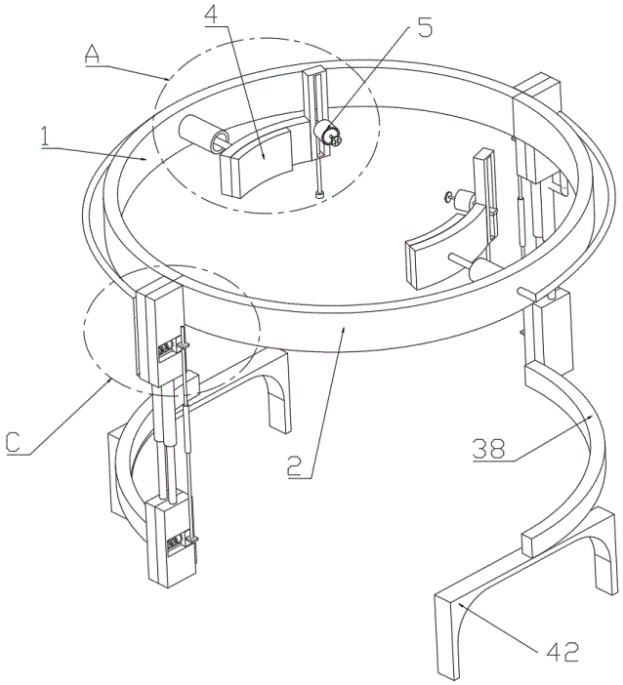
The present invention discloses a water mist device for pipe roof drill, which belongs to the technical field of water mist device, including a drilling rig connection part, a bottom shaft of the drilling rig connection part is provided with a drill pipe connection part, the drilling rig connection part and the drill pipe connection part form an accommodation cavity, one side of the drilling rig connection part is provided with a first water inlet pipe connecting the accommodation cavity, one side of the drill pipe connection part is provided with a

second water inlet pipe connecting the accommodation cavity, and the side of the second water inlet pipe is connected with a water-spraying part. The present adopts the water mist device for pipe roof drill, which solves the problems of discontinuous construction, uncertain water injection volume and easy blockage of water injection hole of drill pipe in the existing technology.



21: 2024/02363. 22: 2024/03/25. 43: 2024/09/27
51: A61H
71: The Second Affiliated Hospital of Nanchang University
72: Jinzhu Hu, Rong Wan, Zhenzhen Ju, Yang Shen, Qianghui Huang, Hualong Liu, Kui Hong
54: DETACHABLE CAROTID SINUS MASSAGE DEVICE FOR RELIEVING CARDIAC ARRHYTHMIAS
00: -

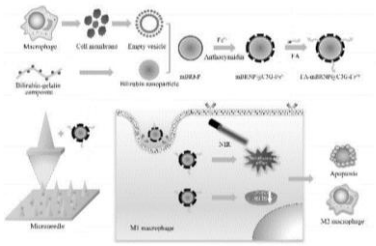
The invention discloses a detachable carotid sinus massage device for relieving cardiac arrhythmias, which relates to the technical field of medical device, comprising a binding ring I and a binding ring II; the structure of the binding ring I and the binding ring II is the same and can be spliced into an integral ring; the device also comprises a quick fixing component for fixing the binding ring I and the binding ring II; support components are provided in the inner side of the binding ring I and the binding ring II; massage components are provided on the support components. Compared with the prior art, the benefit of the invention is: Through the function of the quick fixing component, the binding ring I and the binding ring II can be conveniently placed on the outer side of the patient's neck for fixation. The quick fixation component automatically drives the fixed clips on both sides of the patient's neck to clamp them onto both sides of the patient's neck through the gravity of the binding ring I and the binding ring II, thereby quickly fixing the massage piece on one side of the patient's neck without the need for additional driving devices.



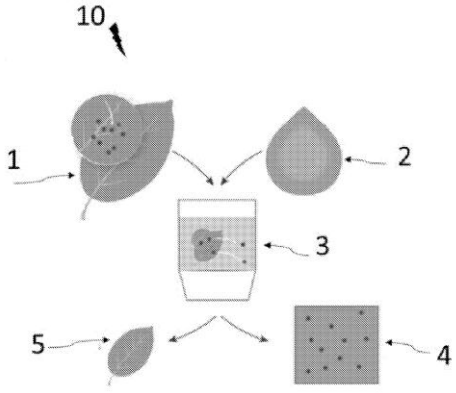
21: 2024/02364. 22: 2024/03/25. 43: 2024/09/27
51: A61K
71: Xijie Ren
72: Xijie Ren
33: CN 31: 2024102712061 32: 2024-03-11
54: METHOD FOR ELIMINATING BURNS AND SCALDS, WOUND INFECTIONS, AND FACIAL ACNE SCARS
00: -

The invention provides a method for eliminating burns and scalds, wound infections, and facial acne scars, including the following raw materials: Populus tomentosa leaf aqueous solution, Populus tomentosa leaf hydration, and auxiliary agents; the specific preparation method is as follows: take 200 g of processed Populus tomentosa leaves, and add several thousand milliliters of water and boil; respectively make a medicinal solution and medicinal leaf solvent, put them into bottles and package them for later use; the entire production process is performed aseptically. In the invention, Populus tomentosa leaves contain special antibiotics, which can eliminate infections of different wound flora. It has a significant effect on elimination of burns and scalds, wound infections, and facial acne scars. Poplar tomentosa leaves have a nourishing effect on damaged skin, inducing injured cells into thousands of cells, and regenerating and restoring tissues in situ. The invention has low cost, simple and convenient production, and can be promoted and used.

21: 2024/02368. 22: 2024/03/25. 43: 2024/10/16
51: A61K
71: STOMATOLOGICAL HOSPITAL OF CHONGQING MEDICAL UNIVERSITY
72: GAO, Xiang, WANG, Yue, YU, Wenliang, SONG, Jinlin
33: CN 31: 202310352354.1 32: 2023-04-04
54: PERIODONTAL MICRONEEDLE LOADED WITH NIR RESPONSIVE COMPOSITE BILIRUBIN NANOPARTICLES AND PREPARATION METHOD THEREOF
00: -
Provided are a periodontal microneedle loaded with near-infrared (NIR) responsive composite bilirubin nanoparticles and a preparation method thereof, belonging to the technical field of composite materials. In the present application, the bilirubin-gelatin composite nanoparticles have a good antioxidant viability and promote the repolarization of macrophages to M2 by removing reactive oxygen species (ROS); folic acid (FA) can specifically bind to FA receptors on surfaces of M1 macrophages, which can endow nanoparticles with good M1 macrophage targeting characteristics and improve the bioavailability of the material. The organic-metal supramolecular network coating has the characteristics of anthocyanidin and iron ion, showing anti-inflammatory and anti-oxidative therapeutic effects; meanwhile, it has photo-thermal properties, which can convert NIR light energy into heat energy and induce M1 macrophage apoptosis.

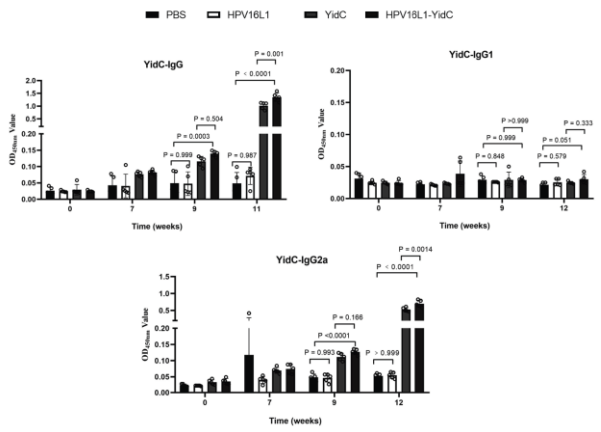


21: 2024/02369. 22: 2024/03/25. 43: 2024/09/27
51: A61K; A61P
71: ALKALAY, Rachel
72: ALKALAY, Rachel
33: US 31: 63/247,328 32: 2021-09-23
54: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING INFLAMMATORY DISEASES INCLUDING DIABETES AND THYROID DISEASES
00: -
A method of preventing or treating an inflammatory disease and/or conditions associated with inflammation and/or biomarkers associated with inflammation in a subject in need thereof is provided. Also provided are pharmaceutical compositions, articles and foods for the treatment of an inflammatory disease using natural active compounds such as herb and flower extracts.

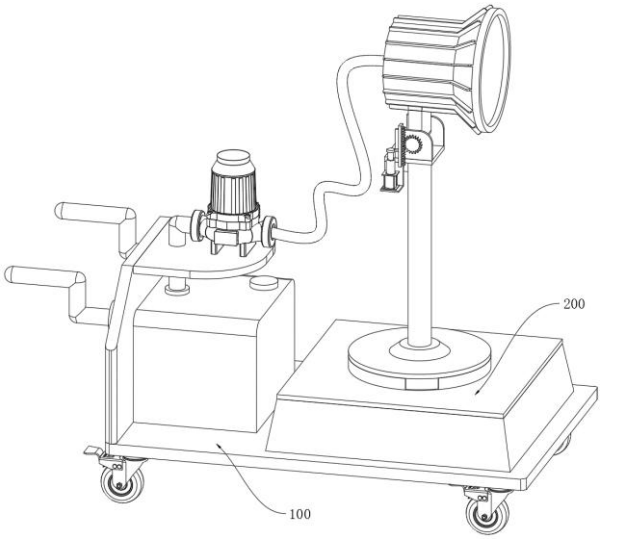


21: 2024/02393. 22: 2024/03/26. 43: 2024/10/01
51: A61K
71: PLA NAVY MEDICAL UNIVERSITY
72: ZHOU, Fangbin, ZHANG, Dongmei, ZHANG, Yilong, TIAN, Yini

33: CN 31: 2024100728050 32: 2024-01-18
54: TUBERCULOSIS VIRUS-LIKE PARTICLES AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
Provided are tuberculosis virus-like particles and a preparation method and an application thereof. An amino acid sequence of the tuberculosis virus-like particles is shown in SEQ ID NO: 1, and a nucleotide sequence encoding the amino acid is shown in SEQ ID NO: 2; the present invention further provides a preparation method of the tuberculosis virus-like particles, including the following steps: fusing an extramembrane fragment of Mycobacterium Tuberculosis with human papillomavirus capsid proteins; and tuberculosis HPV 16L1/YidC virus-like particles provided by the present invention are assembled by protein YidC of the Mycobacterium Tuberculosis chimeric on modified HPV 16L1, and feature strong immunogenicity.

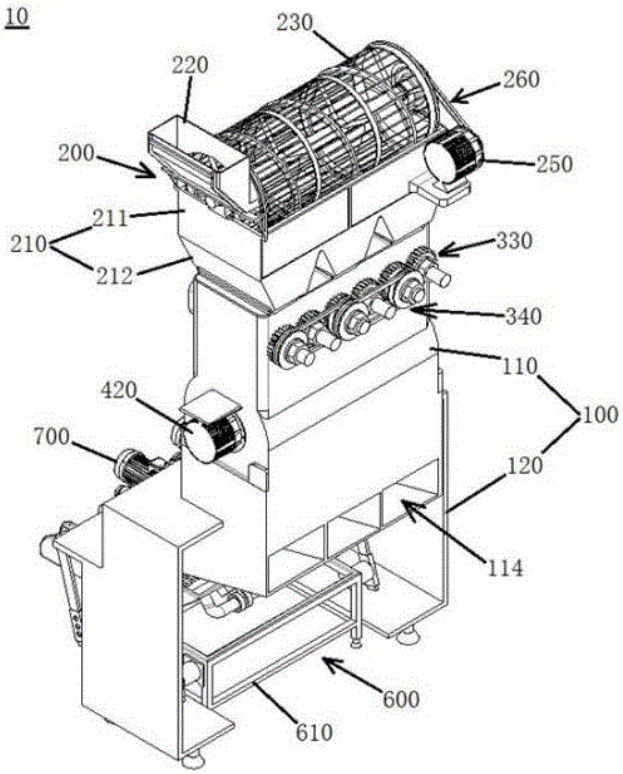


21: 2024/02394. 22: 2024/03/26. 43: 2024/10/01
51: B01D
71: Anhui Jiangnan Blasting Engineering Co., Ltd
72: GAO Pengfei, FAN Baolong, GE Lifang, WANG Gang, MA Guoqiang, YANG Ling, LUO Jiangtao, YAN Bo, ZHOU Xing
54: MULTI-ANGLE DUST REMOVAL EQUIPMENT FOR MINE BLASTING
00: -
The invention discloses multi-angle dust removal equipment for mine blasting, which comprises a bottom plate assembly, wherein the bottom plate assembly comprises a base, a connecting plate, a pushing hand, a spraying part and a water tank, wherein the connecting plate is fixed on one side of the base, the pushing hand is fixed on one side of the connecting plate, the spraying part is arranged on the top of the connecting plate, and the water tank is arranged on one side of the top of the base; and an adjusting assembly, the adjusting assembly is arranged at one side of the top of the base; the adjusting assembly comprises a positioning shell, a rotating part, a fixed shell, a connector and a driver, wherein the positioning shell is fixed at one side of the top of the base, the rotating part is arranged in the inner cavity of the positioning shell. The invention has that beneficial effect that the dust removal position can be moved and adjust through the arrangement of the bottom plate assembly, so that the convenience is improved; and the spraying angle can be adjusted from multiple angle through the adjusting assembly, so that the dust removal efficiency is improved without manual adjustment by workers.

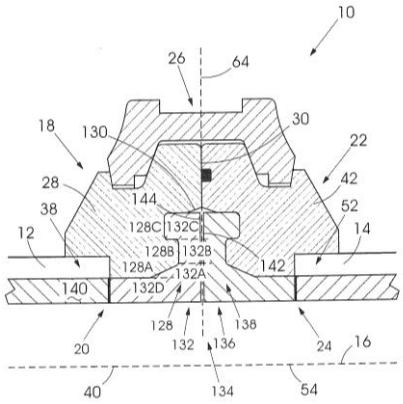


21: 2024/02395. 22: 2024/03/26. 43: 2024/10/01
51: A23N
71: Huzhou Vocational and Technical College, Zhejiang Sci-Tech University
72: WANG Rongyang, CHEN Liqun, SHEN Qiqi, YAN Liqiang, PENG Qiang
54: INVENTION RELATES TO GRADED PEANUT SHELL BREAKING MACHINE WITH SCREENING FUNCTION
00: -
The invention relates to a graded peanut shell breaking machine with screening function, which relates to the technical field of agricultural machinery, comprising a body, a screening mechanism, a shell breaking mechanism, a beating

mechanism and a separating mechanism. The screening mechanism comprises a hopper and a rotary drum, which is connected with the hopper, and the rotary drum is divided into several sections, and the wall of each section is surrounded by a plurality of grating bars. The spacing between adjacent bars increases along the direction away from the hopper. The shell breaking mechanism is used to break the shells of peanuts falling from different parts of the wall, the beating mechanism is used to beat peanuts, and the separating mechanism is used to separate peanut kernel and peanut shell. The invention can improve the success rate and effect of peanut shell breaking machine on peanut shell breaking, and avoid subsequent sorting and separation processes.

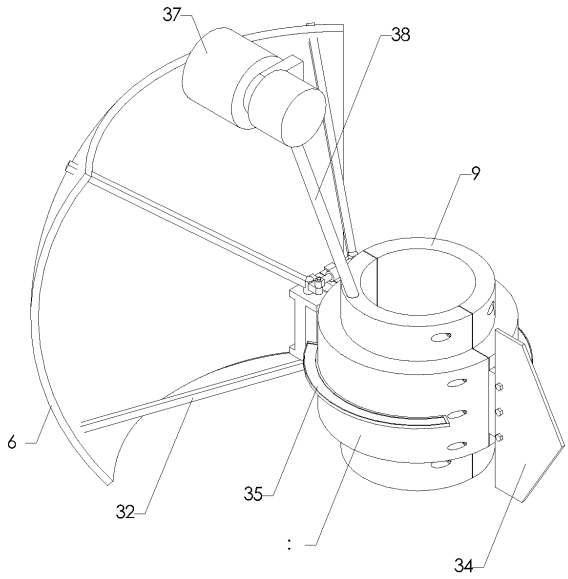


21: 2024/02397. 22: 2024/03/26. 43: 2024/10/14
51: F16L
71: SCHOLTZ, Johann
72: SCHOLTZ, Johann
33: ZA 31: 2023/03979 32: 2023-03-30
54: INTERLOCK PIPE HUB CLAMP ASSEMBLY
00: -
An interlock pipe hub clamp assembly which includes first and second pipes, a first pipe hub comprising a first body which has a first compression surface and a first outer surface which includes a first hub surface and a second hub surface, a second pipe hub comprising a second body which has a second compression surface which opposes the first compression surface and a second outer surface which includes a third hub surface and a fourth hub surface, and a clamping structure which extends circumferentially around the first and second bodies and which includes first, second, third and fourth clamping surfaces, such that upon actuation of the clamping structure the hub surfaces are interlocked with the respective clamping surfaces, the compression surfaces are engaged and aligned with each other and the interlock pipe hub clamp forms a seal, and a pipe hub for use in an assembly of the aforementioned kind.



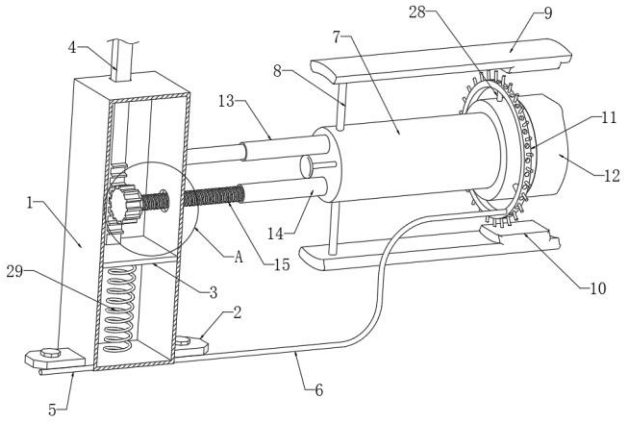
21: 2024/02399. 22: 2024/03/26. 43: 2024/10/01
51: G01H; G01N
71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: LIU, Zailiang, ZHANG, Bo
54: WIND-WAVE IMPACT TEST SYSTEM FOR JACK-UP OFFSHORE PLATFORM
00: -
The present disclosure relates to a wind-wave impact test system for a jack-up offshore platform. The system simulates a severe sea condition in an offshore calm sea for testing, which has low risk, low test cost, and a short test cycle. The wind-wave impact test system for the jack-up offshore platform includes a hull, pile legs, and deformation sensors; the hull is provided with a plurality of liftable pile legs; the hull and the pile legs are provided with a plurality of deformation sensors; the wind-wave impact test system further includes sail bodies, a tension sensor, and a pile leg detection assembly;

the sail bodies are detachably mounted on the pile legs; an area of wave interception of each sail body is larger than an area of wave interception of each pile leg, so that the pile leg obtains higher impact force in the calm sea; the tension sensor between the pile leg and the sail body is configured to detect a tension of the sail body on the pile leg; and the pile leg detection assembly is mounted at a lower part of the pile leg and is configured to detect a deformation of the pile leg under an impact.



21: 2024/02400. 22: 2024/03/26. 43: 2024/10/01
51: E21B
71: Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences
72: Meng Lingqun, Liu Pengfei, Zhu Pucheng, Liu Xuequan, Cui Shangjin
33: CN 31: 202311445411.7 32: 2023-11-02
54: ROCK CORE CATCHING DEVICE FOR UNDERGROUND DRILLING
00: -

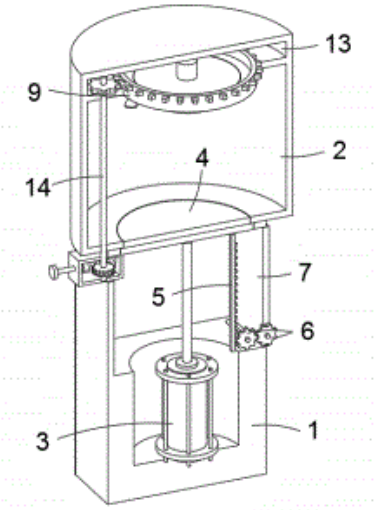
Disclosed in the present invention is a rock core catching device for underground drilling. The device includes a driving box, a telescopic rod is fixedly connected to a side wall of the driving box, and the end, far away from the driving box, of the telescopic rod is fixedly connected to a driving column. A side wall of the driving column is provided with a driving groove and a liquid storage groove, and the liquid storage groove is filled with a magnetorheological fluid. A piston is hermetically and slidably connected in the liquid storage groove, a driving mechanism for driving the piston to move is mounted in the driving groove, and the end, far away from the driving box, of the driving column is fixedly connected to a soft rubber cylinder. According to the present invention, by utilizing the soft rubber cylinder which is soft and the liquid variability property of the magnetorheological fluid, an end surface of the soft rubber cylinder forms a shape that completely matches an end surface of a rock core. Then, an electromagnetic plate at an outer side is electrified, such that the magnetorheological fluid forms a solid under the action of a strong magnetic field. In this case, the solidified soft rubber cylinder pushes out the rock core, and thus rock core damage caused by the fact that thrust is concentrated on a narrow surface on which the soft rubber cylinder and the rock core make contact can be effectively avoided.



21: 2024/02401. 22: 2024/03/26. 43: 2024/10/01
51: G05B
71: HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE
72: DONG, Yalei
54: ARTIFICIAL INTELLIGENT EXHIBITION TABLE WITH FILL-IN LIGHT REGULATED ON BASIS OF LIGHT SENSATION CHANGES
00: -

Disclosed in the present invention is an artificial intelligent exhibition table with fill-in light regulated on the basis of light sensation changes. The exhibition table is provided with a supporting base, a glass cover is fixed at a top of the supporting base, and an air cylinder is mounted inside the supporting base. The exhibition table includes: an adjusting mechanism arranged at an edge of a bearing table, where the adjusting mechanism realizes opening and closing of a protective door by means of lifting of

the bearing table; an intelligent regulation lamp fixedly arranged on an inner top surface of the glass cover, where a fixing cavity is provided at a top of the glass cover; and a light fill-in assembly arranged at an edge side of the intelligent regulation lamp, where the light fill-in assembly performs light fill-in at different positions of an exhibit in a rotating manner.

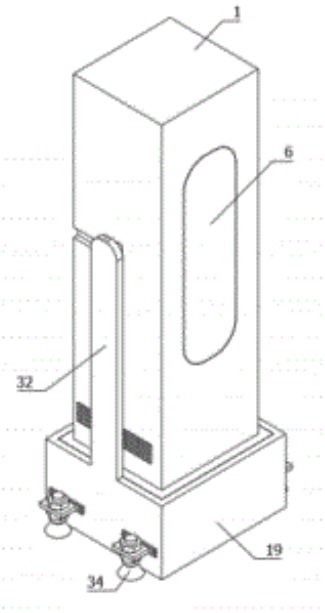


21: 2024/02402. 22: 2024/03/26. 43: 2024/10/01
51: G06K
71: HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE
72: DONG, Yalei

54: ARTIFICIAL INTELLIGENT FACE RECOGNITION DEVICE HAVING TEMPERATURE MEASUREMENT STRUCTURE

00: -

Disclosed in the present invention is an artificial intelligent face recognition device having a temperature measurement structure. The artificial intelligent face recognition device includes a protective housing, one side of the protective housing is fixedly provided with a side cover, and a partition plate is fixedly arranged at a lower portion in a cavity of the protective housing. One ends of two sides of the protective housing are correspondingly provided with sliding groove bodies, and ones end of tops of the two sliding groove bodies are provided with fixing grooves. An upper portion of the other end of the protective housing is fixedly provided with a perspective plate, and the perspective plate is made of a transparent material. Lower portions of two sides of the protective housing are correspondingly provided with heat dissipation plates, and a bottom in the cavity of the protective housing is provided with a host.



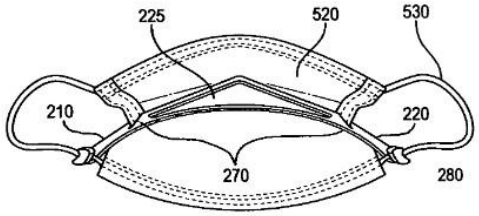
21: 2024/02412. 22: 2024/03/26. 43: 2024/10/01
51: A41D; A62B
71: RODAN ENTERPRISES, LLC, RUSSIKOFF, Ronald, K.
72: RUSSIKOFF, Ronald, K.
33: US 31: 63/360,142 32: 2021-09-08

54: DUAL CHAMBERED PROTECTIVE MASK AND FRAME INSERT FOR FORMING THE SAME

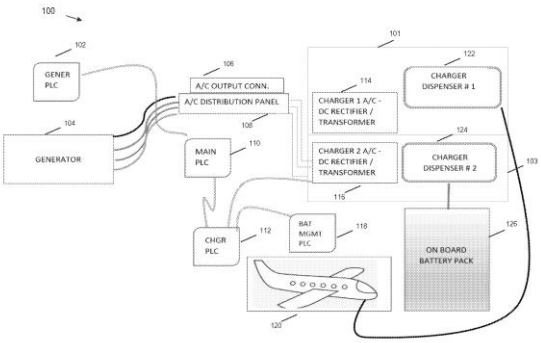
00: -

A frame insert is disclosed for use in support of a conventional protective face mask covering forming a conventional single chamber over the nose and mouth of the wearer wherein the frame insert is specially formed and configured to engage the surface coverings of the single chamber mask in a releasable attachment and provide separate isolated chambers about the nose and mouth regions with distinct air flow passages for healthier breathing by the wearer. In one aspect of the invention, the frame insert is integrally formed in a triangular shape comprising a first edge, a second edge and a curved base strut therebetween along the perimeter, the first edge and the second edge converging to meet at a vertex forwardmost on the frame insert and the base strut extending in a arcuate configuration between separate ends of the first edge and second edge rearward on the frame insert. In another aspect

of the invention, the frame insert is integrally formed in a trapezoidal shape with the first edge and the second edge being joined with an intermediate edge forwardmost on the perimeter of the frame insert. Interstitial slots formed along the perimeter lengths of the first and second edge provide sliding engagement of the frame insert with the surface coverings of the mask allowing proper positioning of the frame insert within the mask with reduced leakage gaps therebetween.



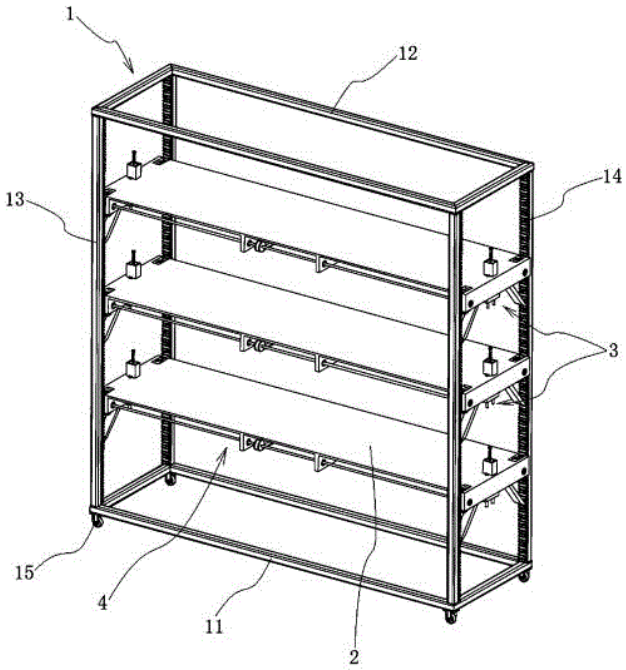
21: 2024/02417. 22: 2024/03/26. 43: 2024/10/01
51: B60L
71: DER-X HOLDINGS LLC
72: RICKETTS, Jeffrey James
33: US 31: 63/247,586 32: 2021-09-23
33: US 31: 17/950,701 32: 2022-09-22
54: MOBILE GENERATOR CHARGING SYSTEM AND METHOD
00: -
A system includes a first charger connected to one of an aircraft, a watercraft, and a vehicle having at least one vehicle battery, a second charger connected to an on board battery pack, and at least one programmable logic controller (PLC) to: manage communication between the at least one vehicle battery and the first charger to ensure that the at least one vehicle battery reaches a preset state of charge (SOC), manage communication between the on board battery pack and the second charger to ensure that the on board battery pack reaches the preset SOC, and manage transfer of energy from the on board battery pack to the at least one vehicle battery.



21: 2024/02450. 22: 2024/03/27. 43: 2024/10/01
51: A01K
71: Bohai Seafoods Co., Ltd., Bohai Fisheries Technology (Binzhou) Co., Ltd.
72: CHEN, Mao, ZHANG, Hengzhuang, SHI, Gongmin, ZHANG, Bin, XING, Baokai
33: CN 31: 202311139643.X 32: 2023-09-05
54: METHOD FOR CULTURING PARENT PRAWNS IN HIGH-SALINITY SEAWATER
00: -
Disclosed is a method for culturing parent prawns in high-salinity seawater. The method for culturing parent prawns of the present invention includes: selecting a basic population, preferably selecting parent prawns with strong vitality as backup parent prawns, culturing prawn seeds to a P5 stage in a standardized culture manner, culturing the prawn seeds in water with different degrees of salinity, and adjusting feed components in a nutrition fortification period and a ripening period. According to the present invention, “Guangtai No.1” and “Kehai No.1” are selected as basic populations, are likely to adapt to a culture environment of high-salinity seawater, and are then cultured in stages in test culture ponds with different degrees of salinity, and a parent prawn population that is more suitable for high-salinity water is selected. Feeds vary according to different stages, such that female parent prawns and male parent prawns have better growth and reproduction abilities.

21: 2024/02451. 22: 2024/03/27. 43: 2024/10/01
51: B65G
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: YANG Hui
54: INVENTION RELATES TO ADJUSTABLE STORAGE SHELF AND CONTROL METHOD THEREOF
00: -

The invention discloses an adjustable storage shelf and a control method thereof, belonging to the technical field of shelf, comprising rectangular frame, several layer frame, positioning mechanism and climbing mechanism. A dust-proof structure is arranged between the columns on the same side to prevent external dust from entering the storage shelf. The left and right sides of the layer frame are respectively installed on the two columns on the left and right sides of the rectangular frame by positioning mechanism. The climbing mechanism is installed between the layer frame and the rectangular frame, or between the layer frame and the layer frame, used to drive the height adjustment of each layer frame on the rectangular frame, and realize the height adjustment and positioning support of each layer frame with the positioning mechanism. The invention can realize the automatic adjustment of the height of the layer frame, and the layer frame can stably support the fixed bearing capacity after adjustment.

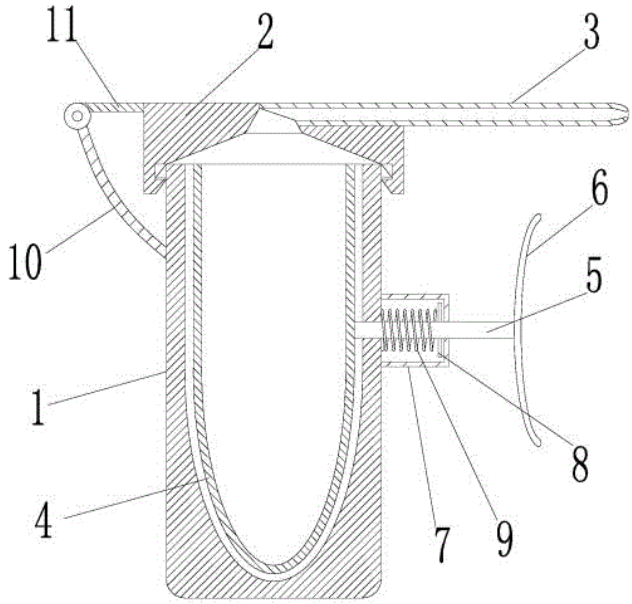


21: 2024/02452. 22: 2024/03/27. 43: 2024/10/01
51: A61B
71: The Affiliated Hospital of Southwest Medical University
72: LIU Hui, FU Yong, GAO Yidan, LIU Lang, LIAO Bin, WAN Juyi, OUYANG Yaling, LIAO Yuanyang, LEI Bi

54: EXTRUSION DEVICE FOR EXTRUDING COUPLING AGENT

00: -

The invention discloses an extrusion device for extruding coupling agent, which is characterized by comprising a cylinder and a cylinder cover, wherein the cylinder cover is installed on the cylinder, and the cylinder cover is provided with an extrusion tube which is communicated with the cylinder; a U-shaped extrusion sheet is arranged in the cylinder, and a transverse compression rod is fixedly arranged on the extrusion sheet, and one end of the compression rod penetrates through the side wall of the cylinder, and an compression handle is fixed at the end. The invention relates to an extrusion device for extruding coupling agent, which can stably and uniformly extrude the coupling agent, saves labor and is convenient to use, and has less coupling agent residue.



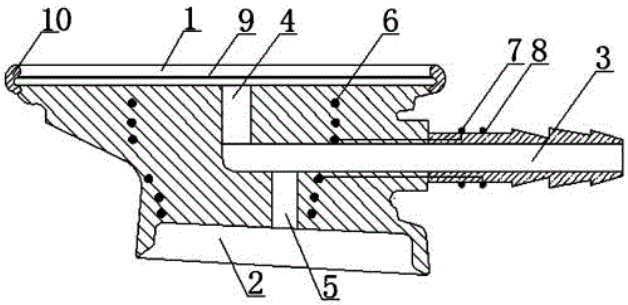
21: 2024/02453. 22: 2024/03/27. 43: 2024/10/01
51: A61B
71: The Affiliated Hospital of Southwest Medical University
72: FU Yong, LIU Hui, LIAO Bin, WAN Juyi, YU Fengxu, NIE Yongmei, GAN Yang, LIAO Ruili, WANG Changyi

54: CHEST PIECE STRUCTURE OF CONSTANT TEMPERATURE STETHOSCOPE CAPABLE OF BLUETOOTH TRANSMISSION

00: -

The invention discloses a chest piece structure of constant temperature stethoscope capable of

Bluetooth transmission, which is provided with a high-frequency sound collection cavity, a low-frequency sound collection cavity and a connector, characterized in that a heating wire is wound on the installation body between the high-frequency sound collection cavity and the low-frequency sound collection cavity, and a first conductive ring and a second conductive ring are also arranged on the pipe wall of the connector; both ends of the heating wire are respectively connected to the first conductive ring and the second conductive ring, and when the Bluetooth auscultation module is connected to the connector, power can be supplied to the heating wire through the first conductive ring and the second conductive ring. The remarkable effect is that: the structure is simple, and it can be connected with a common pipeline ear piece, and can also be connected with a Bluetooth auscultation module to realize wireless transmission of diagnostic signals; at the same time, it can provide certain temperature compensation for the chest piece structure through the heat emitted by the heating wire, which can not only avoid the close contact between doctors and patients, but also avoid the adverse stimulation to patients caused by the low temperature of the chest piece, and is more convenient to use.

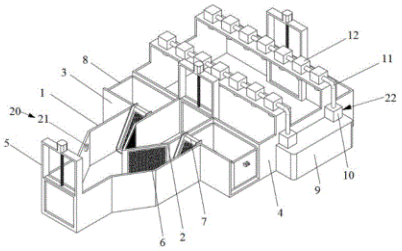


21: 2024/02454. 22: 2024/03/27. 43: 2024/10/01
51: E02B
71: Guizhou Institute of prataculture
72: WEI, Xin, ZENG, Qingfei, WEI, Xingdi, OU, Erling, LI, Yajiao

54: SYSTEM AND METHOD FOR WATER ENVIRONMENT TREATMENT

00: -

Disclosed is a system and method for water environment treatment, including a buffer bin, a filter bin, and a purification bin provided in sequence along the flow direction of water. A front end of the buffer bin, a rear end of the filter bin, and a rear end of the purification bin are each provided with a gate assembly. Garbage storage bins are provided at two sides of the filter bin. A front end of the filter bin is provided with a filter part. Flipping devices are provided on two sides of the rear end of the buffer bin. The purification bin is further communicated with a liquid filling assembly. The buffer bin is further provided with a monitoring assembly. The monitoring assembly and each of the flipping devices are communicatively connected to a control assembly.

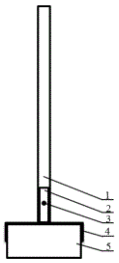


21: 2024/02455. 22: 2024/03/27. 43: 2024/10/01
51: C30B
71: Guangzhou Semiconductor Material Research Institute
72: QUAN, Jiliang, HUANG, Jinqiang, KE, Guanzhen, LIU, Jun, ZHANG, Yali, JIN, Ningchang, GUO, Yongwen, LIU, Ji'an, LI, Handa, HUANG, Guowei
33: CN 31: 202310332864.2 32: 2023-03-31

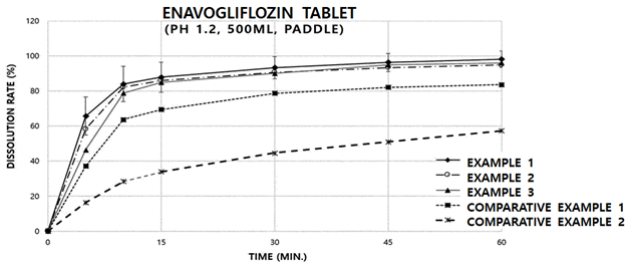
54: METHOD FOR GROWING YAG LASER CRYSTALS BY USING LARGE-INTERFACE SEED CRYSTALS, AND IRIDIUM SEED CRYSTAL ROD

00: -

The present invention relates to the technical field of optoelectronic materials, and provides a method for growing yttrium aluminum garnet (YAG) laser crystals by using large-interface seed crystals, and an iridium seed crystal rod. According to the present invention, the YAG laser crystals are grown by using the large-interface seed crystals, and the diameter of the seed crystals is consistent with the target diameter of the YAG crystals, such that equal diameter growth can be directly performed after pre-stretching without shouldering, the technical difficulty is greatly reduced, a growth cycle of the crystals is shortened, and the growth cost of the YAG laser crystals can be reduced. Furthermore, the present invention strictly controls the growth process, and further ensures that the pre-stretched crystals can directly enter an equal diameter growth stage by controlling proper growth parameters.

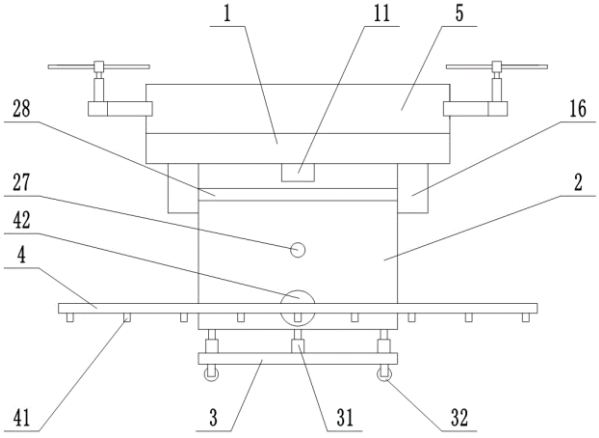


21: 2024/02479. 22: 2024/03/27. 43: 2024/10/01
51: A61K; A61P
71: DAEWOONG PHARMACEUTICAL CO., LTD.
72: HA, Songyi, KIM, Gyoungwon, KIM, Gwanyoung, CHO, Sangeun, HWANG, On, PARK, Minhyung, LEE, Seoyeo, LEE, Heewon, YOUN, Seungbin
33: KR 31: 10-2021-0130239 32: 2021-09-30
54: PHARMACEUTICAL COMPOSITION COMPRISING ENAVOGLIFLOZIN
00: -
The present invention relates to a pharmaceutical composition comprising enavogliflozin, which is a selective inhibitor of sodium-glucose cotransporter 2. A pharmaceutical composition comprising a compound of chemical formula 1 according to the present invention enables implementation of a formulation having excellent content uniformity, formulation uniformity, elution profile, and the like, despite comprising a low dose of a drug.



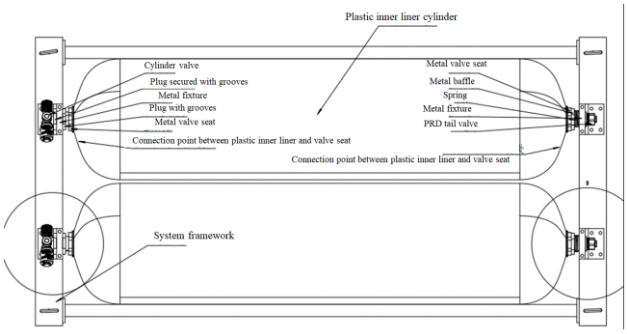
21: 2024/02519. 22: 2024/04/02. 43: 2024/10/03
51: A01G; A01M
71: Shandong Institute of Pomology
72: SUN Xiaoli, TIAN Shoule, SHEN Guangning, WANG Jinping, WANG Hairong

54: INTELLIGENT CHESTNUT PESTICIDE DELIVERY DEVICE AND PESTICIDE DELIVERY METHOD THEREOF
00: -
The invention relates to the technical field of agricultural pesticide spraying, in particular to an intelligent chestnut pesticide delivery device and a pesticide delivery method thereof, comprising a UAV body, wherein the bottom surface of the UAV body is provided with a clamping component which is detachably connected with a plurality of pesticide spraying components, and the bottom of the pesticide spraying component is provided with a buffer component; the pesticide spraying component comprises a pesticide box, wherein the top surface of the pesticide box is fixedly connected with a limiting plate which is detachably connected with the clamping component; an anti-sway part is arranged in the pesticide box; the lower part of one side of the pesticide box is fixedly connected and communicated with a spraying part; a liquid inlet pipe is arranged above the spraying part; the liquid inlet pipe is fixedly connected and communicated with the pesticide box; and a buffer component is arranged at the bottom of the pesticide box. According to the invention, the pesticide box of the UAV body can be quickly replaced through the clamping component, so that tedious manual replacement is avoided, the efficiency of replacing the pesticide box is effectively improved, and the intelligent level of the UAV body is effectively improved.



21: 2024/02521. 22: 2024/04/02. 43: 2024/10/03
51: A61M
71: Sinoma Science & Technology(chengdu)Co., Ltd
72: LI Ming, GUO Yongzhi, LIU Bo, HU Lei, QI Na
54: ELASTIC FIXING METHOD OF HIGH-PRESSURE GASEOUS TYPE IV BOTTLE NECK
00: -
The present invention relates to the technical field of high-pressure gaseous Type IV bottle neck fixing, and discloses an elastic fixing method of a high-pressure gaseous Type IV bottle neck, including: S1:

fixing a bottle neck: constructing a high-pressure Type IV cylinder storage framework to secure the cylinder to a system framework through the bottle neck; S2: reducing framework weight: decreasing a number of cylinder supports in the framework; S3: fixing a bottle tail: employing a spring-loaded mechanism to ensure that the cylinder moves towards an end of the system without tubing during an inflation process; S4: fixing a bottle valve: applying fixed constraints to the bottle valve to prevent any displacement; S5: fixing a connection between a plug and the cylinder: utilizing a fixed structure plug to connect the cylinder and the bottle valve. The present invention employs a displacement-free structure design at the bottle valve end, effectively avoiding the risk of fracture failure in long cylindrical gas cylinders during radial expansion when the cylinder is pressurized. It also eliminates the risk of system pipeline rupture and leakage caused by displacement at the bottle valve end. Additionally, reducing the use of metal clamps and cylinder drag significantly decreases system costs and weight.

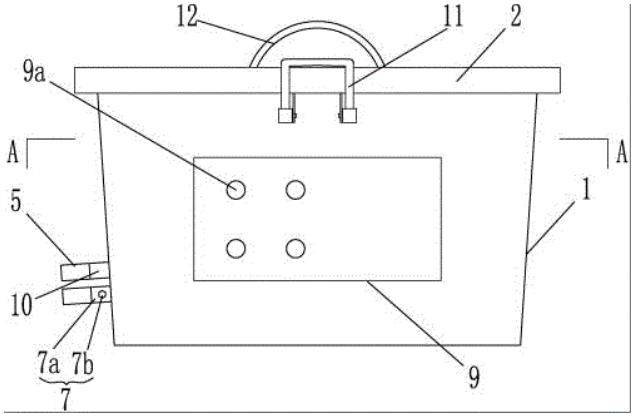


21: 2024/02522. 22: 2024/04/02. 43: 2024/10/03
51: G09B
71: The Affiliated Hospital of Southwest Medical University
72: FU Yong, LIU Hui, LIAO Bin, WAN Juyi, YU Fengxu, NIE Yongmei, GAN Yang, LIAO Ruili, WANG Changyi

54: OPERATION BOX FOR CARDIAC SURGERY SIMULATION TRAINING

00: -

The invention relates to the technical field of cardiac surgery teaching AIDS, in particular to an operation box for cardiac surgery simulation training, which is characterized by comprising a box body and a box cover, where at least three operation holes are arranged on the operation side wall of the box body, and two installation holes are arranged on an adjacent side wall of the operation side wall; a fixed column penetrates through the installation holes; a section of the fixed column located in the box body is sleeved with a clamp; and a locking device is fixed on the outer side wall of the box body, and the locking device is close to the fixed column and locks the fixed column. The operation box for cardiac surgery simulation training can fix the heart in the correct anatomical position, which is convenient for operation. After the operation is completed, the other heart can be directly replaced and the operation exercise can be carried out again, which is simple and convenient. At the same time, the box can simulate the operation of heart surgery under thoracoscope.



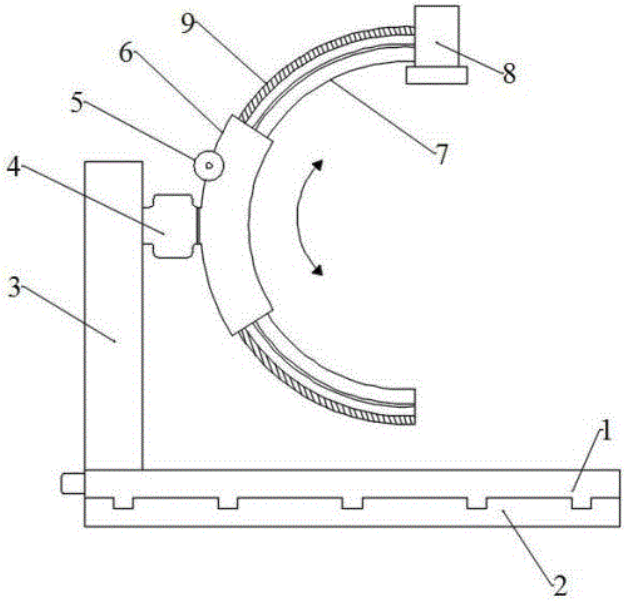
21: 2024/02523. 22: 2024/04/02. 43: 2024/10/03
51: G09B
71: The Affiliated Hospital of Southwest Medical University
72: WAN Juyi, YU Fengxu, NIE Yongmei, GAN Yang, LIAO Ruili, FU Yong, LIU Hui, LIAO Bin, WANG Changyi

54: DEVICE FOR SIMULATING CARDIOVASCULAR INTERVENTIONAL THERAPY

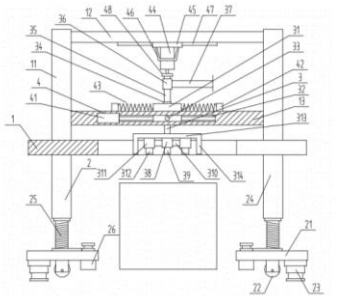
00: -

The invention discloses a device for simulating cardiovascular interventional therapy, wherein a transparent human blood vessel model is arranged on the treatment bed, and a DSA simulation mechanism is arranged on one side of the treatment bed; the DSA simulation mechanism comprises an XY adjusting seat, a lifting column, a rotating seat, an arc seat, a C-arm, a camera assembly, a rotating motor, a lifting motor and a driving motor; the lifting device is installed on the XY adjusting seat, and a

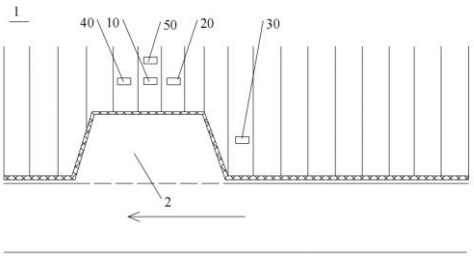
rotating seat is arranged on the sliding lifting column, and the lifting motor drives the rotating seat to lift along the lifting column; the rotating motor is installed inside the rotating seat, and the driving shaft of the rotating motor is connected with one side of the arc seat; the arc seat is provided with a C-arm, and the driving motor drives the C-arm to slide in the arc seat; one end of the C-arm is provided with a camera assembly. The invention realizes the simulation teaching in the laboratory, reduces the radiation injury of doctors in the actual vascular intervention operation, is convenient for operation and practice, and has good practicability.



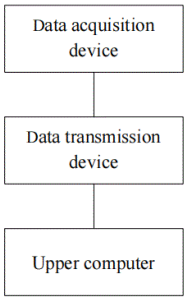
21: 2024/02524. 22: 2024/04/02. 43: 2024/10/03
51: E02D
71: Jiangsu Vocational Institute of Architectural Technology
72: GUO, Yu, MA, Qinghua, WANG, Wei, YU, Mingxu, WANG, Yao
54: CEMENT GROUTING DEVICE
00: -
The present invention discloses a cement grouting device, and relates to the technical field of cement grouting equipment. The cement grouting device includes a bottom plate, wherein a lifting component is arranged at the bottom of the bottom plate, vertical plates are arranged above the bottom plate, a first fixing plate and a second fixing plate are arranged between the two vertical plates, a grouting component is movably arranged on the second fixing plate, the lifting component includes a supporting plate fixedly arranged below the bottom plate, a plurality of moving wheels are arranged at the bottom of the supporting plate, and a plurality of telescopic supporting legs are arranged at the bottom of the supporting plate. The cement grouting device provided by the present invention is capable of grouting at different positions, and the stability of the device in the using process can be ensured.



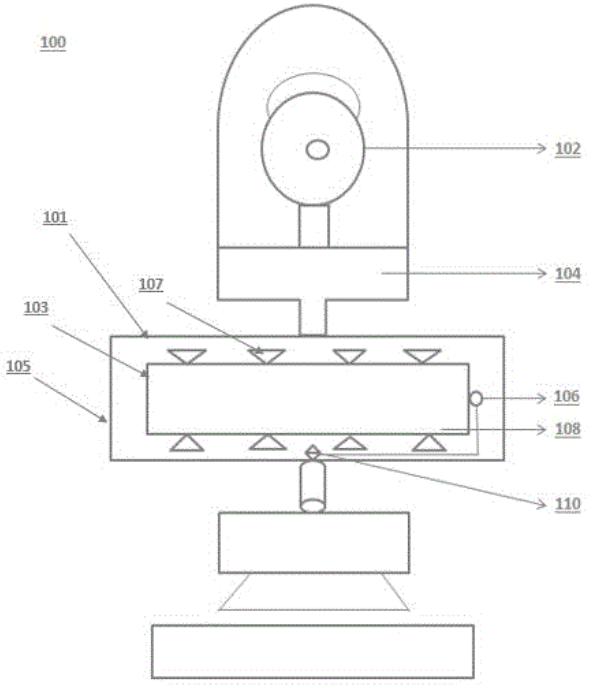
21: 2024/02525. 22: 2024/04/02. 43: 2024/10/03
51: E21F
71: Fuzhou Shun'an Traffic Technology Co., Ltd.
72: LI, Congying, YANG, Yanqun
54: ACCESSORY DEVICE FOR EMERGENCY PARKING STRIP ON HIGHWAY OR IN TUNNEL
00: -
Disclosed is an accessory device for an emergency parking strip on a highway or in a tunnel, including a monitoring component, a lighting component, a warning assembly, an indicating component and a control component. The monitoring component is configured to monitor whether there is a vehicle in the emergency parking strip and to be capable to send out a first signal; the lighting component is configured to light the emergency parking strip; the warning assembly is configured to send out warning information; the indicating component is configured to send out first indicating information or second indicating information that can be acquired by the outside world; and the control component is in communication connection to the monitoring component, the lighting component, the warning assembly and the indicating component, and is capable to receive the first signal and control actions of the lighting component, the warning assembly and the indicating component.



21: 2024/02526. 22: 2024/04/02. 43: 2024/10/03
51: A61B
71: Fuzhou Shun'an Traffic Technology Co., Ltd.
72: LI, Congying, YANG, Yanqun
54: SYSTEM FOR COMPREHENSIVE EVALUATION OF TUNNEL LIGHTING EFFECT
00: -
Disclosed is a system for comprehensive evaluation of a tunnel lighting effect, including a data acquisition device, configured to acquire behavioral indicator changes and physiological indicator changes of a driver in different driving sections in a driving process and to acquire environmental indicator changes of the driver in different driving sections in the driving process; a data transmission device, connected to the data acquisition device and configured to transmit the behavioral indicator changes, the physiological indicator changes and the environmental indicator changes to an upper computer; and the upper computer, connected to the data transmission device and configured to fit a relation curve between the behavioral indicator changes and the physiological indicator changes and the environmental indicator changes, to establish a comprehensive evaluation system, and to determine the tunnel lighting effect through the comprehensive evaluation system.



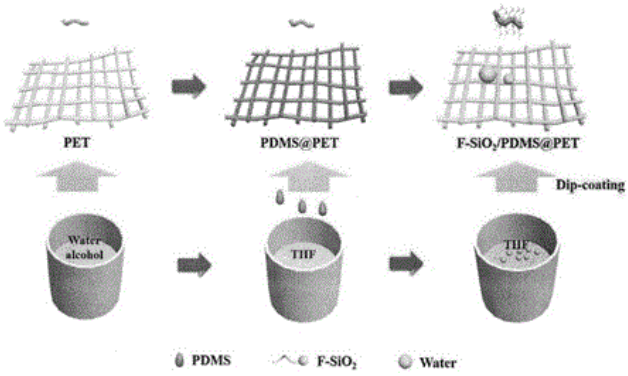
21: 2024/02527. 22: 2024/04/02. 43: 2024/10/03
51: A24F; G10L; H04N
71: Garden City University, Dr. George Vayalil Joseph
72: Dr. George Vayalil Joseph
33: IN 31: 202441013117 32: 2024-02-23
54: AN INTELLIGENT SYSTEM FOR ECO-BURIAL AND METHOD THEREOF
00: -
The burial box system (100) disclosed herein provides an innovative and eco-conscious approach to the interment of deceased individuals. The multi-layered compressible box is designed to facilitate a sustainable and regenerative burial process. It consists of layers accommodating the deceased body (108), nutrient-rich soil (104), and seeds that, when combined with the natural decomposition of the body, foster the growth of vegetation. The system employs one or more springs to control the compression of the burial layers, optimizing the decomposition timeline. An AI-enabled button (106) monitors the decomposition process and sends alerts at the final compressible stage. An actuator (110), responsive to the compression of the burial layers, establishes a connection between a battery and a sensor for alert activation. This burial box system (100) promotes ecological balance, while also providing a means of tracking and signaling the completion of the decomposition process, contributing to sustainable and eco-friendly memorialization practices.



21: 2024/02528. 22: 2024/04/02. 43: 2024/10/03

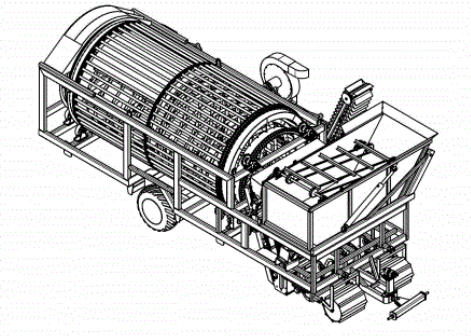
51: A01H
71: Yanbian University
72: LI, Xiangguo, PANG, Donglin, XU, Yapeng, KONG, Linghui, XU, Yimeng
54: CULTURE METHOD FOR IMPROVING VARIOUS GINSENOSIDE CONTENT OF ADVENTITIOUS ROOT OF PANAX GINSENG C.A.MEYER
00: -
Disclosed is a culture method for improving various ginsenoside content of an adventitious root of Panax ginseng C.A.Meyer. In the present invention, nutritional coconut shell powder, abscisic acid, kinetin and ascorbic acid are added in a culture process of the adventitious root of the Panax ginseng C.A.Meyer, such that synthesis of the ginsenosides is promoted. Further, combined with gradient temperature shifting and pH adjusted in a later stage of culture, adversity stress is generated on the adventitious root of the Panax ginseng C.A.Meyer, such that “stress” reaction is generated on the adventitious root of the Panax ginseng C.A.Meyer, contents of ginsenosides Rb1, Rb2, Rb3, Rc and Rd can be significantly increased, contents of Re and Rg1 can be also significantly increased, and a nutritional value of the adventitious root of the Panax ginseng C.A.Meyer is promoted.

21: 2024/02529. 22: 2024/04/02. 43: 2024/10/03
51: D06M
71: HUZHOU COLLEGE
72: CHEN Haifeng, CAO Feng, WANG Yongya, YU Ying, LUO Wenqin, HAO Lifeng
54: INVENTION RELATES TO PREPARATION METHOD OF MODIFIED PET MESH FABRIC
00: -
The invention discloses a preparation method of modified PET mesh fabric. The steps comprise: (1) adding SiO2 nanoparticles into a mixed solution containing ammonia and deionized water to prepare SiO2 suspension A by ultrasonic; Perfluorodecyl triethoxysilane (PFDTES) is added to ethanol to obtain fluorosilane mixed solution B. The F-SiO2 is prepared by adding A drop of suspension A to fluosilane mixed solution B. (2) According to the mass ratio of 10: 1, PDMS and curing agent are weighed, tetrahydrofuran (THF) is added respectively, magnetic stirring for 5 min, and ultrasound is used to obtain solutions a and b; the two solutions a and b are mixed to obtain PDMS solution. After that, the PET mesh fabric is put into PDMS solution for ultrasonic treatment and precured at 70-90°C for 5-15 min to obtain PDMS@PET mesh fabric. (3) F-SiO2 is added to THF and sonicated. The hydrophobic PDMS@PET mesh fabric is immersed twice in the solution containing F-SiO2THF for 10-20 min. The fabric is dried at 70-90°C for 5 minutes and at 70-90°C for 1 hour. (4) By wear resistant agents, antistatic agents, ultraviolet absorber treatment. (5) The modified PET mesh fabric can be obtained by drying and shaping.

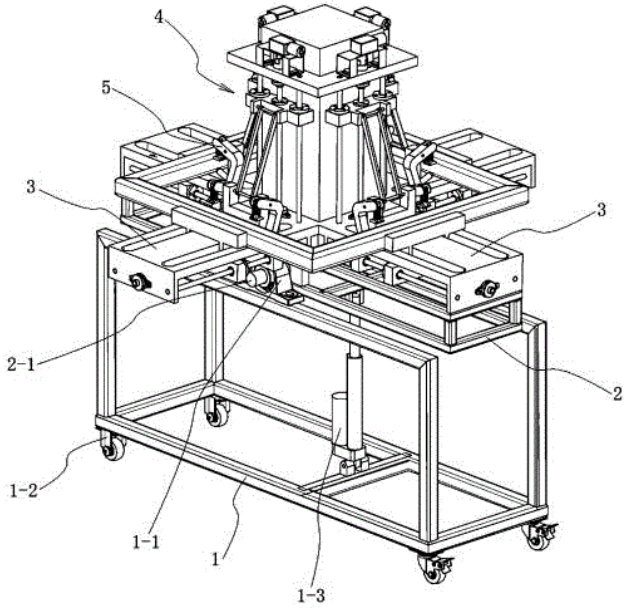


21: 2024/02530. 22: 2024/04/02. 43: 2024/10/03
51: A01D
71: Shihezi University
72: MENG, Hewei, CHEN, Wenhui, HUANG, Lidong, QI, Jiangtao, PENG, Huijie, YANG, Luoyi, GAO, Jianping
33: CN 31: 2023231839436 32: 2023-11-24
54: DOUBLE-LAYER CYLINDER-TYPE TOWED HARVESTER FOR CYPERUS ESCULENTUS L.
00: -
Disclosed is a double-layer cylinder-type towed harvester for Cyperus esculentus L., including a profiling device, a combined excavating device, a scraper conveying device, a threshing and separating unit, a pneumatic cleaning device, a bucket lifting device, a storage bin, a paving device, a walking mechanism, and a machine frame. The machine frame is successively mounted with the profiling device, the combined excavating device, the scraper conveying device, and the threshing and separating unit from front to back. The storage bin is mounted on an upper end of the front portion of machine frame. The pneumatic cleaning device and bucket lifting device are mounted on a side end of machine frame. A discharge end of the combined excavating device is connected to a feed end of the scraper conveying device. A discharge end of the

scraper conveying device is connected to a feed end of the threshing and separating unit.



21: 2024/02531. 22: 2024/04/02. 43: 2024/10/03
51: B23K
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: YANG Hui
54: SIZE-ADJUSTABLE ELECTRIC CLAMPING AUXILIARY WELDING TOOL FOR RECTANGULAR FRAME
00: -
The invention belongs to the technical field of welding tools, in particular to a size-adjustable electric clamping auxiliary welding tool for rectangular frame, which comprises a bracket and a rotating frame erected on the bracket, wherein a rotating mechanism is fixedly installed on the rotating frame, and four groups of outer wall clamping mechanisms are arranged at the top of the rotating mechanism in a cross shape, and an inner wall clamping mechanism is arranged at the center of the four groups of outer wall clamping mechanisms. The invention ensures the clamping stability and reliability of the rectangular frame bar and the welding dimensional accuracy.

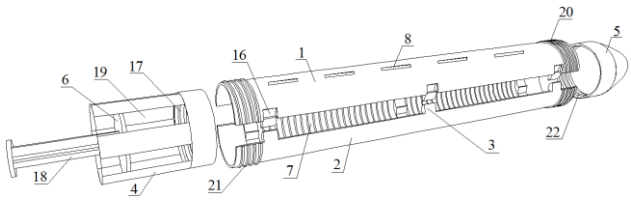


21: 2024/02532. 22: 2024/04/02. 43: 2024/10/03
51: C07K
71: Jinjiang Quanjie Biotechnology Co.,Ltd
72: WANG Quanjie, WENG Yonggen, DUAN Baorong, QIN Jing, DIAO Shen, SONG Jianguo, JI Zhiqiang, CAI Qingyi
54: METHOD FOR PREPARING PROTEIN-BASED SURFACTANTS FROM LEATHER SCRAPS
00: -
The invention discloses a method for preparing protein-based surfactants from leather scraps, which comprises the following steps: hydrolyzing leather scraps by using a hydrolysis method, so that the leather scraps are hydrolyzed from macromolecular protein to a compound polypeptide hydrolysate; the hydrolysate is concentrated by vacuum distillation, which is used as the raw material for preparing protein-based surfactants. Under the action of self-made phase transfer catalyst-compound polypeptide quaternary ammonium salt surfactant, N-laurel, nutmeg, palm and oleoyl compound polypeptide surfactants are prepared by classical Schotten-Baumann condensation reaction with lauroyl chloride, myristyl chloride, palmitoyl chloride and oleoyl chloride with different carbon chain lengths. The problem of environmental pollution caused by tannery wastes is solved, and protein resources are reasonably recovered, and the products obtained have good application prospects.

21: 2024/02533. 22: 2024/04/02. 43: 2024/10/03

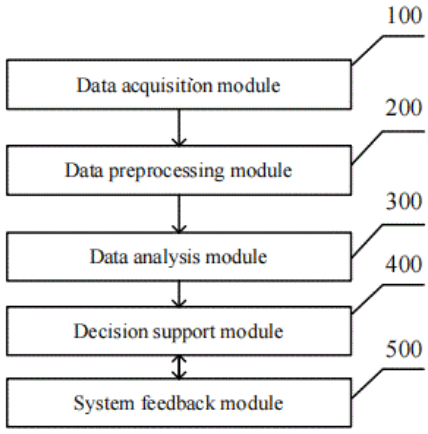
51: B28B
71: Jilin Jianzhu University
72: QIAN Xuesong, ZHANG Yunlong, ZHANG Yunlong, AI Yongming, WANG Jing, MA Lijun, LIU Zhuangzhuang, HUANG Qing
54: PREPARATION AND APPLICATION OF SELF-MONITORING CEMENTITIOUS COMPOSITES FOR BRIDGES
00: -
The invention relates to the preparation and application of a self-monitoring cementitious composite for bridges and relates to the field of concrete technology. The self-sensing cementitious composite of the invention comprises, each cubic metre of self-sensing cementitious composite includes raw materials in the following ratios: 478-479 kg cement, 683-684 kg fly ash, 36 kg silica fume, 0-9 kg carbon black, 0-19.25 kg carbon fibre, 9.2 kg polypropylene fibre, 432 kg machine-made sand, 360-384 kg water, 14.4-18.6 kg water reducing agent, 0.4 -0.45 kg early-strengthening agent, 1.3-1.7 kg retarding agent and 0.6-1.0 kg nanomete titanium nitrider; and the content of carbon black and carbon fibre is not 0. The self-sensing cementitious composite provided by the invention is monolithic and not susceptible to cracks, and at the same time has excellent toughness and durability, and can be widely used in the field of road and bridge collision walls, which can be used as an overall sensor to monitor the overall health of bridges through the anti-collision wall in order to ensure the safety of the structure, and has the positive significance of promoting the high-quality development of the construction industry.

21: 2024/02534. 22: 2024/04/02. 43: 2024/10/03
51: F42B
71: Shaoxing future community development and construction co., ltd, SHAOXING UNIVERSITY
72: CAI Mingcheng, JIANG Ruiwen, WANG Tianzuo, ZHU Chengfeng, HUANG Wenhai, SHOU Feifeng, QIAN Gang, ZHAO Dandan, FU Jiahao, MENG Huabin, JI Bingyao, WANG Jian, XUE Fei, LU Chenhao, KANG Huijun, DING Jiahao
54: POSITION-LIMITING ADJUSTABLE PREFABRICATED BLASTING TUBE AND INSTALLATION METHOD THEREOF
00: -
The invention relates to a position-limiting adjustable prefabricated blasting tube and an installation method thereof. The blasting tube comprises an upper semicircular pipe and a lower semicircular pipe which form the prefabricated blasting tube, and the upper semicircular pipe and the lower semicircular pipe are buckled and connected through a buckle component; the inner side wall of the prefabricated blasting tube is provided with a plurality of limit grooves; the conical cover is sleeved at that front end of the prefabricated blasting tube, and the cage-shaped plugging cover is sleeved at the rear end of the prefabricated blasting tube; a plurality of cylindrical explosives are respectively limited and installed in the prefabricated blasting tube through paired limit rings; plugging stemming is filled in the inner cavity of the cage-shaped plugging cover; the detonating tube and detonating cord are arranged in parallel in the inner cavity of the prefabricated blasting tube. Installation method: pre-assembling the blasting tube in a place with friendly construction environment; on-site blasting installation operation, and squeezing the plugging stemming to escape and adhere to the rock wall, so as to achieve the effect of full sealing. The blasting tube is easy to be prefabricated, and its field installation process is convenient, with high blasting efficiency and good safety factor. The method has simple steps, good environmental protection performance and flexible assembly process.

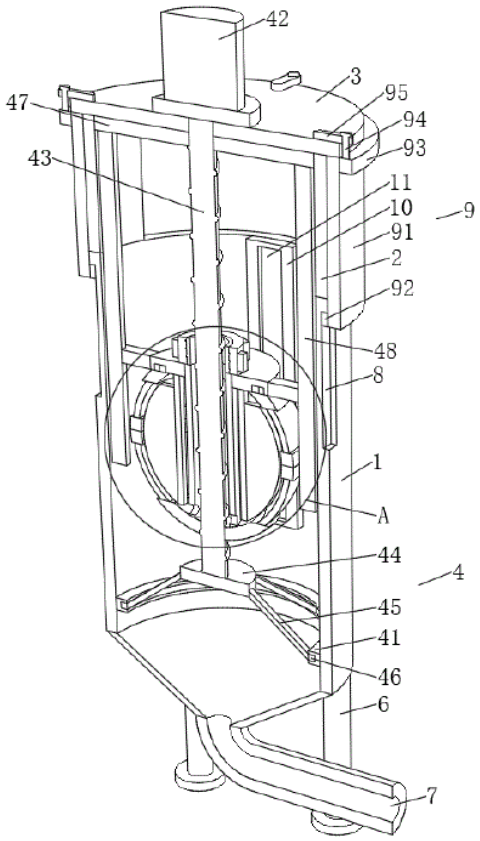


21: 2024/02536. 22: 2024/04/02. 43: 2024/10/03
51: G06Q
71: Henan University of Urban Construction
72: LIU, Changsheng
54: PROCESSING DEVICE FOR BUILDING DATA
00: -
Disclosed is a processing device for building data, which relates to the field of data processing. A data acquisition module acquires original image sets to form standard building image data sets. A data preprocessing module obtains preprocessed standard building image data sets. A data analysis module performs data analysis on the preprocessed standard building image data sets to obtain a difference value. A decision support module

converts an analysis result into a visual report, and determines whether the difference value is within an error range; if so, the visual report is sent; and if not, the visual report and a corresponding difference value elimination report are sent. A system feedback module optimizes and improves the processing device for building data according to the visual report and user feedback. The present invention improves efficiency and sustainability of processing of the building data.

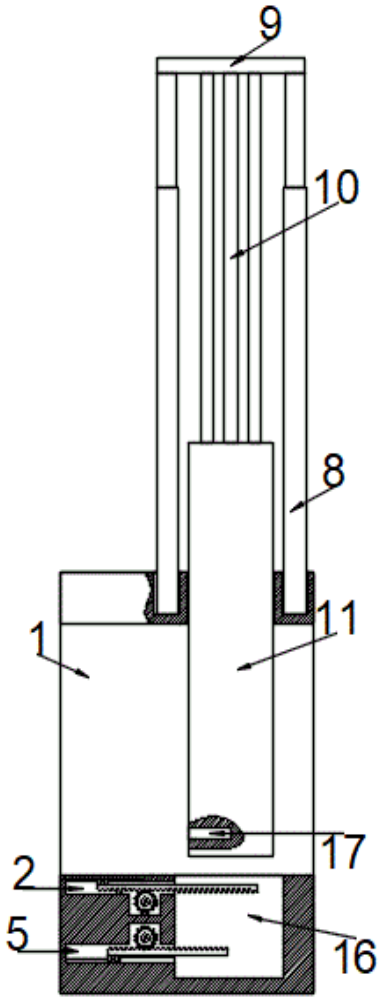


21: 2024/02538. 22: 2024/04/02. 43: 2024/10/03
51: C07D
71: Inner Mongolia Medical University
72: Mengdi ZHANG, Tuya BAI, Qian ZHANG, Yue WU, Xiaoli LV, Jun LI, Yuxia HU, Feng GAO
33: CN 31: 2024101486650 32: 2024-02-02
54: EXTRACTION DEVICE FOR PREPARING QUERCETIN
00: -
The present invention relates to the field of pharmacology, in particular to an extraction device for preparing quercetin. The extraction device for preparing quercetin includes a tank body, where two sides of an upper end of the tank body are fixedly connected to first supporting plates. Upper ends of the two first supporting plates are fixedly connected to a top plate jointly, a driving mechanism is mounted on the top plate, and a storage mechanism is connected to the driving mechanism. A shielding mechanism is mounted on an outer side of the upper end of the tank body, four supporting columns are fixedly connected to a periphery of a lower end of the tank body at equal intervals, a middle part of the lower end of the tank body is fixedly connected to a liquid drainage pipe, and outer walls of upper ends of two sides of the tank body are provided with first sliding grooves. A storage mechanism is mounted in the tank body of the present invention by means of the driving mechanism, when in use, Quercus dentata Thunb. can be stored in the storage mechanism and soaked in a solvent in the tank body, and in the soaking process, the storage mechanism is driven by the driving mechanism. When in use, the storage mechanism can be driven to drive the Quercus dentata Thunb. to move up and down in the solvent, such that components separated from the Quercus dentata Thunb. can be dispersed into the solvent uniformly.



21: 2024/02540. 22: 2024/04/02. 43: 2024/10/03
51: E02B
71: Hohai University
72: Lian Qiuyan, Luan Qinghua, Zhang Weifang, Hu Rongjing, Ma Yanfang, Ji Yongjie, Gu Pengcheng, Sun Lei, Cui Chaoyang
54: LOCKING MECHANISM OF SLUICE BOARD
00: -
The invention discloses a locking mechanism of sluice board, which comprises a sluice main body, and a first gear is rotatably connected to the rear

end face inside a baffle groove; the upper end face of the first gear is engaged with the rack connected to the lower end face of the baffle; a locking rod groove is arranged below the internal baffle groove at the lower part of the sluice main body; the rear end face inside the locking rod groove is rotatably connected with a second gear; the low end face of the second gear is meshed with a rack connected with the upper end face of the locking bar; two hydraulic rods are inserted into the upper end face of the sluice main body; a connecting plate is connected between the two hydraulic rods; the lower end face of the connecting plate is connected with three pulling ropes, and the lower end faces of the three pulling ropes are connected with the upper end face of the sluice board. Compared with the prior art, the invention has the advantages that the locking mechanism of the sluice board provided by the invention can block the clamping groove when the sluice board is opened by arranging the first gear and the baffle, so as to prevent water flow from driving sediment to flow into the clamping groove; setting the second gear and the locking bar can make the locking bar insert into the locking groove after the sluice board is closed to achieve the function of locking the sluice board.



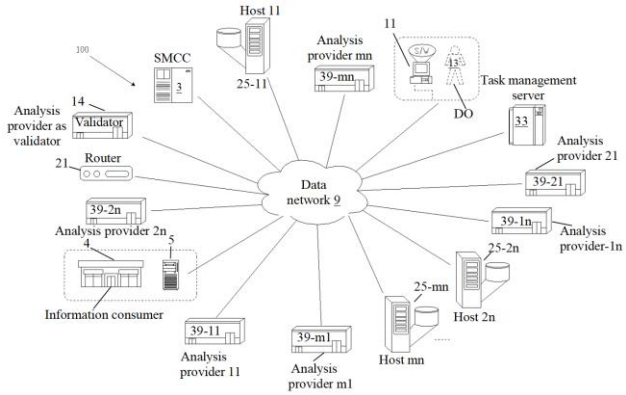
21: 2024/02541. 22: 2024/04/02. 43: 2024/10/03
51: G06F
71: SOUTHWEST UNIVERSITY
72: Zhong Mingyang, Wang Lei, Zhu Lei, Angela Huang, Ma Jingwei, Wen Jiahui, Luo Zhiyong, Zhang Libo, Cui Hao, Xie Linyang, Min Xinren

54: BLOCKCHAIN-BASED SECURITY PROCESSING SYSTEM AND METHOD FOR SENSITIVE DATA

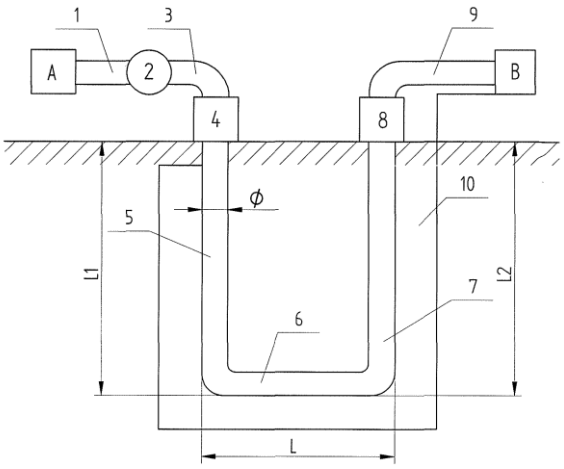
00: -

Disclosed is a blockchain-based security system and processing method for sensitive data. The system includes a data provision module, an information consumption module and a task management sever. The method includes the steps of acquiring an information consumption request from an information consumer; fragmenting sensitive data by an information provider according to the information consumption request to obtain sensitive data fragments, and encrypting the sensitive data fragments, the sensitive data fragments being

insufficient to characterize the identity of a data provider; and compiling analysis results about the sensitive data fragments by the task management sever to obtain an analysis report, and sending the analysis report to the information consumer. According to the present invention, the secondary dissemination and reverse identification of the identify of the information provider can be avoided.

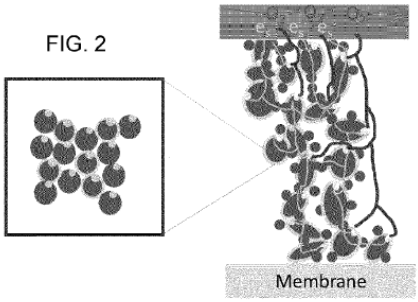


21: 2024/02549. 22: 2024/04/02. 43: 2024/10/04
51: F17D
71: JURASZ, Jerzy, JURASZ, Olga
72: JURASZ, Jerzy, JURASZ, Olga
33: PL 31: P.439371 32: 2021-10-31
54: SYSTEM FOR TRANSPORTING AND STORING, IN PARTICULAR HYDROGEN AND ITS MIXTURES
00: -
The subject of the invention is a system for transporting and storing hydrogen and its mixtures from their supplier to the customer, partially located underground, which is characterized by the fact that it consists of at least two vertically positioned tubular elements (5, 5', 7, 7') connected with each other by a tubular element (6) forming a tubular U-profile, whereby the upper end of the tubular element (5, 5') is connected via a non-retum valve (4), to the tubular element (3) into which the pump (2) pumps hydrogen and/or its mixtures from the tubular element (1) connected to the at least one supplier (A, A') of hydrogen and/or its mixtures, while the upper end of the tubular element (7, 7') is connected via a non-retum valve (8) to the tubular element (9) connected to at least one consumer (B, B') of hydrogen and/or its mixtures, and a heating and cooling device (10) adheres to the outer surfaces of the tubular elements (5, 5', 6, 7, 7', 9), whereby the tubular U-profile is placed below the ground surface, below the permafrost border, and the weight of the upper layer of the earth above the tubular U-profile balances at least the planned gas pressure in the tubular elements (5, 5', 6, 7, 7').

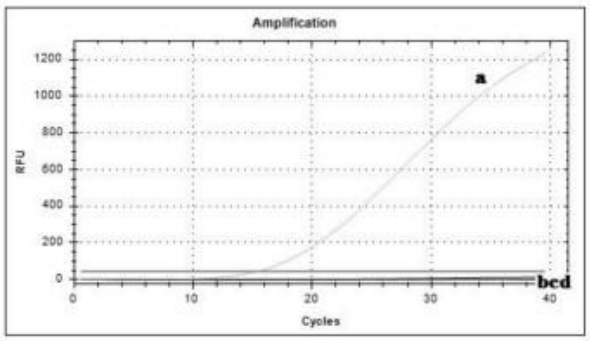


21: 2024/02567. 22: 2024/04/02. 43: 2024/10/04
51: B01J
71: BLUE-O TECHNOLOGY INC
72: RUAN, Hai Xiong, GIRGIS, Emad Azmy Sultan
33: US 31: 63/240,673 32: 2021-09-03
54: HDV READY ELECTROCHEMICAL ELECTRODES WITH NOVEL COMPOSITION, STRUCTURE AND METHOD OF MANUFACTURE
00: -
A novel catalyst layer (CL) composition and structure that provides exceptional durability with sustained catalytic performance for intended heavy duty vehicle (HDV) application. This inventive composition and structure of the CL includes an internal composition composed of binder-coated nanoparticles, binder-free catalyst nanoparticles and orderly electric, ionic, gas and liquid pathways; a multi-layered structure of different packing densities among multiple sublayers; and external patterning of an outer surface of the CL. Extended durability and catalytic performance of the CL is achieved, and through use of the inventive CL, a novel solid-state electroplating process is demonstrated to achieve a novel thin-film coated catalyst product. The binder-coated nanoparticles serve as an interconnection base or site to whose binder-coated surface the uncoated nanoparticles are attached in glue-like fashion, achieving an orderly structure in which binder-free catalyst nanoparticles are consistently

interspersed between binder-coated nanoparticles and agglomerates this.



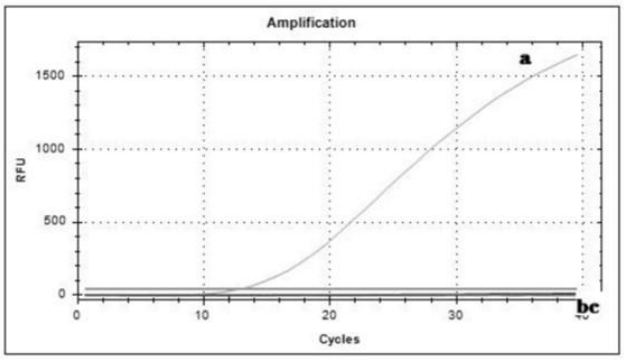
21: 2024/02574. 22: 2024/04/02. 43: 2024/10/04
51: C12Q
71: SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER
72: LI, Youzhi, LIU, Shaoning, LI, Meng, TANG, Wenli, WEI, Maolian, ZHANG, Anyuan
54: RPA DETECTION PRIMER GROUP FOR DRUG RESISTANCE GENE MCR-8, KIT AND METHOD
00: -
The present invention discloses an RPA detection primer group for a polymyxin drug resistance gene mcr-8, and relates to the technical field of molecular biology. The RPA detection primer group includes 1 pair of primers and 1 probe. The present invention further provides a mcr-8 detection kit, a detection method for non-diagnostic treatment objective, and an application of the primer group. According to the present invention, a fluorescence detector having a temperature control function is needed only, and the mcr-8 may be rapidly, sensitively, accurately and conveniently detected in real time at 39℃.



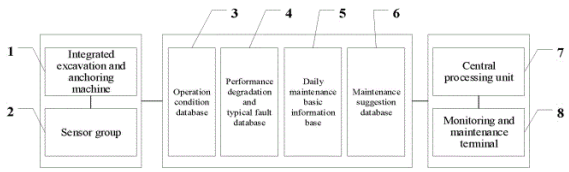
21: 2024/02575. 22: 2024/04/02. 43: 2024/10/04
51: A61K
71: SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER
72: LI, Youzhi, LI, Meng, HOU, Yunfeng, LIU, Shaoning, TANG, Wenli, WEI, Maolian, ZHANG, Anyuan, NIE, Jing
54: RHIZOMA IRIDIS TECTORI ORAL LIQUID FOR TREATING NECROTIC ENTERITIS OF CHICKENS AND PREPARATION METHOD THEREOF
00: -
The present invention belongs to the technical field of veterinary drugs, and particularly relates to a Rhizoma iridis tectori oral liquid for treating necrotic enteritis of chickens and a preparation method thereof. The Rhizoma iridis tectori oral liquid is composed of the following raw materials in parts by weight: 3-5 parts of Rhizoma iridis tectori extract, 1-1.5 parts of Resina ferulae extract, 0.05-0.08 part of potassium sorbate and 0.03-0.05 part of sodium hydrogen sulfite. The oral liquid prepared in the present invention achieves a synergistic effect among active ingredients, is high in cure rate, safe and green, can increase immunity of livestock and poultry and has few drug residues. Content and types of the active ingredients in Rhizoma iridis tectori are increased in a bioenzyme extraction manner; wild resources can be effectively utilized; and the oral liquid is a green path of development of traditional Chinese medicinal materials.

21: 2024/02576. 22: 2024/04/02. 43: 2024/10/04
51: C12N; C12Q
71: SHANDONG PROVINCE FEED VETERINARY DRUG QUALITY INSPECTION CENTER
72: LI, Youzhi, LI, Meng, LIU, Shaoning, WEI, Maolian, ZHANG, Anyuan, TANG, Wenli
54: RPA DETECTION PRIMER GROUP FOR SUPER-BACTERIAL DRUG RESISTANCE GENE NDM-1, KIT AND METHOD
00: -
The present invention discloses an RPA detection primer group for a super-bacterial drug resistance gene NDM-1, a kit and a method, and relates to the technical field of molecular biology. The RPA detection primer group includes 1 pair of primers and 1 probe. The present invention further provides a detection kit, a detection method for non-diagnostic treatment, and an application of the primer group. According to the present invention, a fluorescence detector having a temperature control function is needed only, and the NDM-1 may be rapidly,

sensitively, accurately and conveniently detected in real time at 39℃.



21: 2024/02577. 22: 2024/04/03. 43: 2024/10/04
51: G06F
71: Taiyuan University of Technology
72: LIU, Feng, WANG, Hongwei, CHEN, Long, WANG, Hongli, GENG, Yide, GUAN, Shengyu
54: MONITORING SYSTEM FOR INTEGRATED EXCAVATION AND ANCHORING MACHINE BASED ON DIGITAL TWIN TECHNOLOGY
00: -
The present invention discloses a monitoring system for an integrated excavation and anchoring machine based on digital twin technology, relates to the technical field of integrated excavation and anchoring machines, and includes a physical body of an integrated excavation and anchoring machine, a sensor group, an operation condition database, a performance degradation and typical fault database, a daily maintenance basic information base, a maintenance suggestion database, a central processing unit, and a monitoring and maintenance terminal. The central processing unit is configured to construct a digital twin model of the physical body of the integrated excavation and anchoring machine, and train a performance degradation model of a twin body and a fault diagnosis and prediction model. The monitoring and maintenance terminal is configured to display running data and generate warning information and maintenance suggestions when a fault of the physical body of the integrated excavation and anchoring machine is predicted.

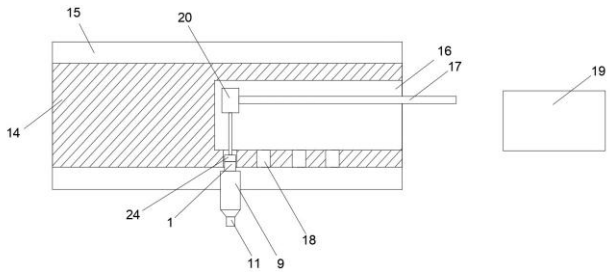


21: 2024/02578. 22: 2024/04/03. 43: 2024/10/04
51: A61K
71: Chongqing Chemical Industry Vocational College, Xiangyang Central Hospital, Affiliated Hospital of Hubei University of Arts and Science, Chongqing Yaoxiaoge Pharmaceutical Technology Co., Ltd.
72: Yuanzhong WANG, Guiju CHEN, Ronghao ZHANG, Xi ZHA, Yihao ZHOU, Rexidan BAIKERI
54: ANTI-OSTEOPOROSIS AND ANTI-OSTEOARTHRITIS TRADITIONAL CHINESE MEDICION COMPOSITION
00: -
The present invention belongs to the medical field, and specifically relates to an anti-osteoporosis and anti-osteoarthritis traditional Chinese medicine (TCM) composition, including 15-25 parts of yak bone glue, 8-12 parts of donkey-hide gelatin, and 8-12 parts of Rhizoma Polygonati. According to the TCM theory of treatment individualized to patient, season and locality, there is a synergistic effect among yak bone glue, donkey-hide gelatin and Rhizoma Polygonati, which can enhance their respective efficacy and improve the overall therapeutic effect. With the blood-tonifying and nourishing effect of donkey-hide gelatin and Rhizoma Polygonati, the present invention can better relieve pain symptoms in treating diseases such as osteoarthritis. The effects of donkey-hide gelatin and Rhizoma Polygonati are helpful to regulate qi and blood, so as to relieve anemia and fatigue caused by deficiency of qi and blood.

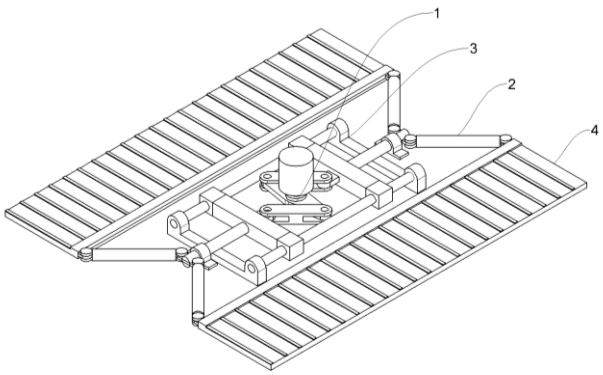
21: 2024/02580. 22: 2024/04/03. 43: 2024/10/04
51: A01K
71: Northwest A&F University
72: Wang Lixin, Mo Haolin, Yu Huixia, Yu Jiajia, Chen Yongqing, Liu Kexin
33: CN 31: 2024102696622 32: 2024-03-11
54: AN INTELECTIN, ITS ENCODING GENES, AND APPLICATIONS DERIVED FROM ANDRIAS DAVIDIANUS
00: -
This invention discloses an intelectin, its encoding genes, and applications derived from Andrias davidianus, belonging to the field of molecular biology technology. The amino acid sequence of the intelectin is shown as SEQ ID NO.1. The invention found that the intelectin from Andrias davidianus can significantly agglutinate bacteria and promote the

phagocytic activity of macrophages against bacteria. It can serve as a potential candidate immunostimulant for Andrias davidianus to resist pathogenic infections, providing new insights and effective options for the immune prevention and control of Andrias davidianus.

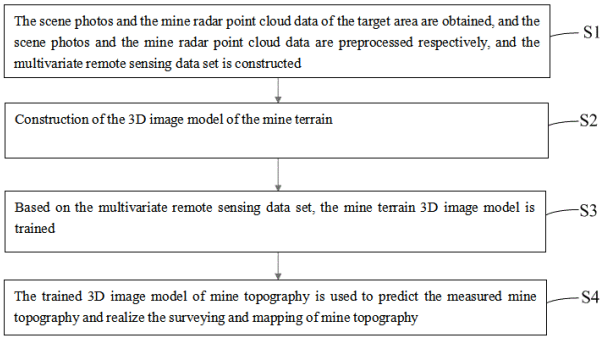
21: 2024/02581. 22: 2024/04/03. 43: 2024/10/04
51: A61C
71: Hainan Medical University
72: Zhuling GUO, Qing YUAN, Haiyan CHEN, Xuejing LIN, Jie ZHOU, Yulei DONG, Siyu TAO, Song YANG, Meiyan ZHOU, Zhongyu SHI
33: CN 31: 2023103864550 32: 2023-04-11
54: DENTAL IMPLANTATION DEVICE FOR ORAL SURGERY
00: -
Disclosed is a dental implantation device for an oral surgery, including an accommodating assembly, where a driving mechanism is arranged in the accommodating assembly and can move up and down relative to the accommodating assembly; a rotating plate fixedly connected to the driving mechanism is arranged at an output end of the driving mechanism; a plurality of first connecting pieces with elasticity and arc-shaped sections are arranged at a bottom of the rotating plate; a rod body fixedly connected to the first connecting pieces is arranged at bottoms of the first connecting pieces; a positioning drill bit is arranged at a bottom of the rod body; a first annular bag body fixedly connected to the rod body is arranged at a periphery of the rod body; and an elastic tube fixedly connected to the rod body and having a corrugated section is arranged at a top of the rod body. The device can implement the separate use of the positioning drill bit and a plurality of reamer bits in a coaxial state under the action of a single rotating component, can implement the coaxial operation and the process of lowering a positioning drill and a plurality of reamers in sequence for operation during jawbone drilling positioning and reaming, reduces the operation time and error, and achieves the continuity of a surgical operation.



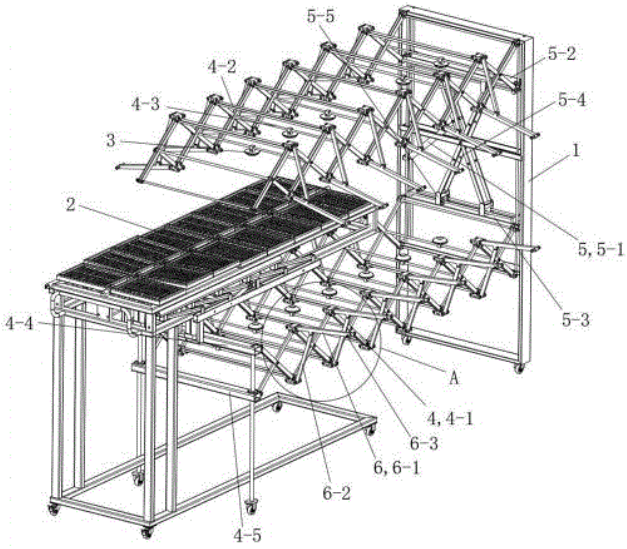
21: 2024/02582. 22: 2024/04/03. 43: 2024/10/04
51: B63B
71: Binzhou Polytechnic
72: ZHAO Zhiqiang, BI Yanliang, ZHAI Wei, YU Mengmeng, WANG Zhen
54: SHIP ANTI-ROLLING DEVICE AND SHIP
00: -
The invention belongs to the technical field of ship manufacturing, in particular to a ship anti-rolling device and a ship. The ship comprises a driving structure, wherein the driving structure is arranged on the inner side of the ship; the driving structure is connected with a wingspan structure in a transmission way through a transmission arm structure; slots are respectively formed on both sides of the ship; the wingspan structure is connected with the inner side of the slot in a sliding way; the inner side of the ship is fixedly connected with a limiting structure; and the transmission arm structure and the limiting structure slide in a limiting way; the driving structure comprises a driving rotating plate, and a rotating shaft is arranged on the driving rotating plate, one end of the rotating shaft is rotatably connected with the inner side of a ship, and the other end of the rotating shaft is connected with a driving part in a transmission way; two ends of the driving rotating plate are rotatably connected with one end of a connecting transmission rod, and the two connecting transmission rods are arranged in parallel, and the other end of the connecting transmission rod is in transmission connection with the transmission arm structure; and the ship is provided with a control system which is electrically connected with the driving part.



21: 2024/02583. 22: 2024/04/03. 43: 2024/10/04
51: G01C
71: ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY
72: XIE Shicheng, YU Xuexiang
54: MINE TERRAIN SURVEYING METHOD AND SYSTEM BASED ON MULTI-SOURCE DATA
00: -
The invention discloses a mine terrain surveying method and system based on multi-source data, which comprises the following steps: obtaining scene photos and mine radar point cloud data of the target area, preprocessing scene photos and mine radar point cloud data respectively, and constructing multi-source remote sensing data set; construction of the 3D image model of the mine terrain; based on multi-source remote sensing data set, the 3D image model of the mine terrain is trained; the trained 3D image model of the mine terrain is used to predict the measured mine topography and realize the surveying and mapping of mine topography. The invention realizes accurate measurement of mine topography.

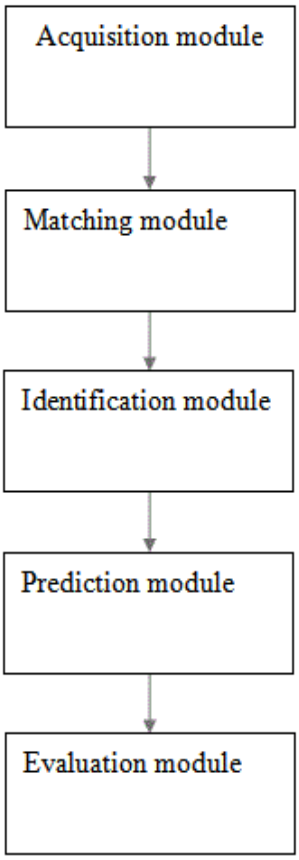


21: 2024/02584. 22: 2024/04/03. 43: 2024/10/04
51: A47K
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: YANG Hui
54: BATHING DEVICE FOR BEDRIDDEN PATIENTS
00: -
The invention discloses a bathing device for bedridden patients, which comprises a bath rack, a movable bedstead, a spray head and a power mechanism; the bath rack is provided with a bathing area into which the movable bedstead extends; the spray head is arranged on the power mechanism; the power mechanism is used to drive the spray head to move into the bathing area; the nozzle is unfolded or reset along with the movement of the power mechanism. According to the invention, the bedridden patient can be washed, so that the patient is no longer difficult to bathe, the use is very convenient, the labor intensity of medical staff is reduced, and the nozzle can be accommodated.



21: 2024/02585. 22: 2024/04/03. 43: 2024/10/04
51: G08B
71: ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY
72: HAN Yuchen, YU Xuexiang
54: MOUNTAIN GEOLOGICAL DISASTER MONITORING SYSTEM BASED ON REMOTE SENSING IMAGES
00: -
The invention discloses a mountain geological disaster monitoring system based on remote sensing image, which comprises the following steps: the acquisition module is used to obtain high-resolution optical remote sensing image and temporal INSAR deformation monitoring data of the mountain

monitoring range; the matching module is used for image registration, image segmentation and feature extraction of the acquired data, and forms the data set of geological hazards and deformation in mountainous areas. The identification module is used to input the matching data into the identification model of geological disaster-prone regions to obtain geological disaster-prone regions. The prediction module is used to input the monitoring data of the region prone to geological disasters into the prediction model to predict the surface deformation of the region prone to geological disasters and obtain the possible disasters. The evaluation module is used to quantify the occurrence probability, possible influence range and potential loss degree of disasters and generate evaluation results. The invention realizes accurate measurement of geological hazards in mountainous areas.

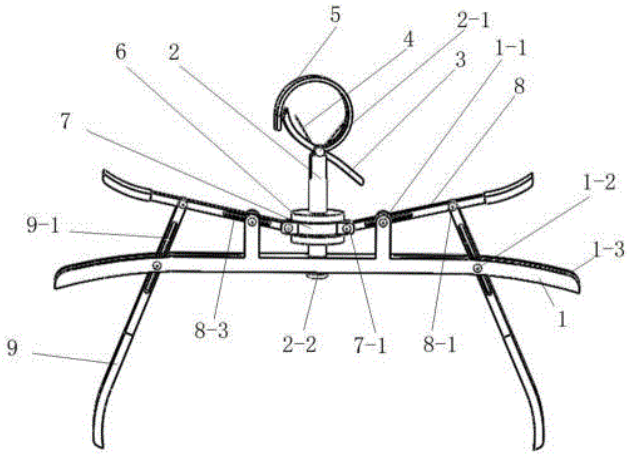


21: 2024/02586. 22: 2024/04/03. 43: 2024/10/04
51: A47G
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong

54: ADJUSTABLE SAFETY CLOTHES HANGER WITH COLLAR COMPRESSING FUNCTION

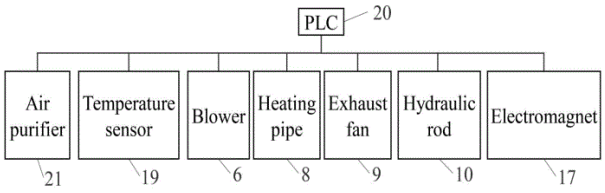
00: -

The invention discloses an adjustable safety clothes hanger with collar pressing function, which comprises a hanger main frame, a support column, a hook part, a lifting part, a pressing plate and an expansion support rod, where the upper end of the support column is connected with the hook part, and the lower end is connected with the hanger main frame; two sides of the connection position are provided with a first hinge part, two sides of the first hinge part are provided with a second hinge part, and the expansion support rod is provided with a first long slot. The expansion support rod is hinged to the hanger main frame at the second hinge part through the first long slot, the inner end of the pressing plate and the lifting part are hinged to the fourth hinge part, the lifting part can move along the support column, the pressing plate is provided with the second long slot, the pressing plate is hinged to the hanger main frame at the first hinge part through the second long slot, the pressing plate outside the second long slot is provided with the third hinge part, and the expansion support rod and the pressing plate are hinged to the third hinge part. The invention realizes the synchronous operation of the collar pressing function and the clothes spreading function, and can simultaneously press the collar and spread the clothes only by rotating the retaining ring.

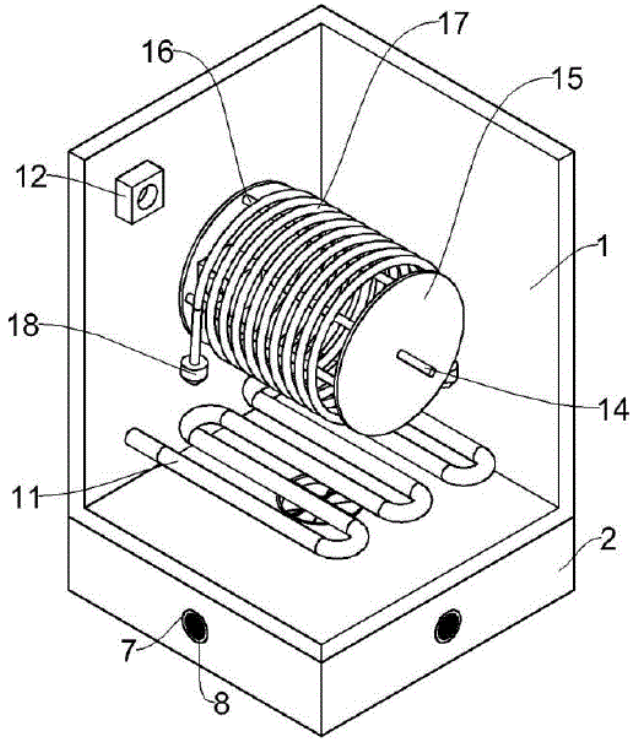


21: 2024/02588. 22: 2024/04/03. 43: 2024/10/04
51: B01D
71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural

Sciences, ANCHEE(SHANDONG) ACADEMY OF ANIMAL NUTRITION Co.LTD
72: GUO Jianfeng, DU Yushi, LIU Xiaohui, ZHAO Xueyan, LIN Haichao, WANG Huaizhong
54: AIR PURIFICATION DEVICE FOR PIGSTY
00: -
The invention discloses an air purification device for a pigsty, which comprises an air supply mechanism and an air outlet mechanism, where a plurality of groups of the air supply mechanisms are respectively installed in ventilation channels at two sides of the pigsty, a plurality of groups of the air outlet mechanisms are installed in the ventilation channels at the top end of the pigsty, the top end of the pigsty is also connected with a shielding mechanism, the outer side of the pigsty is also connected with a rotating mechanism, and the rotating mechanism is arranged above the ventilation channels of the pigsty, and an air purifier is also installed in the inner cavity of the pigsty. The air supply mechanism comprises a blower, a connecting plate and a heating pipe, where the blower is installed on the inner wall of the ventilation channel of the pigsty through screws; the side surface of the blower is connected with the connecting plate through transverse bolts; the transverse section of the connecting plate is set in an I-shape; and a plurality of groups of heating pipes are bonded between the transverse parts of the other two groups of connecting plates. The air purification device for the pigsty can not only accelerate the air circulation and purify the air, but also protect and shelter the pigsty.



21: 2024/02589. 22: 2024/04/03. 43: 2024/10/04
51: B60L
71: Binzhou Polytechnic
72: BI Yanliang, ZHAO Zhiqiang, ZHAI Wei, ZONG Yonggang, MA Lili, LU Baocheng, ZHANG Lei
54: NOVEL SHIP CHARGING EQUIPMENT
00: -
The invention belongs to the technical field of charging equipment, in particular relates to a novel type of ship charging equipment, comprising a shell, the outer bottom end of the shell is fixed connected with a bottom groove, the four side walls of the bottom groove are fixed connected with a filtration moisture-proof part, the bottom wall of the shell is provided with an air inlet part, and the shell is communicated with the bottom groove through the air inlet part, the side wall of the shell is rotating-connected with a side door, and the top wall of the shell is fixed with a one-way filter part. A heating coil is fixed at the bottom of the inner shell, and the heating coil is located directly above the air inlet part. A winding mechanism is arranged above the heating coil, and the winding mechanism is fixed with the inner wall of the shell, the external power plug is fixed on the inner side wall of the housing and the external power plug is fixed with the external AC power plug. The invention can solve the problem of low operating efficiency caused by carrying a large number of batteries on an electric ship.



21: 2024/02591. 22: 2024/04/03. 43: 2024/10/04
51: C12G
71: Shanweidao (Shenzhen) Health Technology Co., Ltd.
72: Mingyue Zhao, Lingsheng Xu, Junquan Zhang, Xiaomei Huang, Zhengying Cui
33: CN 31: 2023112421513 32: 2023-09-25

54: A TONIC AND HEALTH-CARE MEDICINAL LIQUOR AND A PREPARATION METHOD THEREOF

00: -

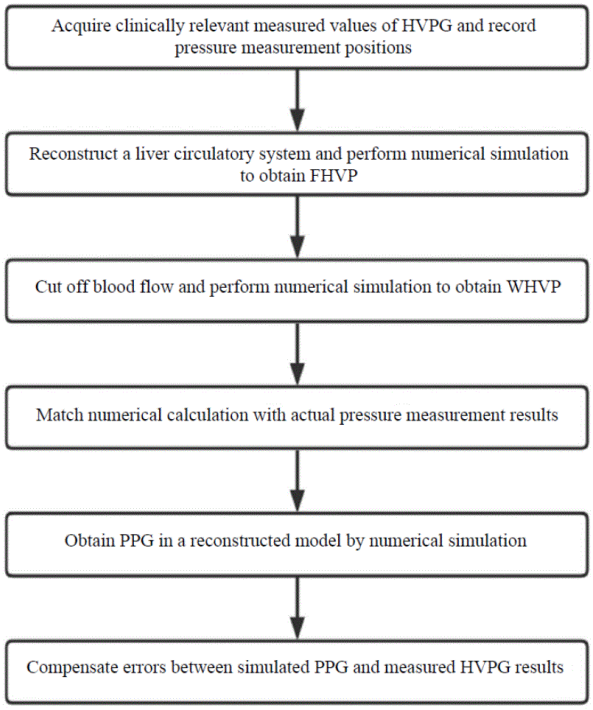
A tonic and health-care medicinal liquor, the raw materials for its preparation comprises Cornu Cervi Pantotrichum, Cordyceps, Penis et Testis Canis, Radix et Rhizoma Notoginseng, Lithocarpus pachylepis, seed kernel of Quercus fleuryi, Rhizoma Polygonati, Arillus Longan, Fructus Lycii, Zizyphus jujuba, etc. and Kunsha liquor, the invention fully dissolves the effective components of various traditional Chinese medicine ingredients in Chinese Baijiu and allows them to exert a synergistic effect, it can achieve the effects of warming the kidneys and strengthening yang, nourishing the liver and kidneys, replenishing qi and nourishing blood, nourishing yin and nourishing the lungs, soothing the nerves and calming the mind, prolonging life and keeping healthy, drinking it can strengthen muscles and bones, improve immunity, eliminate fatigue, replenish deficiency and strengthen the body, and the appropriate drinking can achieve health care effects. In addition, during the preparation process of the medicinal liquor, the medicinal liquor soaked in Chinese medicine is exposed to sunlight for daylighting, which can significantly reduce the medicinal taste of the medicinal liquor, or even have no obvious medicinal taste, and has a brandy fruity aroma, and the taste is significantly improved.

21: 2024/02593. 22: 2024/04/03. 43: 2024/10/04
51: A61B; G06F; G06T
71: Huaxi Jingchuang Medical Technology (Chengdu) Co., Ltd.
72: ZHANG, Tailue, LEI, Jianguo
33: CN 31: 202310811959.2 32: 2023-07-04

54: ERROR COMPENSATION METHOD FOR HVPG MEASUREMENT OF PORTAL HYPERTENSION PRESSURE GRADIENT

00: -

The present invention provides an error compensation method for hepatic venous pressure gradient (HVPG) measurement of a portal hypertension (PH) pressure gradient in the technical field of portal pressure gradient (PPG) measurement, which solves the objective error problem existing in the existing methods. The method includes the following steps: measuring free hepatic venous pressure (FHVP) and wedged hepatic venous pressure (WHVP) of a patient; constructing models of a liver circulatory system; obtaining a simulated FHVP value corresponding to the FHVP and a simulated WHVP value corresponding to the WHVP through numerical simulation; adjusting boundary conditions and parameter values of the models to correspondingly match various measured values with various simulated values; obtaining a theoretical value corresponding to the PPG through numerical simulation; and performing, according to the theoretical value obtained in the simulation process, error compensation on measured HVPG results in the actual clinical HVPG measurement process.



21: 2024/02594. 22: 2024/04/03. 43: 2024/10/04
51: C01G
71: GUANGXI NORMAL UNIVERSITY FOR NATIONALITIES
72: LI, Zhibao, LU, Zhenlan, XU, Zujin, TANG, Silong, ZHOU, Funeng

54: A PREPARATION PROCESS FOR IRON SACCHARATE OF IRON SUPPLEMENTS

00: -

The present invention discloses a preparation method for iron saccharate. The method includes: firstly alkalizing sucrose with sodium hydroxide, then adding ferric chloride and sodium hydroxide dropwise to have a complexation reaction, then

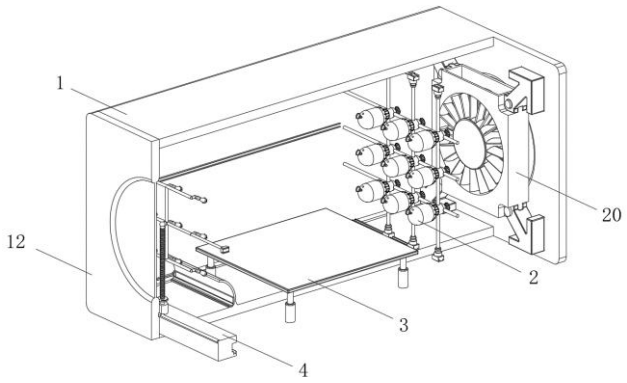
desalting and concentrating the iron saccharate complexing solution with a nanofiltration membrane, and finally conducting microfiltration and sterilization to obtain the iron saccharate product, which can be used as an iron supplement.

21: 2024/02595. 22: 2024/04/03. 43: 2024/10/04
51: G01N
71: Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences
72: Yu Xiangxiang, Wang Haifeng, Fan Jinglong, Li Shengyu
33: CN 31: 202410279077.0 32: 2024-03-12

54: BLOWN SAND ENVIRONMENT SIMULATION TEST BENCH AND APPLICATION THEREOF

00: -

The invention discloses a blown sand environment simulation test bench and its application, which relates to the technical field of blown sand environment simulation experiments, and the blown sand environment simulation test bench comprises a box body, wherein the box body is provided with a transparent cover, and the transparent cover covers a half shell of the box body; the front and rear ends of the box body are screwed with sand filter screen plates, and the middle part of the sand filter screen plate is fixedly provided with a circular sand filter screen. By automatically guiding the sand contained in the sand tank into the small magnetic valve pipe and the large magnetic valve pipe, the blown sand component can keep the continuous output of sand from the magnetic valve pipe structure in the presence of sand, without interruption, so that the sand can finally flow out of the sand tank without producing sand residue, avoiding the problem of manually cleaning the residual sand in the sand tank and facilitating the change of sand in the blown sand environment simulation experiment.



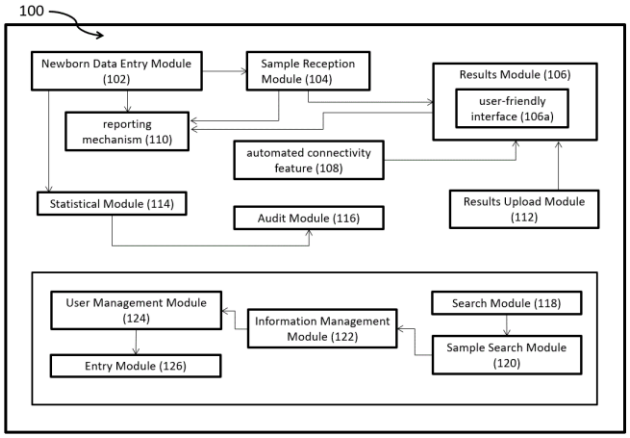
21: 2024/02596. 22: 2024/04/03. 43: 2024/10/04
51: G01N
71: Midori Valeria Sawada Tsukame, Hospital San Juan de Dios, Claudio Alberto Ruff Escobar, Universidad Bernardo O'Higgins, Ricardo Francisco Garcés Lagos, Pedro Pablo Gabriel Lobo Sotomayor, Susana del Carmen Valdebenito Alcaíno, Carmen Gloria Berríos Durán, Ximena Andrea Espinoza Raglianti, Viviana Elizabeth Ortega Balbi, Eliana Pizarro Ibarra, José Tomás Doña Vial, Felipe Gonzalo Rosales Lillo
72: Midori Valeria Sawada Tsukame, Claudio Alberto Ruff Escobar, Ricardo Francisco Garcés Lagos, Pedro Pablo Gabriel Lobo Sotomayor, Susana del Carmen Valdebenito Alcaíno, Carmen Gloria Berríos Durán, Ximena Andrea Espinoza Raglianti, Viviana Elizabeth Ortega Balbi, Eliana Pizarro Ibarra, José Tomás Doña Vial, Felipe Gonzalo Rosales Lillo

54: SYSTEM AND METHOD FOR MANAGEMENT OF INFORMATION ON LABORATORY TESTS IN NEONATAL SCREENING

00: -

The present invention pertains to a computer-implemented software system designed for the meticulous management and analysis of biochemical information obtained from neonatal tests, focusing on the early detection of congenital hypothyroidism and phenylketonuria. Implemented using advanced technologies such as Java 1.8, PrimeFaces 6.1 (JSF 2.2), and MySQL 5 x on GlassFish 4.1.1, the software streamlines the neonatal screening process by incorporating modules for efficient data entry, sample reception, and results analysis. Key features include automated connectivity to auto-analyzer equipment, real-time reporting aligned with management indicators, and a robust auditing mechanism capturing essential details for accountability. The software system's versatility extends to statistical analysis, audit capabilities, and

additional services, fostering enhanced traceability, accuracy, and efficiency in neonatal healthcare.



21: 2024/02610. 22: 2024/04/04. 43: 2024/10/04
51: G02B
71: MARCUS, Dean Shane
72: MARCUS, Dean Shane
33: ZA 31: 2023/00227 32: 2023-01-05
54: POWER PACK
00: -
A power pack which includes a concrete body which is formed in a volume between concentric inner and outer metallic sleeves and between opposed closures which are fixed to rims of the sleeves and a battery assembly which is inside a volume inside the inner sleeve.

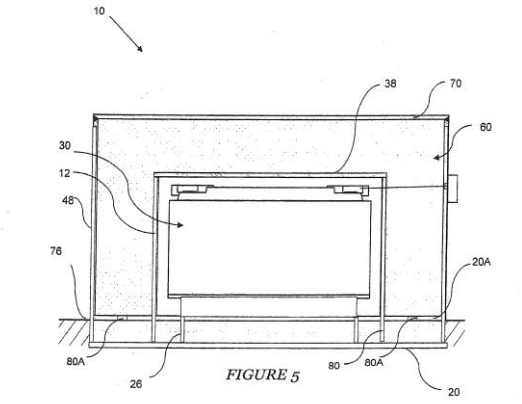


FIGURE 5

21: 2024/02640. 22: 2024/04/05. 43: 2024/10/08
51: H01F; H01H
71: AZOTEQ HOLDINGS LIMITED
72: BRUWER, Frederick Johannes, RADEMEYER, Daniel Barend
33: ZA 31: 2023/04975 32: 2023-05-05
54: INDUCTIVE USER INTERFACE SYSTEM FOR ROTATIONAL MOVEMENT
00: -
An inductive mechanism is used to replace a rheostat in a joystick to facilitate measurement of joystick displacement resulting from user actuation.

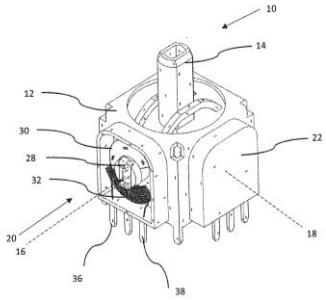
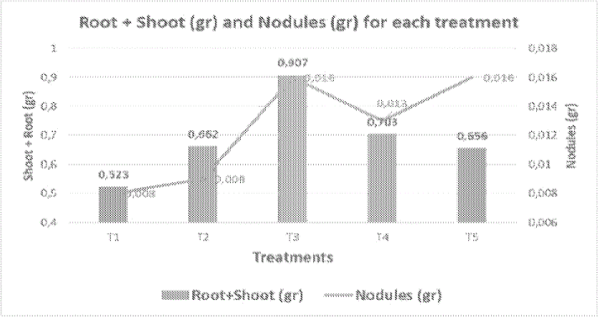


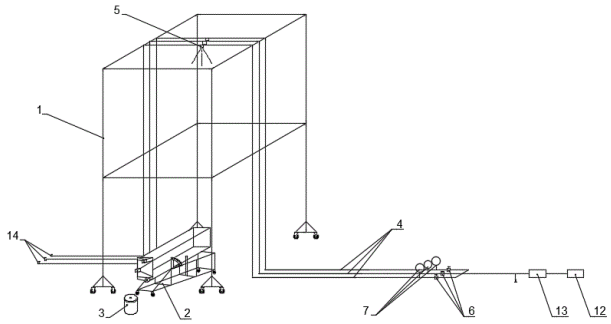
Fig 1: Joystick isometric view

21: 2024/02646. 22: 2024/04/05. 43: 2024/10/08
51: A01C; A01N; C05F
71: PRO FARM GROUP, INC.
72: VIRTA, Kalle, VASAR, Virge, PIERONI, Sergio, PATHAK, Pankaj
33: US 31: 63/244,877 32: 2021-09-16
54: SEED TREATMENT COMPOSITIONS THAT INCREASE MICROORGANISM LONGEVITY
00: -
The present disclosure includes seed coating compositions and methods for coating seeds that can improve the longevity of microbes that are inoculated on the seeds.



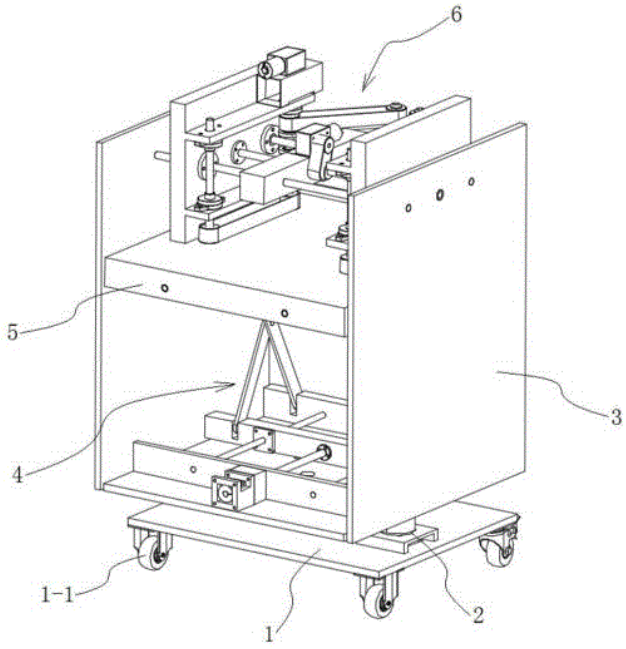
21: 2024/02668. 22: 2024/04/08. 43: 2024/10/08
51: G01N
71: Fujian Polytechnic of Water Conservancy and Electric Power
72: TONG Fan, HAO Yanfang, ZHAO Xiaofang
33: CN 31: 2024100191712 32: 2024-01-05
54: MOVABLE SOIL EROSION DYNAMIC SIMULATION DEVICE
00: -

The invention relates to the technical field of simulation devices, and discloses a movable soil erosion dynamic simulation device, including a movable bracket; a rainfall simulation component, which comprises a plurality of simulating pieces, wherein the plurality of simulating pieces are arranged on the movable bracket along the axial direction, are used for simulating different rainfall intensities by adjusting the water pressure, and the simulating pieces are communicated with an external water source; a collecting component, which comprises a moving seat, a collecting barrel and a collecting piece, wherein the collecting piece is arranged on the moving seat and below the simulating piece; the collecting piece is used for collecting rainwater of the simulating piece to simulate soil erosion; the collecting barrel is used for collecting samples in the collecting piece; the moving seat is provided with an angle adjusting piece; and the angle adjusting piece is used for adjusting the angle of the collecting piece. The invention can move flexibly, adjust rainfall, soil types and soil slopes, effectively utilize water resources, and explore the laws of soil erosion with different slopes and different soil types.



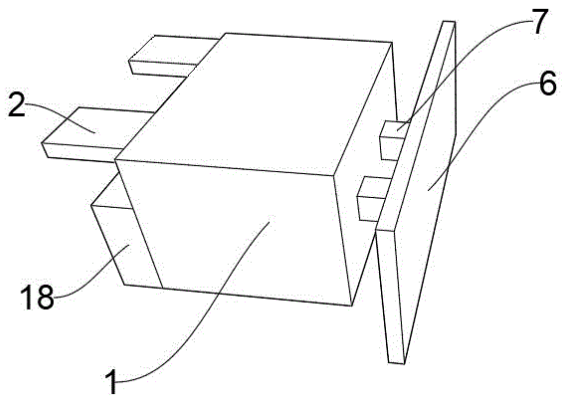
21: 2024/02669. 22: 2024/04/08. 43: 2024/10/08
51: B62B
71: CHANGZHOU INSTITUTE OF TECHNOLOGY
72: TIAN Wentong
54: BOOK TEMPORARY STORAGE AND TRANSFER DEVICE FOR BOOK MANAGEMENT AND WORKING METHOD THEREOF
00: -

The invention belongs to the technical field of a book management device, in particular relates to a book temporary storage and transfer device for book management and a working method thereof, comprising a platform bottom plate, the top surface of the platform bottom plate is installed with a box body through a rotary drive mechanism, the bottom of the box body is installed with a book storage plate through a lifting drive mechanism, and the top of the box body is installed with a book clamping conveyor. The bottom surface of the book storage plate is fixed connected with two symmetric telescopic cylinders, the telescopic ends of the two telescopic cylinders are far away from each other, the telescopic end of the telescopic cylinder is fixed connected with two slide rods, the top surface of the book storage plate is provided with a chute, the slide rod is sliding connected in the chute, the top of the slide rod goes through the chute, the slide rod is used for book positioning. When the invention is used, the books returned by the reader can be superimposed one by one and temporarily stored on the book storage plate, the books are positioned by the slide rod, and the books are transferred out by the transfer mechanism, greatly shortening the waiting time for book return.

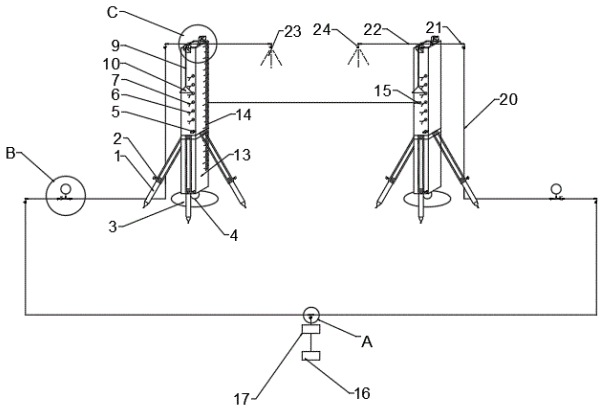


21: 2024/02670. 22: 2024/04/08. 43: 2024/10/08
51: G01S
71: Binzhou Polytechnic
72: BI Yanliang, ZHAI Wei, ZHAO Zhiqiang, ZHONG Guangrong, ZONG Yonggang, CHEN Haibo, HAN Fangxin
54: ANTI-COLLISION DEVICE FOR SHIPS
00: -

The invention belongs to the technical field of anti-collision, in particular to an anti-collision device for a ship, which comprises a housing, wherein a collision surface of the housing is provided with a collision part, and an installation surface of the housing is provided with a buffer connection component; the cent inside the housing is fixedly connected with a partition plate which divide the housing into a first water chamber and a second water chamber; the center of the partition plate is provided with a water permeable hole for communicating the first water chamber and the second water chamber; the side wall of the first water chamber is fixedly connected with a rubber strip, a first sliding plate slides in the first water chamber, and the side walls of the first sliding plate are respectively in friction fit with the corresponding rubber strip; the first sliding plate is elastically connected with the collision part, a piston buffer part is arranged in the second water chamber, and the collision part is in transmission connection with the piston buffer part. The invention can consume collision energy for many times to ensure the safety of the hull.

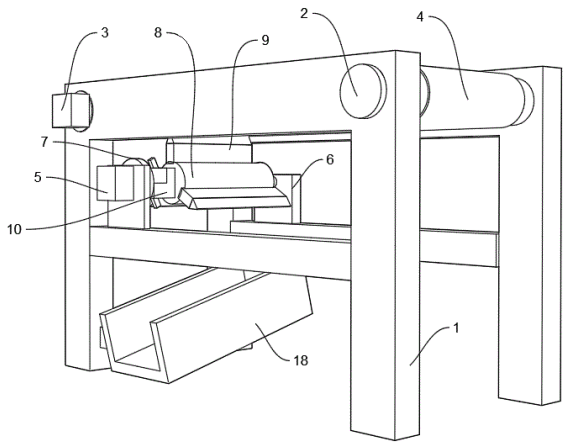


21: 2024/02671. 22: 2024/04/08. 43: 2024/10/08
51: G01N
71: Fujian Polytechnic of Water Conservancy and Electric Power
72: TONG Fan, HAO Yanfang, ZHAO Xiaofang
33: CN 31: 2024101565050 32: 2024-02-04
54: LIFTABLE DEVICE FOR MEASURING SOIL EROSION UNDER FORESTS AND ON SLOPES
00: -
The invention discloses a liftable device for measuring soil erosion under forests and on slopes, belonging to the technical field of measuring devices, which comprises a water supply mechanism, wherein the water supply mechanism is communicated with two rainfall mechanisms; the bottom of the rainfall mechanisms is provided with a lifting mechanism, which comprises an outer rod; the inner top of the outer rod is slidably connected with an inner rod; the outer side of one outer rod is fixedly connected with a leveling part; the top of the inner rod is provided with a rainfall mechanism, a lifting part is arranged between the outer rod and the inner rod, and the bottom of the outer rod is rotatably connected with a stabilizing mechanism. The water supply mechanism provides water for the two rainfall mechanisms at the same time, and the outer rod and the inner rod are connected in a sliding way to adjust the height of the rainfall mechanisms so as to achieve the required rainfall height; the stabilizing mechanism arranged at the bottom of the outer rod is used for adapting the lifting mechanism to the field slope environment, so that the lifting mechanism is more stable in the use process; and the leveling part is used for keeping the two rainfall mechanisms at the same horizontal position, so that the two rainfall mechanisms can simulate the same rainfall environment.



21: 2024/02673. 22: 2024/04/08. 43: 2024/10/08
51: B65G
71: Tangshan University
72: LIU Liwei, SONG Xiaoying, ZHANG Yiyang, YUE Jianjiang, HAN Yuqiang
54: HEAVY PLATE FEEDER WITH MATERIAL CLEANING DEVICE
00: -
The invention belongs to the technical field of plate feeders, in particular to a heavy plate feeder with a material cleaning device, which comprises a bracket, wherein a conveying component and a material

cleaning mechanism are arranged on the bracket, and the material cleaning mechanism is located right below the conveying component, and the material cleaning mechanism is arranged in contact with the conveying component; the material cleaning mechanism comprises a driving component arranged on the bracket, and the driving component is connected with the material cleaning component in a transmission way; the material cleaning component is arranged in contact with the conveying component; one end of the material cleaning component is fixedly connected with a connecting component; and the driving component is connected with the connecting component in a transmission way. By arranging the connecting component, the material cleaning component can be directly plugged with the connecting component, so that the installation and use are convenient and quick, and the working efficiency is effectively improved; by arranging the material cleaning component at the return position at the bottom of the heavy plate feeder, the sticky material with the conveying component is removed, which effectively avoids the phenomenon that the lower tugboat is easily damaged by adding water to the conveying component in the later stage, prolongs the service life of the equipment and reduces the workload.

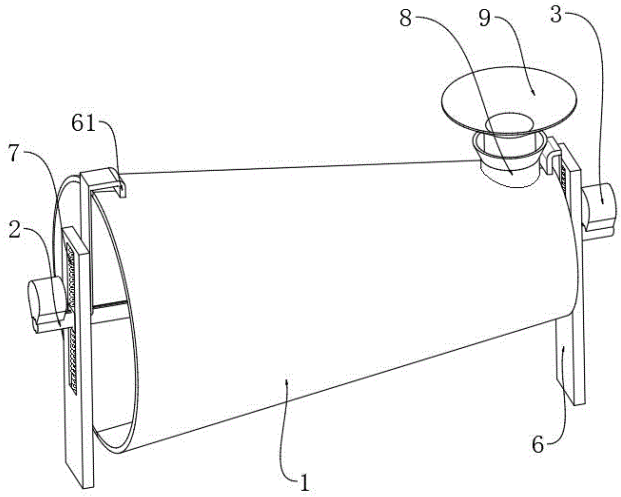


21: 2024/02674. 22: 2024/04/08. 43: 2024/10/08
51: C09K
71: NANTONG UNIVERSITY
72: MIAO, Jianwen, LI, Minmin, CHEN, Cong
33: CN 31: 2024103118916 32: 2024-03-18
54: A METHOD FOR PREPARING SCHEELITE TYPE RED FLUORESCENT POWDER BY COMBUSTION METHOD

00: -
The present invention discloses a method for preparing Sr0.6Ba0.4-xMoO4: xPr3+, yPEG-200 system scheelite red fluorescent powder by combustion method, using Sr (NO3)2, Ba (N03)2, and (NH4) 6Mo7)14 . Sr0.6Ba0.4-xMoO4: xPr3+phosphor was synthesized by combustion using 4H2O as the reaction material, Pr3+as the rare earth ion doping, and citric acid as the combustion aid. The present invention adopts the combustion method to synthesize red phosphors with the advantages of low reaction temperature, short time, and small synthesized sample particles. The Sr0.6Ba0.4-xMoO4: xPr3+, yPEG-200 synthesized in this experiment have strong luminescence performance and can be used as red phosphors for white LED. The present invention adds the surfactant PEG-200 to improve the morphology of the sample and enhance its luminescence performance. Trivalent praseodymium ions are selected to be doped in the molybdate structure of scheelite, resulting in high emission intensity in the deep red region.

21: 2024/02675. 22: 2024/04/08. 43: 2024/10/08
51: C02F
71: Binzhou Medical University, Yantai University
72: QU Jiale, LENG Guorui, DUAN Baorong, LIU Junjie, WANG Shanshan, WENG Yonggen
54: LEATHER WASTE RECYCLING PROCESSOR
00: -
The invention discloses a leather waste recycling processor, which comprises a frustum-shaped cylinder body for cutting and accommodating wastes, wherein the frustum-shaped cylinder body is axially penetrated, and a spindle driven by a power mechanism is rotationally connected with a fixed shaft; inertial swing blocks are fixedly connected to the arc profiles near two ends of the spindle; crushing teeth arranged in the frustum-shaped cylinder body are fixedly connected to the arc profiles near one end of the spindle; lifting sliders are rotationally connected to the arc profiles near two ends of the spindle; and the axial side of the frustum-shaped cylinder body is provided with lifting sliders for limiting sliding up and down. According to the invention, through the cooperative use of the above structures, the problem that in the actual use process, because the existing device still needs to

manually throw large pieces of leather waste, and the large pieces of leather waste contact and break with the gear through manual assistance, there is a certain potential safety hazard, which brings inconvenience to use.

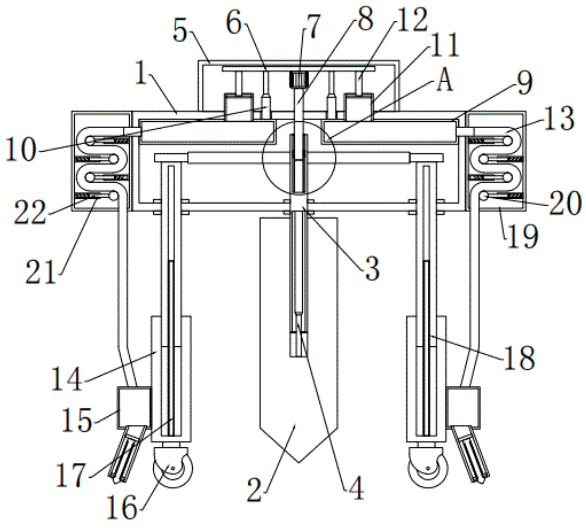


21: 2024/02676. 22: 2024/04/08. 43: 2024/10/08
51: A01C
71: Gansu Desert Control Research Institute
72: SONG, Dacheng, WU, Hao, HAN, Shenghui, LI, Guangyu, ZHAO, Peng

54: PIT DIGGING DEVICE FOR SAND CONTROL AND TREE PLANTING ENGINEERING

00: -

The present invention relates to the technical field of sand control, in particular to a pit digging device for sand control and tree planting engineering, comprising a shell; an earth-drilling assembly is connected with the shell; a supporting assembly is symmetrically arranged at two side of the earth-drilling assembly and are connected with the shell; a control mechanism is connected with the shell and the earth-drilling assembly; wherein, the control mechanism comprises a driving assembly and the driving assembly is connected with the shell and the earth drilling assembly; a transmission assembly is arranged between the control assembly and the supporting assembly; by arranging the control mechanism and cooperating with the earth-drilling assembly and the supporting assembly, automatic digging on the ground can be realized, and the digging depth can be adjusted, so that tree planting efficiency is greatly improved, and different kinds of saplings can be planted.

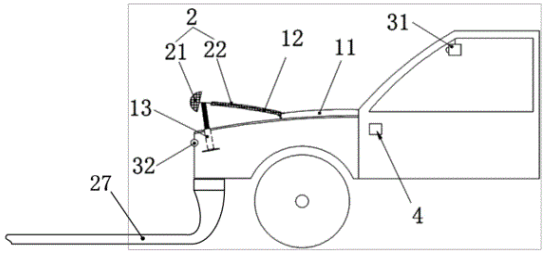


21: 2024/02678. 22: 2024/04/08. 43: 2024/10/08
51: B60R
71: Zhejiang University of Science and Technology
72: TANG, Youming, HU, Zhong'an, ZHAO, Hong, SUN, Bo, FAN, Tiqiang, ZHANG, Haiyang, ZHANG, Yi, WANG, Ping, WANG, Yu

54: CHILD-BASED PEDESTRIAN PROTECTION DEVICE AND METHOD AND VEHICLE

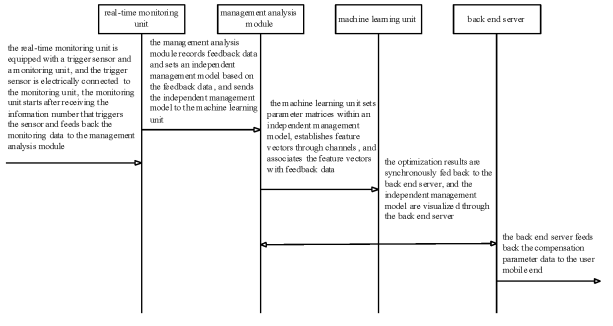
00: -

Disclosed is a child-based pedestrian protection device and method, and a vehicle, relating to the technical field of vehicle safety, including an engine hood system, an airbag system, a pedestrian detection system, and an ECU control unit. The ECU control unit is communicatively connected to a jacking mechanism in the engine hood system, the airbag system, and the pedestrian detection system. The present invention can effectively protect the safety of a child.



21: 2024/02679. 22: 2024/04/08. 43: 2024/10/08
51: G06Q
71: ZHENGZHOU YOUMEI INTELLIGENT TECHNOLOGY CO., LTD.
72: Zhong LI, Guopeng LI, Renyan ZHAO, Lei YU, Lijun Guo

33: CN 31: 2023115856945 32: 2023-11-24
54: EQUIPMENT OPERATION MONITORINGAND MANAGEMENT SYSTEM AND METHOD BASED ON INTELLIGENT ANALYSIS
00: -
An equipment operation monitoring and management system based on intelligent analysis provided includes a real-time monitoring unit, a management analysis module, a machine learning unit, and a back end server, wherein the real-time monitoring unit communicates with the management analysis module for data exchange, and the management analysis module communicates with the machine learning unit for data exchange; the real-time monitoring unit is equipped with a trigger sensor and a monitoring unit, and the trigger sensor is electrically connected to the monitoring unit, the monitoring unit starts after receiving the information number that triggers the sensor and feeds back the monitoring data to the management analysis module; the management analysis module records feedback data and sets an independent management model based on the feedback data, and sends the independent management model to the machine learning unit; the machine learning unit sets parameter matrices within an independent management model, establishes feature vectors through channels, and associates the feature vectors with feedback data; a calculation matrix is established based on feedback coefficients of the feedback data, and the results are fed back to the management analysis module to optimize the independent management model; the optimization results are synchronously fed back to the back end server, and the independent management model are visualized through the back end server.

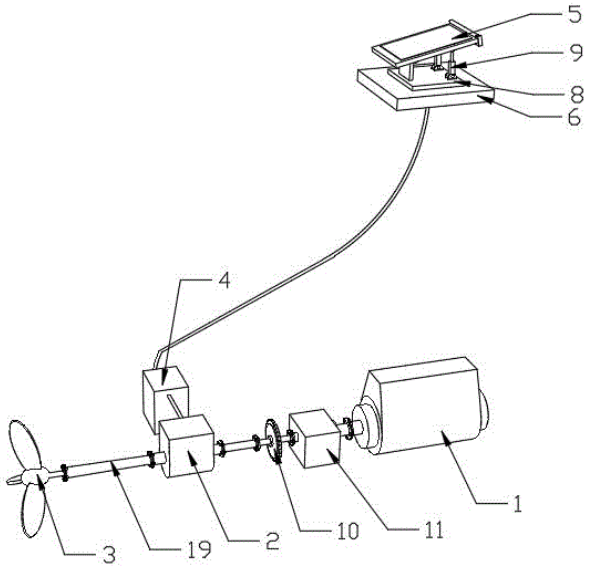


21: 2024/02680. 22: 2024/04/08. 43: 2024/10/08
51: E01C
71: SHANDONG HI-SPEED QILU CONSTRUCTION GROUP CO., LTD
72: Ren Quangang, Fu Tao, Fu Guoxin, Xu Weibo, Wang Xiaoqiang, Yan Lubo
33: CN 31: 202410288603X 32: 2024-03-14
54: A METHOD FOR THE INDIRECT CONTACT BETWEEN PREFABRICATED CEMENT CONCRETE PAVEMENT PANELS IN LOGISTICS PARKS
00: -
The invention discloses a method for indirect contact between prefabricated cement concrete pavement panels in a logistics park, which relates to the field of road construction technology. The invention includes: Step 1: Foundation preparation, preparing a plurality of prefabricated cement panels, with blind hole groups opened at both ends of the cement panels, and the blind hole groups on adjacent cement panels correspond to each other, the blind hole groups being used to reinforce adjacent cement panels; Step 2: Laying adjacent panels, with force transmission mechanisms arranged inside the blind hole groups. The invention increases the stable T-shaped groove structure, avoiding weak points in the concrete panels, improving the overall strength of the concrete panels, and reducing the maintenance cost of the pavement. The invention uses connecting plates between the concrete panels to prevent damage such as freezing and cracking of the concrete panels due to erosion by rain and snow, thereby enhancing the protective ability of the concrete panels.

21: 2024/02681. 22: 2024/04/08. 43: 2024/10/08
51: C23C
71: JIANGSU CANCER HOSPITAL
72: MU, Zhongde, WANG, Qi, YE, Feng, ZHAI, Zhenyu
54: GOLD INVERSE OPAL MICROSPHERE AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention provides a gold inverse opal microsphere and a preparation method and application thereof, which belong to the technical field of nano materials. The preparation method for a gold inverse opal microsphere is provided by the present invention and includes: performing amination treatment on a polymethyl methacrylate opal photonic crystal to obtain a modified photonic

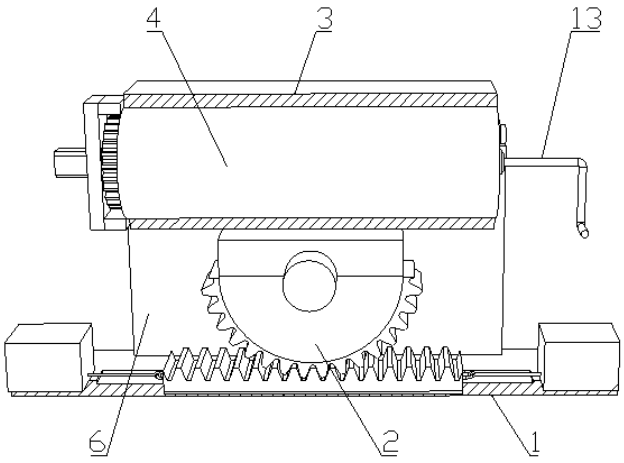
crystal template; loading a gold elementary substance into a gap of the modified photonic crystal template to obtain a modified photonic crystal template loaded with gold seeds; and putting the modified photonic crystal template loaded with the gold seeds into an electroless electroplating solution of gold for chemical plating to obtain the gold inverse opal microsphere. According to the present invention, size of the gold inverse opal microsphere can be adjusted, and a micro-nano structure of the prepared gold inverse opal microsphere is regular and orderly, and has a three-dimensional structure.

21: 2024/02682. 22: 2024/04/08. 43: 2024/10/08
51: B63H
71: Binzhou Polytechnic
72: ZHAI Wei, BI Yanliang, ZHAO Zhiqiang, CUI Xuan, SUN Qingyun, WANG Zhen, WANG Bin, LU Baocheng
54: SHIP HYBRID POWER DEVICE
00: -
The invention discloses a ship hybrid power device, which belongs to the technical field of ship power systems, and comprises a host, wherein the output end of the host is drivingly connected with a shaft belt generator, the output shaft of the shaft belt generator is drivingly connected with a propeller, and the shaft belt generator is electrically connected with an energy storage battery; the energy storage battery is electrically connected with a solar panel, a bottom plate is arranged below the solar panel, the top of the bottom plate is fixedly connected with a first motor, a supporting plate is fixedly connected on the output shaft of the first motor, the supporting plate is positioned between the solar panel and the bottom plate and contacts with the bottom plate, one end of the solar panel is rotatably connected with the top of the supporting plate through a rotating shaft, and the other end is hinged with a plurality of cylinders, and one end of the cylinders far from the solar panel is hinged with the supporting plate; a cleaning mechanism is arranged on the solar panel. The invention can realize hybrid driving of oil and electricity, improve the electric energy conversion rate of solar panels, increase the electric energy storage capacity, help reduce the consumption of traditional energy sources and improve the hybrid driving effect of oil and electricity.



21: 2024/02686. 22: 2024/04/08. 43: 2024/10/14
51: C12M
71: ANHUI BEIBAO FOOD CO., LTD
72: PAN, Deng
33: CN 31: 202311301077.8 32: 2023-10-08
54: ROTATABLE FULLY AUTOMATIC FERMENTATION DEVICE AND FERMENTATION METHOD THEREOF
00: -
The present invention relates to the field of fermentation technology, particularly to a rotatable fully automatic fermentation device and fermentation method thereof. The rotatable fully automatic fermentation device comprises a base, an outer fermentation box, an inner fermentation box, a rotation assembly, a monitoring part, and a gas collection box. In the present invention, the outer fermentation box shakes back and forth within a certain range at a certain frequency, the inner fermentation box performs origin rotation on the outer fermentation box, and the rotation assembly independently rotates inside the inner fermentation box, so as to form a triple rotation action, and directions and angles of rotations are changeable and do not interfere with each other, thereby effectively promoting thorough mixing of fermentation materials and accelerating the fermentation process; and the monitoring part is arranged to move and rotate with the triple rotation action, meanwhile, infrared temperature measurement technology and flow velocity detection technology are used to monitor the temperature and

fluidity of fermentation raw materials from multiple angles and directions in the process, which are then used as the basis for determining the degree of fermentation. The present invention achieves precise monitoring and intelligent control of the fermentation process, and facilitates efficient and automatic completion of the fermentation processing.

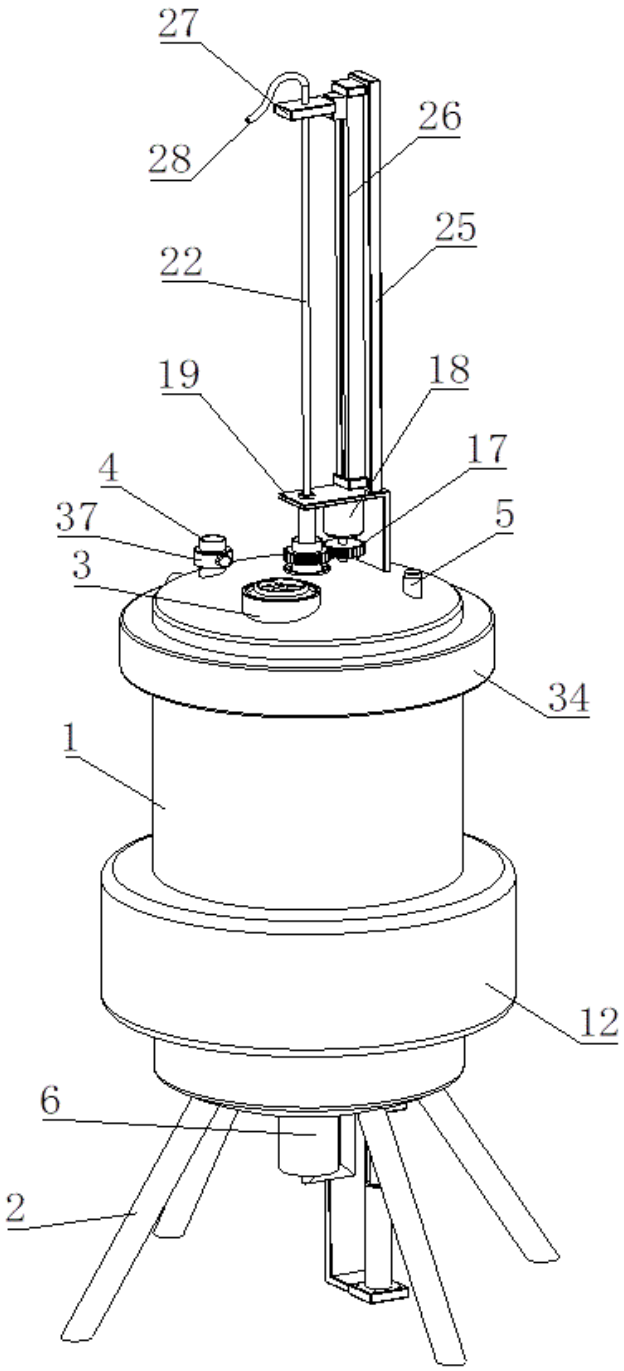


21: 2024/02693. 22: 2024/04/08. 43: 2024/10/14
51: C12M
71: ANHUI BEIBAO FOOD CO., LTD
72: PAN, Deng
33: CN 31: 202311337039.8 32: 2023-10-16

54: FULL-AUTOMATIC INTEGRATED FERMENTATION EQUIPMENT AND METHOD

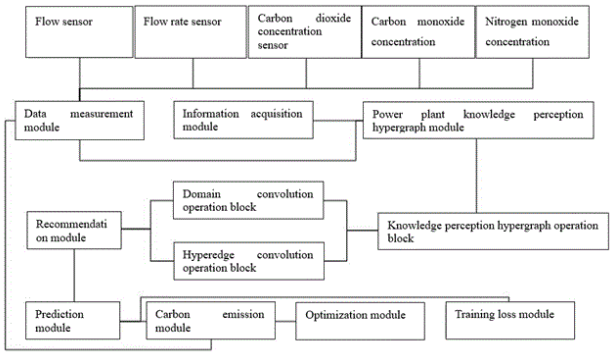
00: -

The present invention relates to the field of fermentation equipment, in particular to a full-automatic integrated fermentation equipment and method, comprising a fermentor for fermentation, a reinforcing ring penetrating through a top portion of the fermentor and a cylinder a vertically penetrating through the reinforcing ring, wherein a bearing a is arranged between the cylinder a and the reinforcing ring, a power assembly for driving the cylinder a to rotate is arranged on the fermentor, a stirring mechanism is arranged on an outer wall of the cylinder a, the stirring mechanism is provided in the fermentor, a sliding member is matched with the stirring mechanism, and a cleaning assembly for driving the sliding member to slide along the stirring mechanism is arranged on the fermentor, and the cleaning assembly sprays water to the sliding member and an inner wall of the fermentor during the up-and-down movement. In the present invention, automatic cleaning can completely cover all fermentation areas, which reduces the labor intensity and improves the cleaning effect.



21: 2024/02695. 22: 2024/04/08. 43: 2024/10/10
51: G06Q
71: ANHUI BLUE OCEAN LIGHT TECHNOLOGY CO
72: Chenxi CAI, Changhui CAI
33: CN 31: 2022114801989 32: 2022-11-24

54: REGIONAL CARBON EMISSION INTELLIGENT MEASUREMENT SYSTEM BASED ON OPTIMIZATION AND COLLABORATION OF LOW-CARBON ENERGY UTILIZATION
00: -
The invention presents a regional carbon emission intelligent measurement system based on optimization and collaboration of low-carbon energy utilization, belonging to the technical field of carbon emission measurement system. Includes a data measurement module and an information acquisition module, a power plant knowledge perception hypergraph module is connected to the data measurement module and the information acquisition module; a knowledge perception hypergraph convolution operation block is connected to the power plant knowledge perception hypergraph module; a recommendation module is connected to the knowledge perception hypergraph convolution operation block.

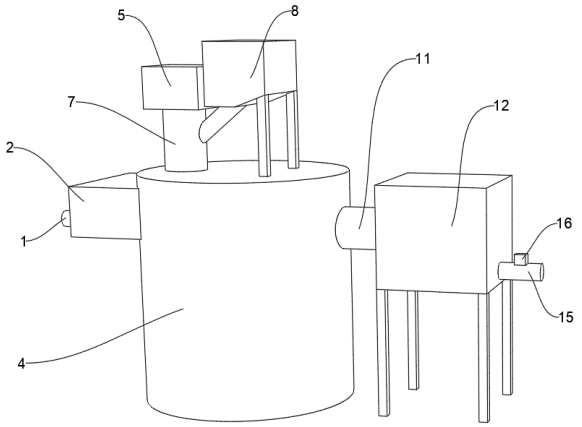


21: 2024/02698. 22: 2024/04/08. 43: 2024/10/10
51: B01D; B01J
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC RESEARCH INSTITUTE OF PETROLEUM PROCESSING CO., LTD.
72: JIANG, Qiuqiao, SONG, Haitao, FENG, Menglong, ZHAO, Dongyue, QU, Yakun, SHA, Hao
33: CN 31: 202111055118.0 32: 2021-09-09
33: CN 31: 202111055151.3 32: 2021-09-09
33: CN 31: 202111055913.X 32: 2021-09-09
33: CN 31: 202111054717.0 32: 2021-09-09
54: CATALYST FOR REDUCING SOX AND NOX IN FLUE GAS, PREPARATION METHOD THEREFOR, AND METHOD FOR REMOVING SOX AND NOX FROM FLUE GAS
00: -
The present invention relates to a catalyst for simultaneously reducing SOx and NOx in flue gas, a preparation method therefor and an application thereof, and a method for simultaneously removing SOx and NOx from flue gas.

21: 2024/02706. 22: 2024/04/08. 43: 2024/10/10
51: A61K; C07K; A61P
71: CITY UNIVERSITY OF HONG KONG, CENTRE FOR REGENERATIVE MEDICINE AND HEALTH, HONG KONG INSTITUTE OF SCIENCE & INNOVATION, CHINESE ACADEMY OF SCIENCES LIMITED
72: TORTORELLA, Mickey Daniel, HE, Jufang
33: CN 31: 202111222161.1 32: 2021-10-20
54: POLYPEPTIDE AND APPLICATION THEREOF AS CCK RECEPTOR AGONIST/ANTAGONIST
00: -
A polypeptide and an application thereof as a CCK receptor agonist/antagonist. The polypeptide has relatively high agonistic activity/antagonistic activity on a CCK receptor. Compared with a polypeptide CCK4, the polypeptide has a longer half-life period and curative effect duration in vivo. Experiments prove that the polypeptide has an obvious improvement effect on spatial memory deficits of old mice, old memory deficient mice, and Alzheimer's disease mice, such that the polypeptide has great application potential.

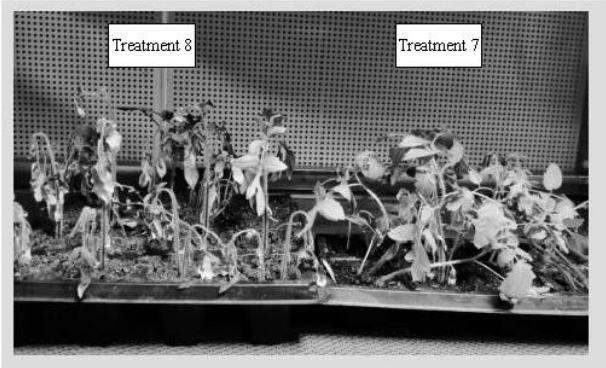
21: 2024/02711. 22: 2024/04/09. 43: 2024/10/10
51: B63B
71: Binzhou Polytechnic
72: ZHAI Wei, ZHAO Zhiqiang, BI Yanliang, CUI Xuan, CUI Wentao, ZHAO Xuegang, LU Baocheng, LI Zunmin, LI Zhaoqiang
54: MARINE POLLUTION PREVENTION DEVICE
00: -
The invention belongs to the technical field of marine pollution prevention and control, in particular to a marine pollution prevention device. When in use, sewage from a ship first enters a filtering part for filtering, then enters a mixing assembly, a flocculant is added into the mixing assembly through a dosing part to flocculate and precipitate soluble impurities, and then flows into a precipitation part through a slow-flow piece, so that the flocculate precipitates, clear water overflows to a sterilizing part, and is discharged into the ocean after being sterilized by the sterilizing part; according to the invention, the sewage on the ship is purified and then discharged into the ocean, so that bacteria, parasites and nutrient-rich substances in the sewage are

prevented from entering the ocean, and harm to the natural environment and biological health is avoided.



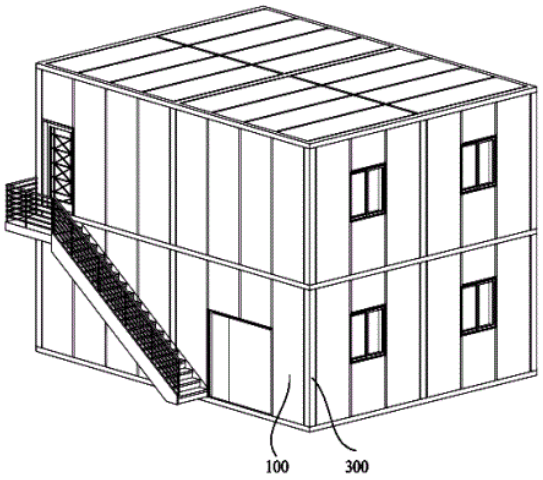
21: 2024/02712. 22: 2024/04/09. 43: 2024/10/10
51: A23F; A61K
71: JINHUA ACADEMY OF AGRICULTURAL SCIENCES
72: QIAN, Dongnan, LUO, Huatao, QIAN, Cheng, XU, Fujun, LOU, Jidao, XU, Jianzhong
54: FUNCTIONAL TEA OF MUSCADINIAROTUNDIFOLIAMICHX. AND WILD CHINESE GOOSEBERRY AND PREPARATION METHOD THEREFOR
00: -
The present invention relates to the technical field of fruit tea preparation, and in particular, to a functional tea of MuscadiniarotundifoliaMichx. and wild Chinese gooseberry and a preparation method therefor. The functional tea is prepared from the following raw materials in parts by mass: 20-30 parts of Actinidia melanandra leaves, 12-18 parts of MuscadiniarotundifoliaMichx. leaves, 20-30 parts of Actinidia latifolia tips, 16-22 parts of Actinidia callosa var. discolor fruits, 14-18 parts of Actinidia eriantha fruits, 8-14 parts of blueberries, 8-14 parts of mangoes, 8-14 parts of Anoectochilus roxburghii, 3-7 parts of fingered citron, 3-7 parts of Astragalus propinquus, 3-7 parts of Kuding tea, 3-5 parts of raspberries and 3-5 parts of lotus seeds. According to the present invention, the functional tea of MuscadiniarotundifoliaMichx. and wild Chinese gooseberry contains rich nutrient elements, has good health care effects, and can significantly improve the sub-health status of the human body.

21: 2024/02713. 22: 2024/04/09. 43: 2024/10/10
51: A01C; A01G
71: ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES
72: RUAN, Meiying, CHENG, Yuan, ZHOU, Guozhi, WANG, Rongqing, YE, Qingjing, YAO, Zhuping, WAN, Hongjian, LI, Zhimiao, LIU, Chenxu
54: TREATMENT SOLUTION FOR TOMATO PLANTING AND APPLICATION THEREOF, AND METHOD FOR IMPROVING COLD RESISTANCE OF TOMATOES
00: -
The present invention provides a treatment solution for tomato planting and an application thereof, and a method for improving cold resistance of tomatoes, and relates to the field of tomato planting. The treatment solution for tomato planting of the present invention comprises white sugar, egg white, uniconazole, polyethylene glycol and water. The method for improving cold resistance of tomatoes of the present invention comprises: before chilling injury occurs, spraying the treatment solution on leaf surfaces and leaf backs of the tomatoes. The treatment solution of the present invention can effectively relieve the damage of low-temperature stress to tomato seedlings, has a simple formulation and low cost and is green and pollution-free. Therefore, the treatment solution is suitable for large-scale popularization and application.



21: 2024/02716. 22: 2024/04/09. 43: 2024/10/10
51: E04H
71: Henan University of Urban Construction
72: WANG, Yi, WANG, Zili, WU, Hairong, GUO, Chengcheng, LI, Yansong, DENG, Chaojie, ZHAO, Jin, SHI, Luke, YOU, Peibo, ZHENG, Chao
54: PREFABRICATED RURAL RESIDENTIAL STRUCTURE SYSTEM
00: -

Disclosed is a prefabricated rural residential structure system. The prefabricated rural residential structure system includes prefabricated hollow wallboards, prefabricated hollow floor slabs, prefabricated structural columns, first connecting assemblies, second connecting assemblies and at least one reinforced connecting assembly. The prefabricated hollow wallboards are provided with first through holes, and the first connecting assemblies are inserted into the first through holes and connected to the prefabricated structural columns. The prefabricated hollow floor slabs are provided with second through holes, and the second connecting assemblies are inserted into the first through holes and the second through holes and connected to the prefabricated hollow wallboards and the prefabricated hollow floor slabs. The reinforced connecting assembly includes two batten plates and a plurality of connecting rods, two ends of the two batten plates and two adjacent prefabricated hollow wallboards between the two batten plates are penetrated by the connecting rods.



21: 2024/02717. 22: 2024/04/09. 43: 2024/10/10
51: A23K
71: Qingdao Seawin Biotech Group Co., Ltd.
72: WANG Haihua, LI Tiejun, ZHANG Nan, WANG Lubo, DAI Mingqin, SUN Yingchao, LIU Yanni, WANG Yichao
33: CN 31: 2023104822911 32: 2023-04-29
54: ENTEROMORPHA POLYSACCHARIDE CALCIUM FEED ADDITIVE FOR IMPROVING CHICKEN PRODUCTS OR CHICKEN SLAUGHTERING PERFORMANCE AND ITS APPLICATION
00: -
The invention discloses an enteromorpha polysaccharide calcium feed additive for improving chicken quality or chicken slaughtering performance and its application. The present invention adds Enteromorpha polysaccharide calcium as a feed additive to the basic feed of chickens. It is found that adding Enteromorpha polysaccharide calcium can significantly reduce the abdominal fat rate of broiler chickens or increase the chicken breast muscle rate, and can be used as a feed additive to improve chicken slaughter performance. The present invention also found that adding Enteromorpha polysaccharide calcium to feed can significantly increase the color a* value of chest muscles or leg muscles and reduce breast muscle drip loss. It is thus determined that Enteromorpha polysaccharide calcium can be used as a feed additive to improve the quality of chicken. In addition, the present invention also found that adding Enteromorpha polysaccharide calcium to the basic feed of chickens at an amount of 200 mg/kg is significantly better than other addition amounts in improving chicken slaughter performance or meat quality.

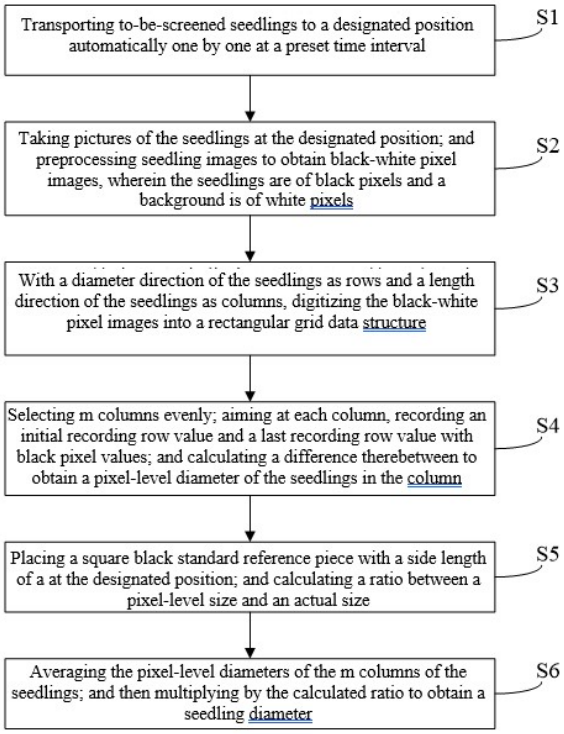
21: 2024/02718. 22: 2024/04/09. 43: 2024/10/10
51: A61K; A61P
71: Chongqing Kangershou Biopharmaceutical Technology Co., Ltd
72: Shucai Deng
33: CN 31: 2024103015055 32: 2024-03-16
54: AN OVER-THE-COUNTER TRADITIONAL CHINESE MEDICINE FOR WEIGHT LOSS
00: -
An over-the-counter traditional Chinese medicine for weight loss comprises the following raw materials in parts by weight: 30~60g of stir-fried yellow soybeans, 25~50g of Gynostemma pentaphyllum, 10~15g of Radix et Rhizoma ginseng, 8~10g of Radix Astragali, 8~16g of Fructus Lycii, 8~16g of Radix Puerariae Lobatae, 6~12 of Radix Bupleuri, 6~12g of Fructus Crataegi, 6~12g of Semen Cassiae, 6~12g of Fructus Gardeniae, 6~12g of Fructus Hordei Germinatus, 6~12g of Folium Nelumbinis, 4~8g of Rhizoma Polygonati, 8~10g of Endothelium Corneum Gigeriae Galli, 4~8g of Flos Chrysanthemi, 4~8g of Radix Angelicae Sinensis, 3~6g of Radix et Rhizoma Rhei, 3~6g of Ganoderma. The advantages of the invention are as

follows: reasonable design of raw materials, convenient production, processing using modern biological cell wall-breaking technology; ensuring that effective components of traditional Chinese medicine, especially bioactive enzymes, remain intact; it has good weight loss effects, is healthy and reliable, has excellent promotion prospects, economic value.

21: 2024/02723. 22: 2024/04/09. 43: 2024/10/10
51: A23K; A61K
71: Ningxia Academy of Agriculture and Forestry Sciences, Institute of Animal Science (Ningxia Grass-livestock Engineering Technology Research Center)
72: Jiandong Wang, Yanan Guo, Youli Yu, Yansheng Guo, Xiaojun Liang, Haihui Gao, Zhengwei Zhao, Xiaodong Kang, Dun Wang, Lina Zhou, Jiupan Zhang, Jin Wang
33: CN 31: 2024102513829 32: 2024-03-05
54: AN ANTIOXIDANT COMPOSITION AND APPLICATION THEREOF
00: -
The present invention belongs to the field of animal healthcare technology, and relates to an antioxidant composition and its application. The invention discloses an antioxidant composition comprising lycopene and excipients; the mass ratio of lycopene to excipients is not less than 5 : 1, and the purity of lycopene is not less than 90 %. In this study, a hepatitis model was induced by intramuscular injection of 15 mg / kg lipopolysaccharide (LPS) for 3 consecutive days to study the antagonistic effect of the antioxidant composition on LPS-induced hepatitis. The invention can significantly improve the growth performance of beef cattle with LPS-induced hepatitis, significantly promote the repairing of liver injury, effectively increase the content of TP and GLB in serum, and increase the activities of AST and ALT; elevate the levels of Ig A, Ig M, and Ig G in serum; and effectively elevate the levels of T-AOC, GSH-Px, and SOD in serum of beef cattle and reduce the content of MDA. The antioxidant composition provided in the present invention can be used in the preparation of medicinal products and feeds for improving antioxidant capacity in beef cattle.



21: 2024/02755. 22: 2024/04/08. 43: 2024/10/10
51: A01G; G01B; G06T
71: HARBIN FORESTRY MACHINERY RESEARCH INSTITUTE, STATE FORESTRY AND GRASSLAND ADMINISTRATION
72: YI, Honglei, LI, Shifang, ZHANG, Weiguo, MA, Ling, ZHANG, Beihang, HAN, Lizhi, CONG, Rizheng, HU, Jingyang
54: METHOD AND SYSTEM FOR SEEDLING DIAMETER MEASUREMENT BASED ON MACHINE VISION
00: -
Disclosed is a method and system for seedling diameter measurement based on machine vision comprising: transporting seedling to and photographing seedlings at a designated position; preprocessing seedling images to monochrome pixel images, wherein the seedlings are black pixels and the background is white; with a diameter direction of the seedlings as rows and a length direction of the seedlings as columns, digitizing the images into a rectangular grid data structure; selecting m columns evenly; aiming at each column, recording an initial recording row value and a last recording row value with black pixel values; calculating a difference therebetween to obtain a pixel-level diameter of the seedlings in the column; placing a black standard reference object at the designated position; calculating a ratio between a pixel-level size and an actual size; averaging the pixel-level diameters of the m columns of seedlings; multiplying by the calculated ratio to obtain a seedling diameter.

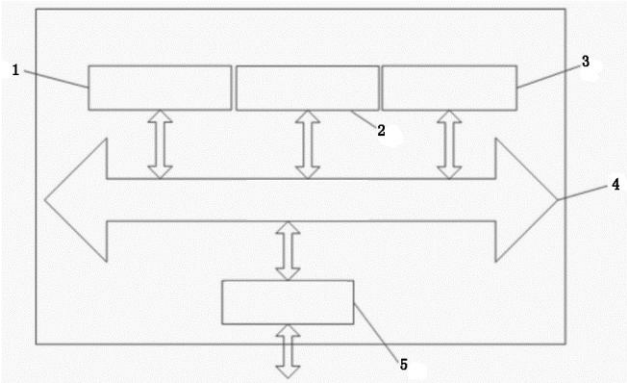


21: 2024/02756. 22: 2024/04/10. 43: 2024/10/10
51: G06F
71: Changzhou Maternal And Child Health Care Hospital
72: CHEN Kejin, LI Kai, RUI Linlin, YUAN Xiaojie, YANG Jingjing

54: INVENTION RELATES TO STORAGE MEDIUM AND DEVICE FOR BASE SURVEY OF HIGH RISK GROUPS OF AIDS

00: -

The invention discloses a storage medium and device for base survey of high risk groups of AIDS, which relates to the technical field of epidemiological data investigation and analysis. The storage medium stores one or more programs, instructions or modules, and the one or more programs, instructions or modules can be executed by the processor to realize the investigation of the base of the AIDS high risk population using the CMR method. The storage medium and the data investigation and analysis device based on the storage medium can realize the calculation of the base number of high risk groups of AIDS by simple random sampling CMR method, thus laying a foundation for mastering the proportion of sensitive characteristics of high risk groups of AIDS and the corresponding influencing factors, which is of great significance for the prevention and control of AIDS disease.



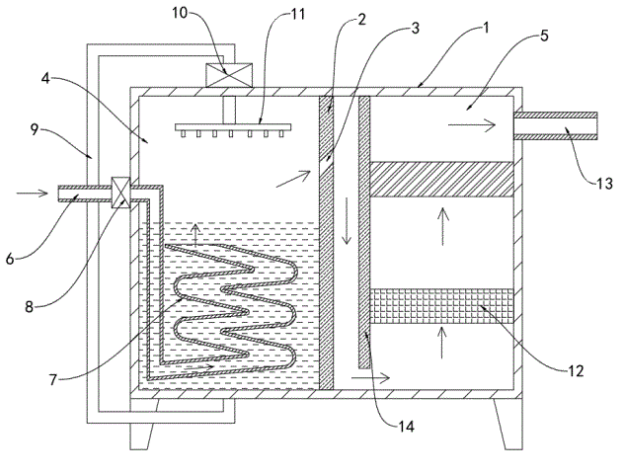
21: 2024/02757. 22: 2024/04/10. 43: 2024/10/10
51: F01N
71:
Jiangsu Academy of Environmental Industry and Tec hnology Corp
72: Wei Hu, Fei Chen, Bing Du, Qihan Xia, Fei Tao

54: EXHAUST GAS PURIFICATION DEVICE

00: -

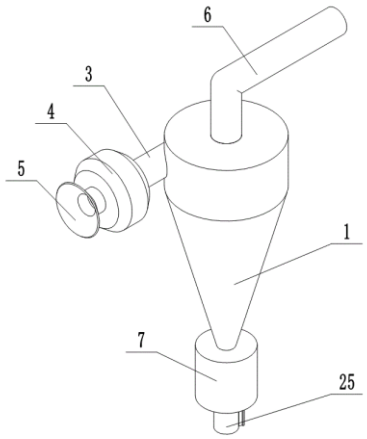
The invention discloses an exhaust gas purification device, comprising a purification tank, in which is equipped with a vertical partition board to divide the internal space of the purification tank into the left chamber and the right chamber; the partition board is equipped with a through hole, and the through hole connects the left chamber and the right chamber, and there is purification water stored in the left chamber; an intake pipe and a spiral pipe, the spiral pipe is submerged in the purification water, the intake pipe is connected with the spiral pipe and there is a check valve on their joint; a circulating spray structure, and the circulating spray structure includes a circulating pipe, a water pump and a nozzle, wherein one end of the circulating pipe is connected to the bottom of the left chamber, the other end is connected to the top of the left chamber, the nozzle is connected to the circulating pipe, and the water pump is provided on the circulating pipe; purification layers, which are provided inside the right chamber; and an exhaust pipe, which is provided on the right side of the purification tank and is connected to the right chamber. This device adopts the composite method of water washing plus spraying plus purification to realize the purification treatment of exhaust gas, with good purification

treatment effect, sufficient purification, and simple and compact overall structure, easy to apply.



21: 2024/02758. 22: 2024/04/10. 43: 2024/10/10
51: G01N
71: Changzhou Maternal And Child Health Care Hospital
72: CHEN Kejin, LI Kai, WANG Xiao, HU Guoyun, HE Beibei
54: PRODUCT FOR ANALYZING DIVERSITY IN BREAST MILK FLORA OF SYPHILIS-INFECTED PUERPERAE AND INTESTINAL FLORA OF NEWBORNS
00: -
The invention discloses a product for analyzing diversity in breast milk flora of syphilis-infected puerperae and intestinal flora of newborns, and relates to the technical field of microbial detection. The product is a microfluidic chip, and the microfluidic chip includes nine specific primer-probe combinations, nine liquid-phase chambers and a main microchannel, and the nine liquid-phase chambers are respectively communicated with the main microchannel, and each liquid-phase chamber is respectively fixed with a specific primer-probe combination. This product has the advantage of detecting multiple microbial flora at the same time, and can analyze the diversity of maternal breast milk flora and neonatal intestinal flora infected with syphilis, thus providing strong technical support for coping with syphilis infection and formulating the strategy of blocking syphilis from mother to child. In addition, the detection method of the invention has high sensitivity, no cross reaction between strains, good specificity and good application prospect in microecological detection and clinical application.

21: 2024/02759. 22: 2024/04/10. 43: 2024/10/10
51: F04D
71: Guangdong University of Petrochemical Technology
72: HE Yajing
33: CN 31: 2023117396293 32: 2023-12-18
54: ENVIRONMENT-FRIENDLY AND ENERGY-SAVING DUST REMOVAL DEVICE
00: -
The invention belongs to the technical field of environmental protection and energy saving, and discloses an environment-friendly and energy-saving dust removal device, which comprises a dust removal cylinder, where the upper end of the side wall of the dust removal cylinder is communicated with an air inlet assembly, the top end of the dust removal cylinder is communicated with an air outlet assembly, and the bottom end of the dust removal cylinder is communicated with the dust outlet assembly; the air inlet assembly is eccentrically communicated with the side wall of the dust removal cylinder; the bottom end of the air outlet assembly extends into the inner cavity of the dust removal cylinder, and the inlet of the bottom end of the air outlet assembly is provided with an isolation net; a cleaning assembly for cleaning and discharging accumulated dust is arranged in the dust outlet assembly, and the cleaning assembly is in sliding contact with the bottom end of the isolation net.



21: 2024/02760. 22: 2024/04/10. 43: 2024/10/10
51: A61K
71: MENG, Xia
72: MENG, Xia, XIE, Wenquan, XIE, Mengchen
54: TRADITIONAL CHINESE MEDICINE COMPOSITE HAVING HEALTH CARE FUNCTION,

AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

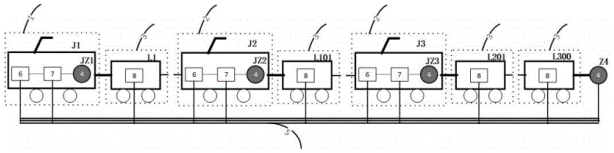
The present invention relates to a traditional Chinese medicine composite having a health care function, and a preparation method and application thereof. The traditional Chinese medicine composite is prepared from the raw herbal materials including Poria cocos, cassia twig, prickly ash, mulberry twig, white atractylodes rhizome, ledebouriella root, lycopodium clavatum, tuber fleeceflower stem, spatholobus stem, obscured homalomena rhizome, ginger and liquorice by means of the steps of pretreatment, soaking, decocting, concentration, drying, etc. A traditional Chinese medicine lotion prepared by using the prescription and the preparation process provided by the present invention has pure and soft smell, and the prepared dry extract powder is added with water for dissolution and dispersed into a traditional Chinese medicine lotion before use, which is convenient to use and has the effects of warming the spleen and stomach and dispelling cold, promoting blood circulation to remove meridian obstruction, improving sleep, and fading speckles.

21: 2024/02761. 22: 2024/04/10. 43: 2024/10/10
51: B60L
71: Lanzhou Jiaotong University
72: LI, Yong, LI, Binqiang, DING, Wangcai
33: CN 31: 202410209516.0 32: 2024-02-26

54: PRECISE CONTROL APPARATUS AND METHOD FOR ELECTRIC CONTROL BRAKING OF LONG-FORMATION HEAVY HAUL TRAIN

00: -

Disclosed are a precise control apparatus and method for electric control braking of a long-formation heavy haul train. The apparatus includes locomotive units, vehicle units, and vehicle braking cylinder pressure increase simulation generation apparatuses; the locomotive units are classified into a main control locomotive unit and slave control locomotive units, and include locomotive power supplies, locomotive control modules, electric controllers, and locomotive air brakes; the vehicle unit includes a vehicle power supply, a vehicle electric control module, and a vehicle air brake; the vehicle braking cylinder pressure increase simulation generation apparatus includes a memory, a processor, and a simulated braking system; the vehicle braking cylinder pressure increase simulation generation apparatus is connected to a tail end of the last vehicle of a train stock unit through a hose connector.



21: 2024/02764. 22: 2024/04/10. 43: 2024/10/11
51: A61K
71: Jiayu Zhu
72: Jiayu Zhu, Lin Wu, Jiaming Wei, Jiajia Yuan, Siyi Duan, Shujun Lang, Ziyi Yang, Heziyi Guo
33: CN 31: 2024102467252 32: 2024-03-05

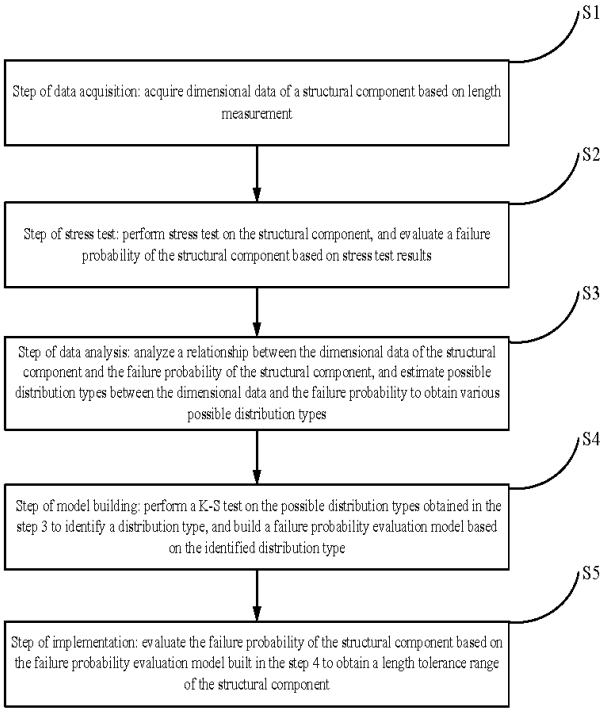
54: A MEDICINAL COMPONENT FOR TREATING AMNESIA CAUSED BY HEART DEFICIENCY, LOW BLOOD COUNT, EXCESSIVE WORRY AS WELL AS DAMAGE TO THE HEART AND SPLEEN

00: -

The invention discloses a medicinal component for treating amnesia caused by heart deficiency, low blood count, excessive worry as well as damage to the heart and spleen, comprising the following raw materials in parts by weight: one to three parts of Acorus calamus, one to three parts of dried Rehmannia glutinosa, one to three parts of Ophiopogon japonicus, one to three parts of Asparagus, one to three parts of Eucommia ulmoides, one to three parts of White Poria, one to three parts of Ginseng, one to three parts of Salvia miltiorrhiza, one to three parts of Fangfeng, one to three parts of Baiziren, one to three parts of Baibu, one to three parts of Yuanzhi, one to three parts of Schisandra chinensis, one to three parts of Guixin, one to three parts of Dioscorea. The invention adopts a combination of multiple ingredients such as Acorus calamus, dried Rehmannia glutinosa, Ophiopogon japonicus, Asparagus, Eucommia ulmoides, Poria cocos, ginseng, and Salvia miltiorrhiza to provide a medicinal component for treating amnesia caused by heart deficiency, low blood count, excessive worry as well as damage to the heart and spleen. By selecting appropriate pure natural Chinese medicinal materials and their ratios, a drug component is provided to eliminate patients' diseases, promoting physical and mental health. Meanwhile, the formula and preparation method for

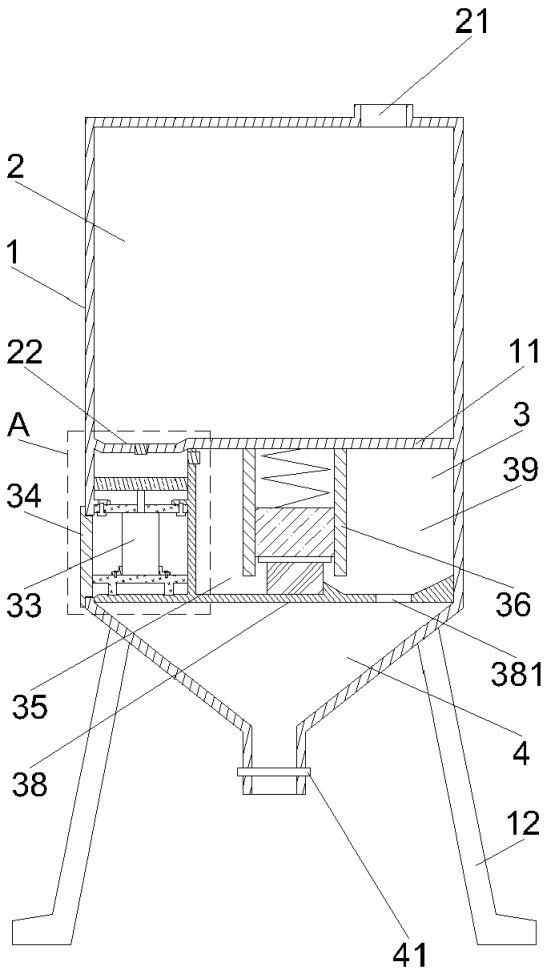
curing amnesia has low treatment costs and significant therapeutic effects without side effects.

21: 2024/02769. 22: 2024/04/10. 43: 2024/10/11
51: G01B
71: SHANDONG YOUTH UNIVERSITY OF POLITICAL SCIENCE, SHANDONG INSTITUTE OF METROLOGY
72: SHI, Yang, LI, Shuo
54: METHOD FOR EVALUATING TOLERANCE RANGE OF STRUCTURAL COMPONENT BASED ON LENGTH MEASUREMENT
00: -
The present disclosure relates to the technical field of structural component design, and discloses a method for evaluating a tolerance range of a structural component based on length measurement. The method includes: step 1. step of data acquisition; step 2. step of stress test; step 3. step of data analysis; step 4. step of model building; and step 5. step of implementation. In the present disclosure, comprehensive dimensional data can be obtained through multiple measurements and measurements at different locations, a failure probability of the structural component is evaluated based on the dimensional data of the same, and a permissible tolerance of the dimensional data is further determined.



21: 2024/02770. 22: 2024/04/10. 43: 2024/10/11
51: B65D
71: ZHEJIANG DOUBLE COLOR NEW MATERIAL CO., LTD.
72: FENG, Jie, LI, Chongxin, ZHOU, Xiaowei, CHEN, Qiaohong
54: CURING AGENT STORAGE DEVICE
00: -
Disclosed is a curing agent storage device. The curing agent storage device includes a shell; the interior of the shell is divided into a storage chamber and a discharge chamber by a partition plate; the discharge chamber includes a delivery chamber, a pressure chamber, and a side chamber; and a push plate capable of sliding back and forth is arranged in the delivery chamber, a one-way valve I in communication with the delivery chamber is mounted on the partition plate, the delivery chamber is in communication with the pressure chamber through a one-way valve II, a pressure block is mounted between the pressure chamber and the side chamber, and the pressure block can reciprocate to connect or separate the pressure chamber with or from the side chamber. The pressure chamber is separated from the side chamber by the pressure block that presses downwards, so as to prevent external air from entering the storage chamber via the pressure

chamber and the delivery chamber when a material is unloaded from the side chamber, and to ensure the storage effect of the material. The material inside the storage chamber is first sucked into the delivery chamber through the reciprocating movement of the push plate, and then pushed into the pressure chamber by the push plate. As the material inside the pressure chamber increases, the pressure inside the pressure chamber increases continuously until the pressure can push the pressure block to move, so that the pressure chamber is in communication with the side chamber, and the material is delivered to the outside via the side chamber.

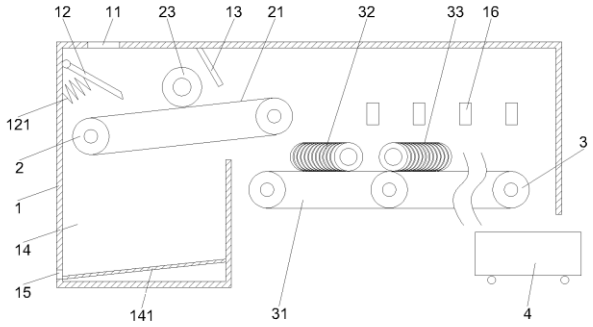


21: 2024/02771. 22: 2024/04/10. 43: 2024/10/11
51: C02F
71: ZHEJIANG HUIJIN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.
72: CAO, Haizhou, LIN, Lefeng, JIN, Zhihe, ZHAO, Ninglong, LEI, Zhiyin, ZHAO, Yanglei, ZHANG, Zhi, ZHAO, Zheng, CAO, Zhentao, YUAN, Dewen, XIN, Xiaotong, YE, Chao, FANG, Jiansheng, CHEN, Haijun

54: DEVICE FOR RECOVERING INDUSTRIAL WASTEWATER SLUDGE

00: -

Disclosed is a device for recovering industrial wastewater sludge. The device includes a frame, a water filtering assembly and a drying assembly are sequentially arranged inside the frame, the water filtering assembly is arranged obliquely upwards and located above the drying assembly, the drying assembly includes press rollers I and press rollers II spaced apart, the press rollers I and the press rollers II are distributed symmetrically and obliquely, and a plurality of hot air holes are sequentially arranged in a length direction of the drying assembly. Sludge is first squeezed through the water filtering assembly to remove water and then flattened by the press rollers I and the press rollers II that are distributed symmetrically and obliquely. Meanwhile, when the sludge is squeezed by the press rollers I and the press rollers II that are arranged obliquely, a force for squeezing the sludge towards one side is produced, and then the sludge is squeezed by mutual cooperation of the press rollers I and the press rollers II and spread to two sides in the squeezing process, thereby avoiding affecting the drying effect due to the accumulation of sludge and ensuring that the sludge can be fully dried.

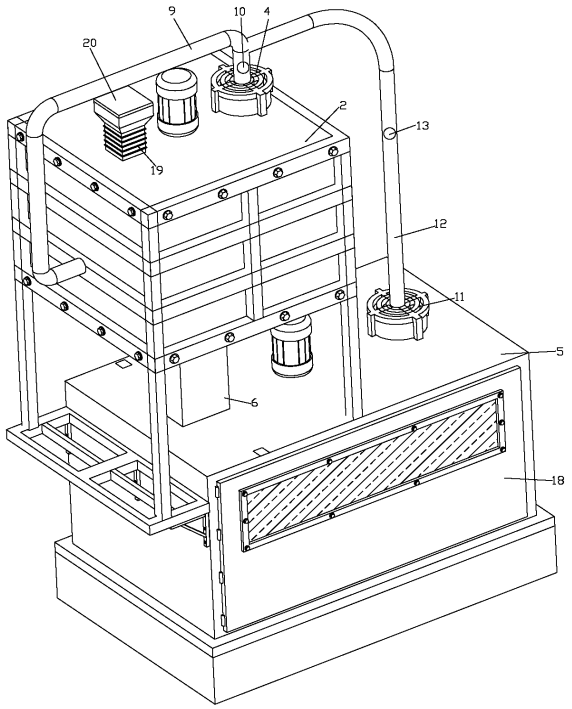


21: 2024/02772. 22: 2024/04/10. 43: 2024/10/11
51: C02F
71: ZHEJIANG SUICHANG HUIJIN NON-FERROUS METALS CO., LTD.
72: CAO, Haizhou, WAN, Meng, LIN, Hui, ZHOU, Pin, WANG, Jiangxu, ZHOU, Quanfa, SHI, liuqin, YANG, Zhiwei, ZHAO, Hanxiang, CAO, Zhentao, WANG, Shubo, SHI, Zuofan, SU, Wenya, LIN, Jiajia, LI, Huajie

54: DEVICE FOR TREATING HEAVY METAL WASTE LIQUID

00: -

The present invention relates to a device for treating heavy metal waste liquid, including a stirring tank with an internal chamber I, and further including a heating wire I, a fan I, a storage tank, a delivery pipe, and a sealing plate. The heating wire I is wound and fixedly connected inside the stirring tank, the storage tank is arranged below the stirring tank, a chamber II is formed inside the storage tank, the chamber II is in communication with the delivery pipe, and an end, away from the storage tank, of the delivery pipe is in communication with the stirring tank. The sealing plate is connected to the delivery pipe in a swing manner, with one end capable of being attached to the delivery pipe. The fan I is fixedly in communication with a top surface of the stirring tank. Waste liquid is filtered by evaporation, which can avoid poor filtering effect on the waste liquid due to untimely replacement of an activated carbon adsorption layer and a reverse osmosis membrane that are saturated. Meanwhile, the storage tank is utilized to collect heavy metals, thereby further improving the collection effect on the heavy metals and reducing waste of the heavy metals.



21: 2024/02773. 22: 2024/04/10. 43: 2024/10/11

51: C25B

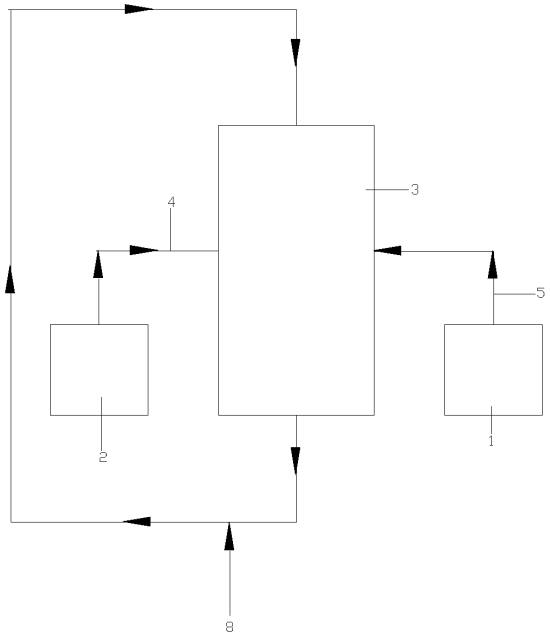
71: ZHEJIANG HONGHAO TECHNOLOGY CO., LTD.

72: BAO, Zhiquan, WANG, Ke, CHEN, Xianmei, WU, Changwen, WANG, Wei, YU, Bainiu

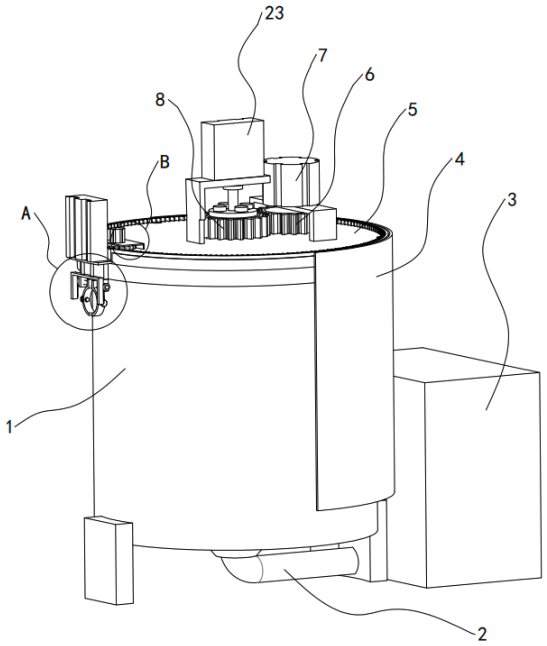
54: DEVICE AND METHOD FOR SYNTHESIZING STANNOUS OCTOATE

00: -

The present invention relates to a device and method for synthesizing stannous octoate, including a storage tank I, a storage tank II, and a mixing tank with an internal chamber, and further including a delivery pipe I and a delivery pipe II with nozzles, liquid pumps I located in the storage tank I and the storage tank II respectively, and a circulation mechanism, where the circulation mechanism is located at a bottom of the mixing tank, and one end is in communication with a top surface of the mixing tank through a circulation pipe; a plurality of nozzles are arranged, and the nozzles penetrate and are fixedly connected to the delivery pipe I and the delivery pipe II respectively; and the liquid pumps I are arranged in the storage tank I and the storage tank II respectively. A mixture is mixed in an impact manner, which can avoid blending of stirring blades due to long-term resistance. Meanwhile, the mixing is blocked by protrusions and stoppers on a spiral deflector I and a spiral deflector II, the mixture impacts the protrusions and the stoppers, and liquid in the mixture is mixed again, thereby further improving the mixing effect on the mixture.

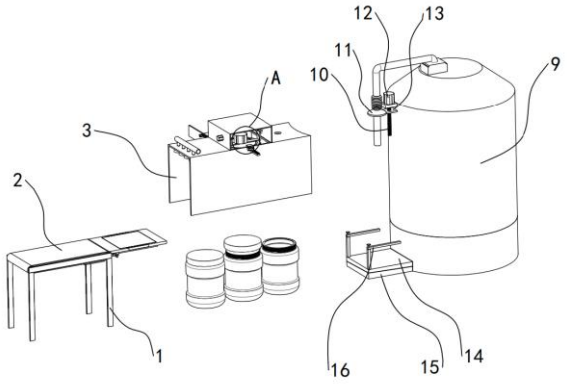


21: 2024/02774. 22: 2024/04/10. 43: 2024/10/11
51: C08K
71: ZHEJIANG HONGHAO TECHNOLOGY CO., LTD.
72: WANG, Ke, BAO, Zhiquan, CHEN, Xianmei, WU, Changwen, WANG, Wei, YU, Bainiu
54: PURIFICATION DEVICE FOR PRODUCING PHOSPHOTRIESTER FLAME RETARDANT
00: -
Disclosed is a purification device for producing a phosphotriester flame retardant. The purification device includes a kettle body and a cover, a central rod is arranged below the cover, a stirring rod is arranged on the central rod, and a distillation assembly is arranged outside the kettle body; a cavity is formed at a middle part of the central rod, through grooves are formed on a side wall of the cavity, and the stirring rod is rotatably connected to the through groove through a rotating rod; a rotating assembly is arranged on the cover, one end of the rotating assembly is connected to the central rod, and the rotating assembly can be driven to drive the central rod to rotate along its central axis; a push member I is further arranged on the cover, a support rod is arranged inside the cavity, one end of the push member I is connected to the support rod, and the support rod is sleeved with a push ring; and a clamping assembly is arranged on an outer side wall of the cover, the rotating assembly is arranged on an outer wall of the cover, one end of the rotating assembly is connected to the clamping assembly, and the rotating assembly can be driven to drive the clamping assembly to rotate an angle. Conventionally, the position of the stirring rod is fixed, flushing with a water pipe incurs in dead angles, and the water pipe is manually held, so the flushing is inconvenient. The present invention can reduce dead angles of flushing with a water pipe and facilitate flushing.



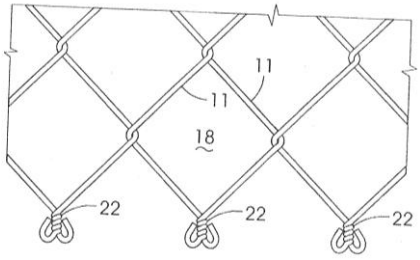
21: 2024/02775. 22: 2024/04/10. 43: 2024/10/11
51: C08G
71: ZHEJIANG HONGHAO TECHNOLOGY CO., LTD.
72: BAO, Zhiquan, WANG, Ke, CHEN, Xianmei, WU, Changwen, WANG, Wei, YU, Bainiu
54: PRODUCTION DEVICE FOR PREPARING STANNOUS OCTOATE
00: -
Disclosed is a production device for preparing stannous octoate. The production device includes a reaction kettle, and a delivery pipe is arranged on the reaction kettle; a conveying assembly for conveying a raw material barrel is arranged outside the reaction kettle; the conveying assembly includes a support frame and a conveyor belt, a guide frame is arranged on the support frame, two groups of clamping plates are arranged opposite in the guide frame, and an expansion box is arranged on the guide frame; a lifting assembly I is arranged in the expansion box, a rotating assembly is arranged on

the lifting assembly I, and the rotating assembly is connected to the clamping plates through push members I; the driven rotating assembly can drive the clamping plates to rotate around their central axes; an end of the delivery pipe is connected to an extension pipe through a telescopic cover, and a lifting assembly II is arranged on an outer wall of the reaction kettle and connected to the extension pipe; and the driven lifting assembly II can drive the extension pipe to move back and forth in a height direction of the reaction kettle. Conventional manual operation is prone to harming human health, with large amount of labor. The present invention can reduce the amount of labor and reduce the harm to human health.



21: 2024/02782. 22: 2024/04/10. 43: 2024/10/11
51: D03D
71: INNER MONGOLIA Kingdeer Cashmere Company Limited
72: Xiurong FAN
33: CN 31: 2022116325845 32: 2022-12-19
54: CASHMERE LOOP YARN WOVEN SCARF AND PRODUCTION PROCESS THEREOF
00: -
The present invention discloses a cashmere loop yarn woven scarf and a production process thereof. The production process includes: weaving solid yarns and woolen cashmere space dye decoration yarns on worsted polyester core yarns to form cashmere loop yarns; arranging woolen cashmere yarns and the cashmere loop yarns on a warp beam according to the warp pattern requirement and a warping process, drafting the warped warp yarns, and denting the drafted warp yarns according to the reed number selected on the basis of the warp density requirement and the denting number of each reed; mounting the warp beam after the drafting and reed denting processes on a weaving machine, manufacturing a pattern card according to a pattern card pattern, and weaving a gray fabric according to the weft density requirement and the weft pattern requirement; and performing after-finishing to obtain the cashmere loop yarn woven scarf.

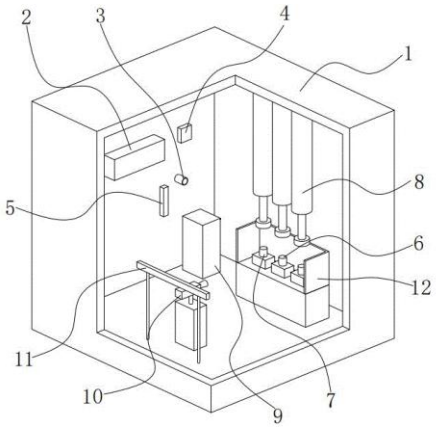
21: 2024/02806. 22: 2024/04/11. 43: 2024/10/14
51: E04H; E21D
71: MSP MINE SUPPORT PRODUCTS (PTY) LTD
72: NISSEN, Christian Engelstoft
33: ZA 31: 2023/08550 32: 2023-09-06
54: WIRE MESH SUPPORT
00: -
A support component which comprises a sheet of wire mesh, the sheet including a periphery and a plurality of projecting stubs of the wire at the periphery, and wherein adjacent stubs are respectively formed into a twisted section and cinched sections.



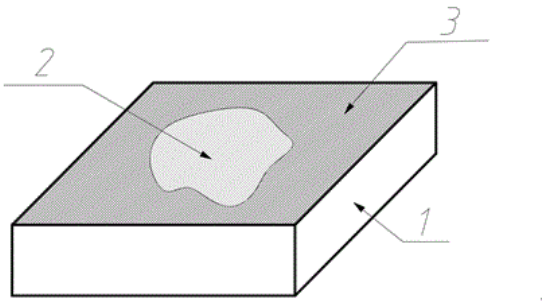
21: 2024/02807. 22: 2024/04/11. 43: 2024/10/11
51: A01K
71: Shanghai Academy of Agricultural Sciences, Shanghai Ying Tun Agricultural Technology Company, Limited
72: Wenzong ZHOU, Weiwei HUANG, Quan YUAN, Weiwei LV, Hang YANG, Xiao WANG, Yichen QIU
54: METHOD FOR THREE-DIMENSIONAL INDUSTRIALIZED CIRCULAR WATER AQUACULTURE OF MONOPTERUS ALBUS ZUIEW
00: -
The present invention discloses a method for three-dimensional industrialized circulating water aquaculture of Monopterus albus Zuiew, comprising the following steps: welding 3-8 layers of three-dimensional aquaculture frames with galvanized pipes inside the indor or empty room, laying canvas or high-density anti-seepage film on each layer of aquaculture frame to form a aquaculture pool; Place breeding nests in the aquaculture pool, and each

layer of the aquaculture pool has an independent circulating water filtration system; Then, water is released and Monopterus albus Zuiew seedlings are placed, and feed is strengthened for 3-5 months of aquaculture. The method for three-dimensional industrialized circular water aquaculture of Monopterus albus Zuiew in the present invention has the characteristics of easy operation, wide adaptability, and high economic benefits.

21: 2024/02808. 22: 2024/04/11. 43: 2024/10/11
51: G08B
71: Henan University of Urban Construction
72: Yiju Tang, Fangchao Lu, Sheng Liu, Wenfei Wang, Liguo Liu, Zhe Zhang, Yong'an Wang, Xun Liu, Jing Liu, Jingwei Du, Yachao Si, Haochang Wang, Dongdong Liang, Chaohan Li, Shun Wang
54: INFRARED RADIATION MONITORING AND EARLY WARNING DEVICE AND AN EARLY WARNING METHOD FOR THE DAMAGE EVOLUTION PROCESS OF GASSY COAL
00: -
The invention discloses an infrared radiation monitoring and early warning device and an early warning method for the damage evolution process of gassy coal. It is an infrared radiation monitoring and early warning device for the damage evolution process of gassy coal. It includes: intelligent cloud platform, underground monitoring terminal, danger warning agency and experimental testing agency; The experimental detection mechanism is connected with the intelligent cloud platform. The experimental detection mechanism is used to detect the infrared radiation characteristic value of the damage evolution process of gassy coal; The remote end of the downhole monitoring terminal is equipped with a plurality of infrared thermal imagers. The infrared radiation monitoring and early warning device and method of the damage evolution process of gassy coal are provided by setting intelligent cloud platform, underground monitoring terminal, danger warning mechanism and experimental detection mechanism. It can intelligently judge the possibility of coal seam fracturing according to the changes of infrared radiation of gassy coal, and give early warning of the impending gas outburst accident, thus reducing the possibility of catastrophic consequences and improving the production safety of coal mines.



21: 2024/02809. 22: 2024/04/11. 43: 2024/10/11
51: A01M
71: Northwest A & F University
72: Fang liuxin, Zhang kaiyu, Chen xin, Li jiang
54: INNER SURFACE OF SELF-CLEANING SPRAYER TANK BASED ON LASER-INDUCED MICRO-NANO COMPOSITE STRUCTURE
00: -
The invention belongs to the technical field of micro-nano composite materials, and in more particular, relates to an inner surface of a self-cleaning sprayer tank based on a laser-induced micro-nano composite structure, including a base structure, a primary silica nano-coating and a secondary micron structure. The primary silica nano-coating is attached to the surface of the secondary micron structure. The secondary micron structure is directly etched on the surface of the base structure using a nanosecond laser and is composed of a plurality of mutually parallel straight lines neatly arranged at a fixed interval. This application uses a low-cost ordinary laser to obtain different micron structures on the surface of the base structure by changing the laser parameters, then by providing a silica nano-coating, produces a micro-nano composite superhydrophobic surface with excellent stability and a hydrostatic contact angle larger than 150°, a rolling angle smaller than 10°. The process is simple, the cost is low, and it has considerable performance in self-cleaning the inner surface of the sprayer tank.
Fig. 1

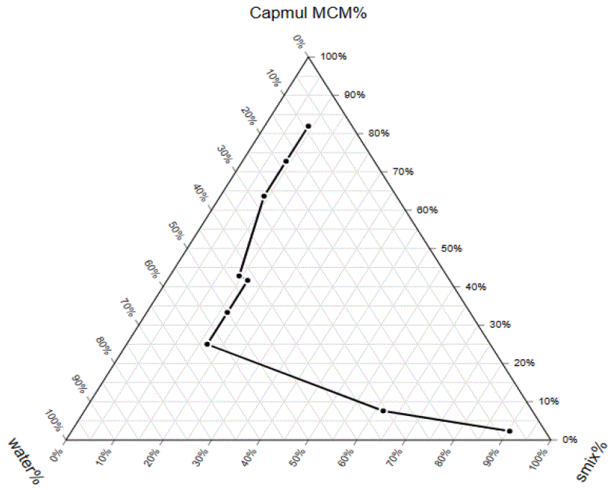


21: 2024/02813. 22: 2024/04/11. 43: 2024/10/16
51: A61K
71: Dr. Harita Ramchandra Desai, Ms. Akanksha Rajendra Kolhe, Ms. Neha Omprakash Raghuvanshi, Mr. Bhushan Shashikant Bhale, Dr. Kiran Chandrakant Mahajan, Prof. Poonam Sunil Aher, Ms. Shashikala Raosaheb Bulgunde, Mr. Nitin Vilas Kokare, Prof. Supriya Sharad Bhosale, Mr. Parth Ramesh Gharat
72: Dr. Harita Ramchandra Desai, Ms. Akanksha Rajendra Kolhe, Ms. Neha Omprakash Raghuvanshi, Mr. Bhushan Shashikant Bhale, Dr. Kiran Chandrakant Mahajan, Prof. Poonam Sunil Aher, Ms. Shashikala Raosaheb Bulgunde, Mr. Nitin Vilas Kokare, Prof. Supriya Sharad Bhosale, Mr. Parth Ramesh Gharat

54: DEVELOPMENT OF CURCUMIN NANOGEL FOR SKIN REJUVENATION AND ANTI-AGING

00: -

The present invention relates to a novel nanoemulgel formulation comprising curcumin nanoparticles dispersed within a gel matrix. The composition includes Carbopol® 971P as the gel matrix, glycerin as a humectant, and triethanolamine for pH adjustment. The curcumin nanoparticles, encapsulated within a surfactant-coated lipid layer, exhibit enhanced stability and skin penetration. The method involves screening excipients, conducting emulsification studies, and constructing pseudo-ternary phase diagrams to optimize nanoemulsion formulation. Curcumin-loaded nanoemulsions are prepared using high-energy ultrasonication and incorporated into the gel matrix to form the stable nanoemulgel. This innovative formulation offers potent antioxidant and anti-inflammatory effects, making it suitable for skin rejuvenation and anti-aging purposes.

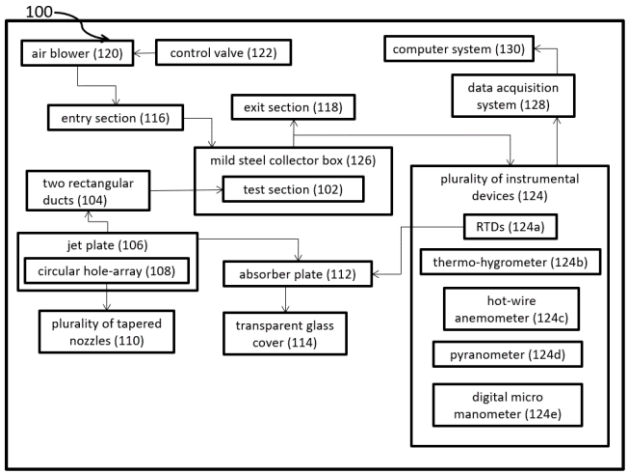


21: 2024/02815. 22: 2024/04/11. 43: 2024/10/16
51: H01L
71: National Institute of Technology Silchar, Supreme Das, Dr. Agnimitra Biswas, Dr. Biplab Das
72: Supreme Das, Dr. Agnimitra Biswas, Dr. Biplab Das

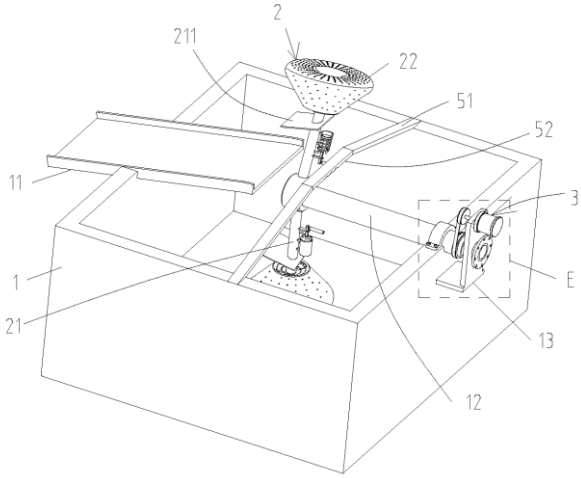
54: A JET IMPINGEMENT TECHNIQUE-BASED SOLAR-THERMAL AIR COLLECTOR SYSTEM FOR ENERGY AND EXERGY ANALYSIS AND A METHOD THEREOF

00: -

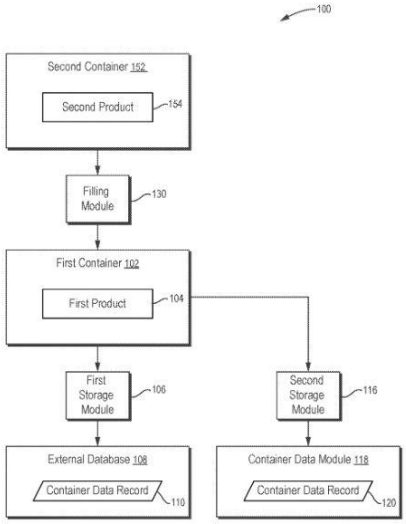
The present disclosure relates to a solar-thermal air collector (STAC) system for energy and exergy analysis, comprising a test section with two rectangular ducts, a jet plate with a tapered-nozzle-array, an absorber plate, and a glass cover. An air blower and control valve regulate air flow, creating air jets that impinge on the absorber plate, generating turbulence. The system is positioned for maximum solar radiation absorption. Instrumentation measures temperatures, humidity, air velocity, solar radiation, and pressure drop. The tapered-nozzle-array increases air jet thrust on the absorber plate, influencing turbulence and enhancing heat transfer. Results show a maximum thermal efficiency of 81.48%, exergy efficiency of 23.63%, Nusselt number of 191.71, and thermal enhancement factor of 3.04 (204% improvement) at peak conditions. Solar radiation absorption is the major exergy loss contributor (47-64%). The design outperforms conventional and other jet impingement configurations, demonstrating improved thermal and exergy performance.



21: 2024/02817. 22: 2024/04/10. 43: 2024/10/16
51: C07C; E02D
71: CHINA RAILWAY SEVENTH GROUP GUANGZHOU ENGINEERING CO., LTD, XIANGTAN UNIVERSITY
72: LI, Jianguo, ZHAO, Xiaolu, PENG, Lei, WEI, Fujun, WU,Yang, SHI, Jianxin, ZHANG, Geping, XIAO, Chuanyu, WEI, Chaoliang, HAO, Jianbo, HE, Tianci, KONG, Xiangquan, WANG, Yunlong, QIN, Hao, PENG, Guangyi, WANG, Lei, CHEN, Bin, LUO, Xiaoguang, XU, Ping
33: CN 31: 202311214969.4 32: 2023-09-18
54: BRIDGE PILE FOUNDATION EXCAVATION MUD SEPARATION AND PURIFICATION DEVICE
00: -
The present disclosure discloses a bridge pile foundation excavation mud separation and purification device, including a temporary storage tank and a sedimentation tank. One side of the temporary storage tank is fixedly connected to a sludge guide groove, and the other side of the temporary storage tank is rotatably connected to a circular pipe. The temporary storage tank is fixedly connected to a bracket. The bracket is fixedly connected to an inner pipe. The circular pipe is rotatably sleeved outside and rotatably connected to the inner pipe. The other end of the inner pipe is connected to a water pump. The other end of the circular pipe is fixedly connected to a pumping and filtering device. According to the present disclosure, a driving device drives the circular pipe to rotate a filter cartridge positioned in the temporary storage tank to a position above. Under an action of gravity, crushed stones are discharged from a discharge port and are guided from a guide inclined plate to the sludge guide groove for discharging, which facilitates the separation of the crushed stones and debris from the mud and reduces the influence of the crushed stones on the pumping of mud water.



21: 2024/02819. 22: 2024/04/11. 43: 2024/10/16
51: G06Q
71: AMVAC HONG KONG LIMITED
72: RICE, Richard L., TROGELE, Ulrich G., JAMES, Kent W.
33: US 31: 63/245,184 32: 2021-09-16
54: SECURE AND VERIFIABLE TRACKING OF AGRICULTURAL PRODUCTS
00: -
A computer-implemented system and method to collect and store data related to product stored in a container. In response to filling the container with the product, the following data are stored in at least one first record in an external database (such as a distributed ledger, e.g., blockchain): a product type of the first product; an amount of the first product filled into the first container; a unique identity of the first container; and a unique identity of a first user of the first container at the time of filling the first container with the first product. Data representing a unique identity of a container data module on the container are stored in the container data module. As the container moves, dispenses product, and undergoes changes in possession and ownership, data representing such events are stored in the distributed ledger and/or the container data module.

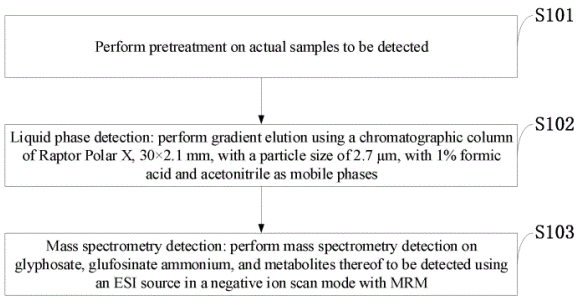


21: 2024/02841. 22: 2024/04/12. 43: 2024/10/17
51: G01N
71: Zhejiang Citrus Research Institute
72: YAO, Zhoulin, WU, Shaohui, LIN, Mei, FENG, Xianju, ZHANG, Weiqing, WANG, Tianyu, WANG, Yue

54: HPLC-MS/MS METHOD FOR DETERMINING GLYPHOSATE, GLUFOSINATE AMMONIUM, AND METABOLITES THEREOF

00: -

The present invention is in the technical field of compound detection, and discloses a high performance liquid chromatography-tandem mass spectrometry (HPLC-MS/MS) method for determining glyphosate, glufosinate ammonium, and metabolites thereof, the method including: performing pretreatment on actual samples to be detected: adding frozen fruits and vegetables and dry ice into a mortar to grind into a fine powder state; accurately weighing 5.0 g of sample powder before adding into a 50 mL of centrifuge tube; adding 10.0 mL of methanol containing 1.0 percent of formic acid into the centrifuge tube; shaking the centrifuge tube by hand for 1 min before mechanically shaking vigorously for 5 min, centrifuging at 8000 rpm for 5 min, and finally filtering with a 0.22 micron filter to obtain supernatant; developing the chromatography-mass spectrometry method according to structural characteristics of compounds; and analyzing target compounds using a detector.

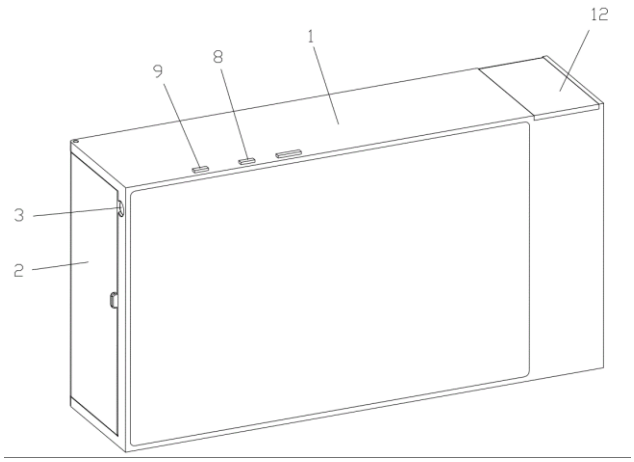


21: 2024/02843. 22: 2024/04/12. 43: 2024/10/17
51: A24D
71: The Second People's Hospital of Lishui
72: Yue Jing, Min Guoqing, Song Xufeng, Zhong Jian, Kang Yanbao, Li Xuhong, Xu Wenqiang, Piao Quanjun, Zhang Yubo, Wang Yizhu, Bai Lu, Ma Sanya

54: PROGRESSIVE SMOKING CESSATION ASSIST DEVICE

00: -

Disclosed is a progressive smoking cessation auxiliary device, including a cigarette-locking box. The cigarette-locking box includes a box body and a box cover hinged to one end of the box body, a rectangular concave cavity is arranged on a side of a front of the box body, and the rectangular concave cavity is arranged with an automatic lock for locking the box cover, a processor, a memory, a touch screen, a battery, a power switch and an automatic lock switch; and video data for a pleasant emotion is stored in the memory. The progressive smoking cessation auxiliary device of the present invention can help an ex-smoker observe a set smoking interval target. The box cover of the cigarette-locking box cannot be opened before the set smoking interval target is reached, so that the ex-smoker cannot take out cigarettes from the box; and at the same time, the progressive smoking cessation auxiliary device can provide the video data for a pleasant emotion or games for the ex-smoker to help the ex-smoker disperse a negative emotion during the onset of smoking addiction, to better help the ex-smoker to keep the willpower of smoking cessation and reach the goal of smoking cessation.

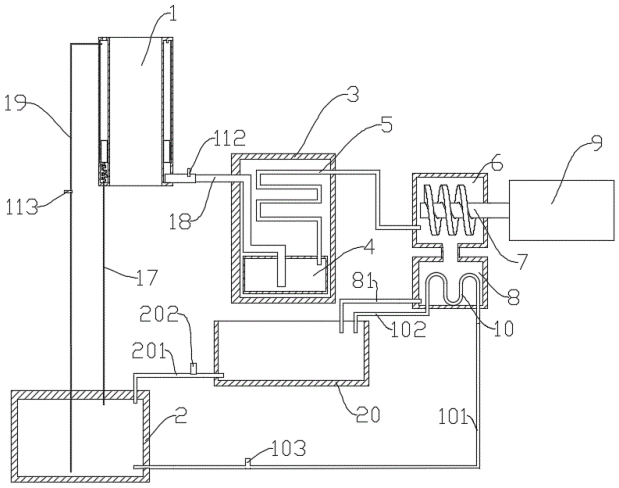


21: 2024/02844. 22: 2024/04/12. 43: 2024/10/17
51: F28D
71: Anhui Main Energy Technology CO., LTD
72: Zhang Jianjun, Li Gang, Mao Feng
33: CN 31: 202410338740.X 32: 2024-03-25

54: SYSTEM AND DEVICE FOR STORING ELECTRIC ENERGY AND HIGH-TEMPERATURE FLUE GAS WASTE HEAT

00: -

The present invention provides a system and device for storing electric energy and high-temperature flue gas waste heat, falling within the technical field of energy storage. The system includes a heat recovery module, a hot gas conversion module, a power generation module and a control module. The heat recovery module uses high-temperature flue gas waste heat to heat liquid; the hot gas conversion module is used for reheating the liquid heated by the heat recovery module to convert the same into steam; the power generation module drives a machine to rotate by the steam generated by the hot gas conversion module to convert the same into mechanical energy, and then converts the mechanical energy into electric energy; and the control module is used for controlling operations of other modules. According to the system and device for storing electric energy and high-temperature flue gas waste heat of the present invention, the liquid can be heated by high-temperature flue gas by arranging the heat recovery module and the hot gas conversion module, the liquid can be heated again to evaporate to form the steam; and the system and device utilize the heat of the high-temperature flue gas compared with conventional power generation system that directly heats cold water and evaporates the same.

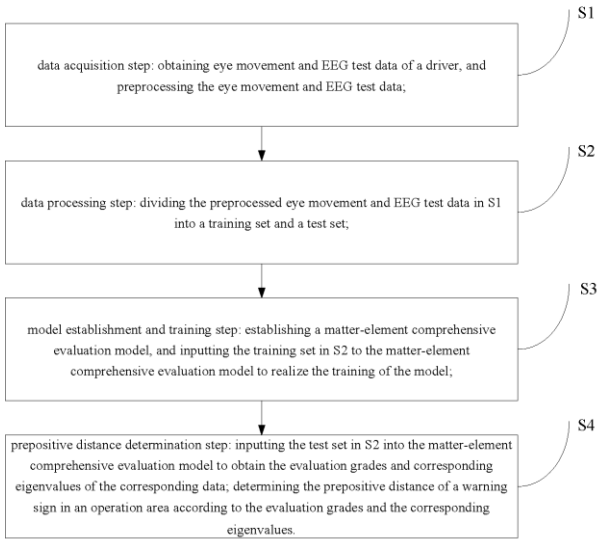


21: 2024/02846. 22: 2024/04/12. 43: 2024/10/17
51: G06F
71: FUZHOU UNIVERSITY
72: LI, Congying, YANG, Yanqun

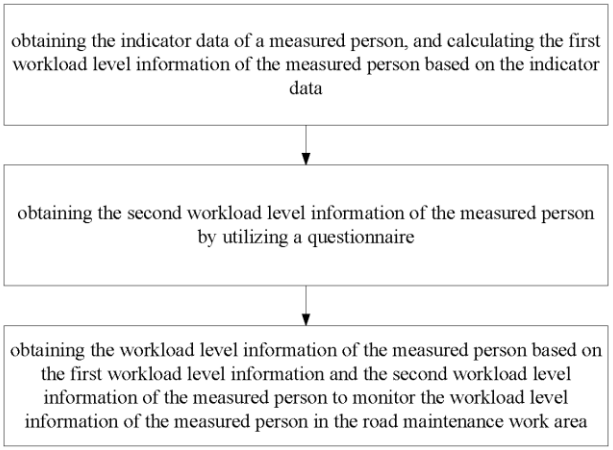
54: METHOD AND SYSTEM FOR DETERMINING STANDARD PREPOSITIVE DISTANCE OF WARNING SIGN IN OPERATION AREA

00: -

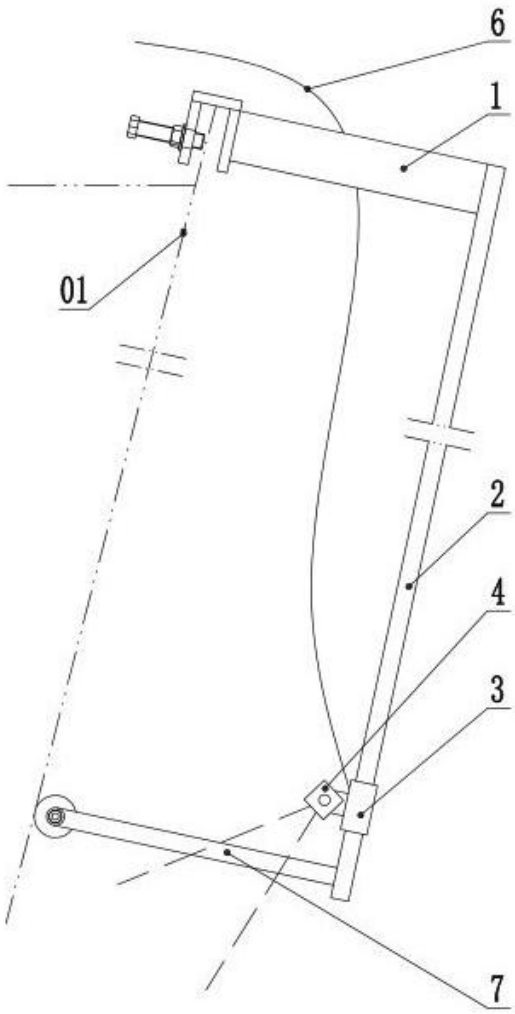
A method and a system for determining a standard prepositive distance of a warning sign in an operation area are disclosed by the present disclosure which relate to the technology field of traffic safety in the operation area. The method includes S1, obtaining eye movement and EEG test data of a driver, and preprocessing the eye movement and EEG test data, S2, dividing the preprocessed eye movement and EEG test data into a training set and a test set, S3, establishing a matter-element comprehensive evaluation model, and inputting the training set to the matter-element comprehensive evaluation model to realize a training of the model, and S4, inputting the test set into the matter-element comprehensive evaluation model to obtain evaluation grades and corresponding eigenvalues of the corresponding data; determining a prepositive distance of a warning sign in an operation area according to the evaluation grades and the corresponding eigenvalues.



21: 2024/02847. 22: 2024/04/12. 43: 2024/10/17
51: A61B; G06Q
71: FUZHOU UNIVERSITY
72: LI, Congying, YANG, Yanqun
54: METHOD AND SYSTEM FOR MONITORING DRIVER WORKLOAD BASED ON ROAD MAINTENANCE
00: -
A method and a system for monitoring driver workload based on road maintenance is disclosed by the present disclosure which relate to the technical field of road traffic safety. The method includes obtaining indicator data of a measured person, and calculating first workload level information of the measured person based on the indicator data; obtaining second workload level information of the measured person by utilizing a questionnaire; and obtaining workload level information of the measured person based on the first workload level information and the second workload level information of the measured person to monitor the workload level information of the measured person in a road maintenance work area.



21: 2024/02848. 22: 2024/04/12. 43: 2024/10/17
51: B63B
71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: LIU, Zailiang, JIA, Panpan, SUN, Qimeng
54: SHIP DRAFT MEASUREMENT DEVICE
00: -
The present disclosure discloses a ship draft measurement device, including: a suspension bracket, mounted on a ship side; a sliding rail, mounted on the suspension bracket and extending along the ship side towards a water surface; a sliding frame, sliding up and down along the sliding rail; a camera, mounted on the sliding frame and configured to obtain image information of ship draft; and a driving mechanism, providing power for the sliding frame to slide up and down. The camera of the present disclosure can fall off along the suspension bracket under the driving of the driving mechanism, which can ensure good stability and high adaptability to harsh climates. The suspension bracket can also be conveniently removed. The ship draft measurement device, as a simple fixture, can ensure good measurement accuracy and high working efficiency during measurement of the ship draft. Meanwhile, the ship draft measurement device has extremely low cost and is easy to promote. Compared with equipment of the same type, the ship draft measurement device has outstanding advantages.

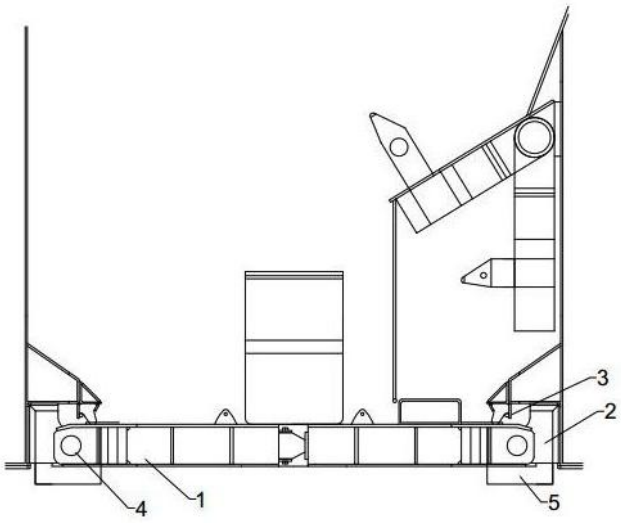


21: 2024/02851. 22: 2024/04/12. 43: 2024/10/17
51: B23K; E02F
71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: PANG, Jun, LIU, Zailiang

54: MOUNTING PROCESS OF SQUARE HOPPER DOOR OF DREDGER

00: -

A mounting process of a square hopper door of a dredger includes ten steps. According to the mounting process of the square hopper door of the dredger, in an assembling process of the square hopper door, after a hopper door ear plate and a hopper door body are connected through a pin shaft, horizontal positions of the ear plate and the hopper door are adjusted to ensure that the ear plate and the hopper door are horizontally consistent; the hopper door is then pushed into a doorway and is leveled by jacks; and the ear plate is spot-welded. The operation directly adjusts the horizontal positions of the ear plate and the hopper door body to cause shaft holes to reach the same position, without performing secondary machining on the shaft holes after the mounting is completed; operation procedures are reduced; the workload of a worker is reduced; and the working efficiency is higher.



21: 2024/02852. 22: 2024/04/12. 43: 2024/10/17
51: D04H
71: ANHUI POLYTECHNIC UNIVERSITY
72: SUN, Yanyan, NIE, Wenqi, ZHOU, Wanyu, LI, Bingbing

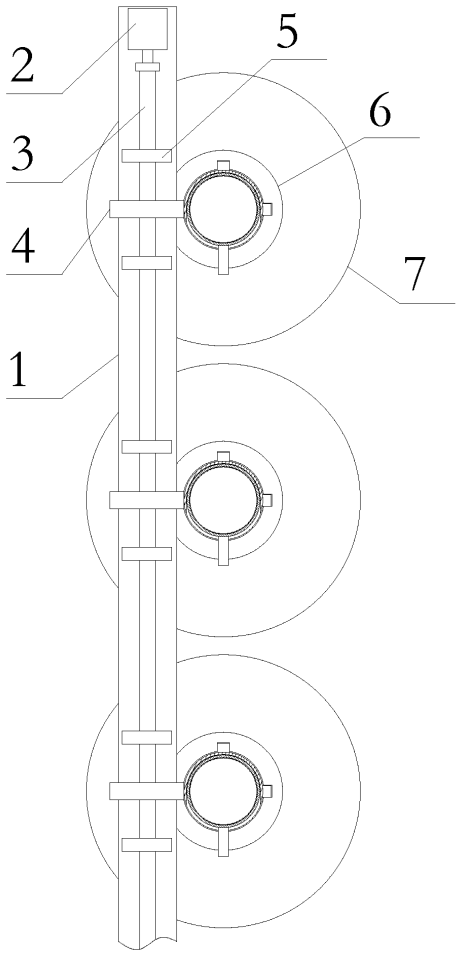
54: A PREPARATION METHOD OF ELECTROMAGNETIC SHIELDING COMPOSITE FIBER MEMBRANE

00: -

The present invention provides a preparation method of electromagnetic shielding composite fiber membrane, comprising the following steps: Step 1, disperse graphite in a first solvent to form a stable suspension, mix the suspension with a pick ball, and obtain the ground graphite after ball milling and drying; Step 2: Mix and disperse the ground graphite with silane coupling agent in a second solvent, and after coupling treatment, obtain coupling agent treated graphite; Step 3: Prepare potassium hydroxide/urea aqueous solution; Step 4: Prepare cellulose solution; Step 5: Prepare polyaniline/cellulose solution; Step 6: Mix the coupling agent treated graphite and polyaniline/cellulose solution to form a dispersion; Step 7: Electrospinning the dispersion obtained in

Step 6 to obtain the electromagnetic shielding composite fiber membrane. The electromagnetic shielding composite fiber membrane prepared by the present invention has good electromagnetic shielding performance and can be widely used in fields such as conductive materials, anti-static materials, battery shielding materials, and piezoelectric sensors.

21: 2024/02853. 22: 2024/04/12. 43: 2024/10/17
51: D01H; D02H
71: ANHUI POLYTECHNIC UNIVERSITY
72: SUN, Yanyan, NIE, Wenqi, ZHOU, Wanyu, LI, Bingbing
54: A CLAMPING COMPONENT FOR SPINNING AND WARPING
00: -
This manual provides one or more embodiments of a clamping component for spinning and warping, related to the textile field, including a column and a clamping piece arranged on the column. The clamping piece is equipped with through holes that run through both ends, and the clamping piece corresponds one-to-one with the insertion rod of the hanging tube yarn; The suction pump, sleeve, and guide tube passing through a through hole are equipped with a sleeve at one end of the guide tube, and the other end is connected to the suction pump through a trachea; Set at the driving part of the column; After the insertion rod is in direct contact with the sleeve, the driving part drives the guide cylinder to move in the direction of the insertion rod, so that the sleeve covers the yarn in the tube; After all the yarns on the tube yarn are used up, the driving part drives and guides the tube to move away from the insertion rod, causing the tube yarn to detach from the sleeve; The circular ring has an opening on the side surface near the trachea of the guide tube, which allows the circular ring to pass through the opening and move inside the guide tube before the suction pump starts. Through this device, it is possible to quickly identify the thread ends of the tube yarn and thread them through the clamping piece, making the operation simple and improving work efficiency.



21: 2024/02854. 22: 2024/04/12. 43: 2024/10/17
51: B01D; B60H
71: ANHUI POLYTECHNIC UNIVERSITY
72: LI, Min, XING, Yingmei, GU, Chunhua, ZHANG, Xiaowei, QI, Renjie, YAN, Jiaxin, YU, Jun, GU, Yimai, WANG, Yi, WANG, Zhidong, DING, Ru
54: A QUICK DRYING HUIZHOU OPERA COSTUME WITH VENTILATION DEVICE
00: -
The present invention relates to the field of costume technology and discloses a quick drying Huizhou opera costume with ventilation device, including a costume jacket. The costume jacket is equipped with a costume shirt, and the back of the costume shirt is provided with evenly distributed heat dissipation holes. The inner surface of the costume jacket is provided with a through-hole, and the outer side of the through-hole is provided with a magic hair surface. The outer side of the magic hair surface is provided with a magic hook surface, and the outer side of the magic hook surface is fixedly connected to an installation ring. There are two limit slots inside

the installation ring, and a fixed frame is set inside the installation ring. The upper and lower ends of the fixed frame are fixedly connected to a stable block, and a heat dissipation fan is set inside the fixed frame. The fixing bracket is fixedly connected with fixing blocks on both sides. In the present invention, the cooling fan can be disassembled and installed through the cooperation of a limit block, a fixed plate, a sliding groove, a limit block, a pull rod, a pull plate, a spring, and a support plate.

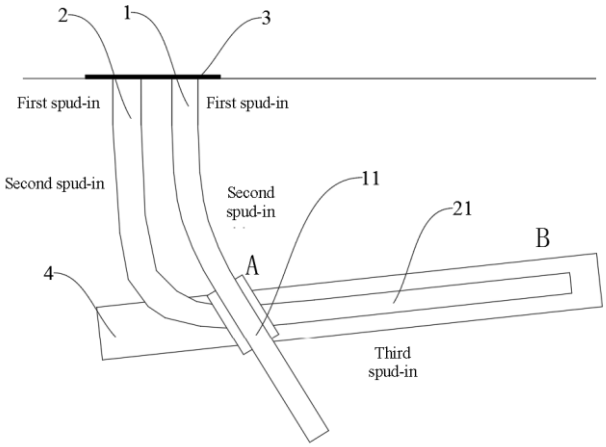


21: 2024/02880. 22: 2024/04/12. 43: 2024/10/17
51: E21B
71: PING'AN COAL MINE GAS CONTROL NATIONAL ENGINEERING RESEARCH CENTER CO., LTD, HUAINAN MINING (GROUP) CO., LTD
72: CHEN, Benliang, LI, Ping, WANG, Chuanbing, FENG, Anxiang, NIU, Ben, JIANG, Ziliang, ZHOU, Tao, YANG, Wei

54: WELL TYPE STRUCTURE CONNECTING NEAR END OF SINGLE WELL SITE TO COAL SEAM GAS AND METHOD FOR DRILLING THE SAME

00: -

The present invention discloses a well type structure connecting a near end of a single well site to coal seam gas, including an engineering well and a drainage well. The engineering well and the drainage well are drilled in the same well site, and the engineering well and the drainage well can be connected and communicated. The present invention further discloses a method for drilling the well type structure connecting a near end of a single well site to coal seam gas. According to the present invention, the engineering well and the drainage well are constructed in the same well site, the engineering well and the drainage well are communicated, and when a screw pump is lowered into the drainage well to drain water, gas recovery is conducted simultaneously from the two wells. Compared with a U-shaped well, the present invention has advantages of omitting one well site, omitting construction of one pilot hole, simplifying a coal seam gas transport pipeline and reducing development costs; and compared with an L-shaped horizontal well, the present invention has advantages of reducing a dogleg degree, lowering the screw pump to a location below the elevation of a point A and generally improving the drainage gas recovery effect.



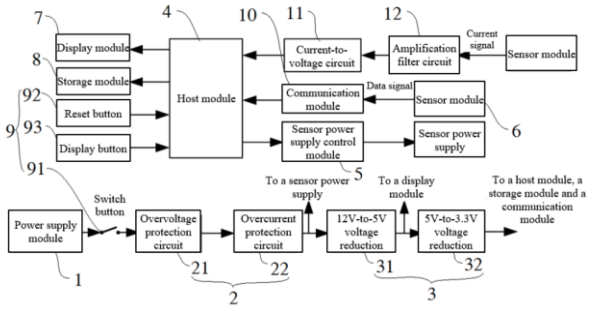
21: 2024/02881. 22: 2024/04/12. 43: 2024/10/17

51: G01B
71: PING'AN COAL MINE GAS CONTROL NATIONAL ENGINEERING RESEARCH CENTER CO., LTD, HUAINAN MINING (GROUP) CO., LTD
72: CHEN, Benliang, LEI, Chengxiang, WANG, Chuanbing, FENG, Anxiang, CHENG, Haiyan, NIU, Ben

54: MEASUREMENT HOST SYSTEM FOR LOW-POWER-CONSUMPTION COAL SEAM EXPANSION DEFORMATION

00: -

Disclosed in the present invention is a measurement host system for low-power-consumption coal seam expansion deformation. A power supply is connected to a main control module, a sensor module, a display module and a storage module, respectively after passing through a power supply protection module; an input end of the main control module is connected to the sensor module; an output end is connected to the sensor module after passing through a sensor power supply control module, and the output end is further connected to the display module and the storage module, respectively; and the sensor power supply control module can control the on and off of the sensor module. Further disclosed in the present invention is a working method using the host system. According to the present invention, a device is powered by the power supply, the sensor module is configured to measure the deformation quantity of the coal seam, and the sensor power supply control module can control the on and off of the sensor and can control the off of a sensor when not working, thereby ensuring that the device is always kept at lower power consumption. Compared with the prior art, under the condition of the same power supply, the present invention has the advantages of capability of performing detection for a longer time and no need to frequently replace batteries.



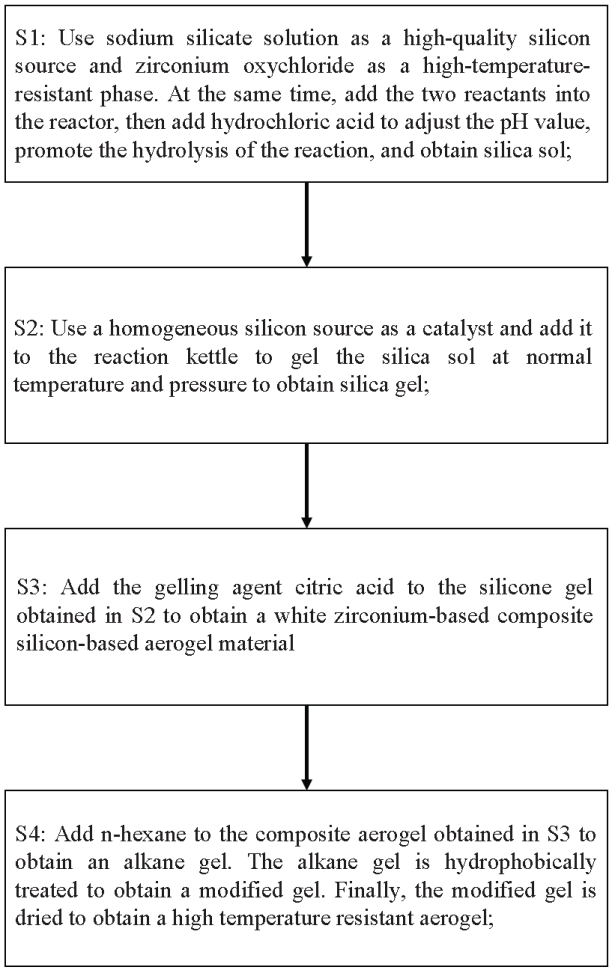
21: 2024/02885. 22: 2024/04/15. 43: 2024/10/17
51: A61F; C10N
71: ANHUI POLYTECHNIC UNIVERSITY
72: NIE, Wenqi, SUN, Yanyan, HU, Qiaole, ZU, Yifan, WANG, Chenglong, ZHENG, Xianhong, ZHAI, Xueting, XU, Jing

54: A PREPARATION METHOD AND DEVICE OF HIGH-TEMPERATURE THERMAL AEROGEL

00: -

The invention relates to the technical field of aerogel preparation, in particular to a preparation method and device of high-temperature thermal aerogel. The preparation method comprises the following steps: first, sodium silicate solution is selected as a high-quality silicon source, zirconium oxychloride is selected as a high-temperature resistant phase, and at the same time, two reactants are added into the reactor, and then hydrochloric acid is added to adjust the pH value, promote the hydrolysis of the reaction, and obtain silica sol; Step 2: use the homogeneous silicon source as the catalyst, add it to the reaction kettle, make the silica sol gel under normal temperature and pressure, and get the silicon gel; Step 3: add gel agent citric acid to the silicon gel obtained in S2 to obtain white zirconium based composite silicon based aerogel material; Step 4: add n-hexane to the composite aerogel obtained in S3 to obtain an alkane gel. The alkane gel is hydrophobic treated to obtain a modified gel. Finally, the modified gel is dried to obtain a high-temperature resistant aerogel; The invention uses zirconium based materials and silicon based materials to carry out simultaneous sol gel, and realizes the two-phase composite structure of aerogel at the molecular level. By setting an overturning mechanism, it is beneficial to improve the two-phase mixing efficiency and drying speed, thus improving the molding of composite aerogel. The composite aerogels obtained have high temperature resistance, low thermal conductivity and

high temperature resistance better than traditional aerogels.

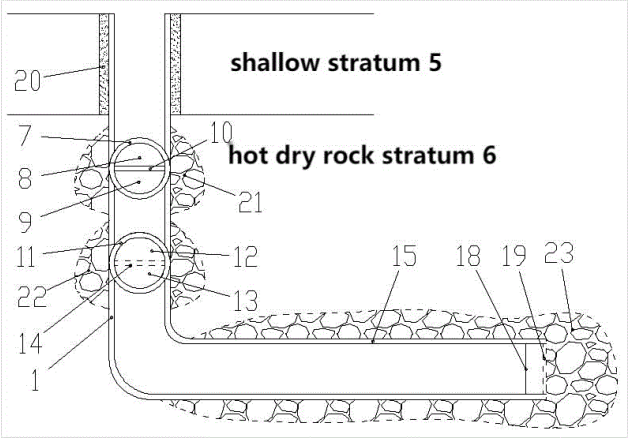


21: 2024/02886. 22: 2024/04/15. 43: 2024/10/17
51: A61K
71: LI, Jining
72: LI, Jining, XUE, Yushan
54: WOODY PLANT FERMENTED PRODUCT, PREPARATION METHOD, FEED, AND APPLICATION THEREOF
00: -
The present invention discloses a woody plant fermented product, a preparation method, a feed, and application thereof, and falls within the technical field of animal feeds. In the present invention, woody plants are mixed and fermented with calcium carbonate, fresh hawthorn, lactic acid bacteria, Lentinus edodes, Ganoderma tsugae fungus, cellulase, pectinase, amylase, xylanase, Bacillus natto, and water to obtain a pretreated material; and the pretreated material is turned and then anaerobically fermented to obtain the woody plant fermented product. In the present invention, the woody plant fermented powder has increased contents of crude protein and crude fat and decreased content of crude fiber, is easy to be digested and absorbed by animals, is rich in various nutrients such as polyphenols, and has a full aroma and good palatability. A feed prepared by the fermented powder has a high nutritional value.

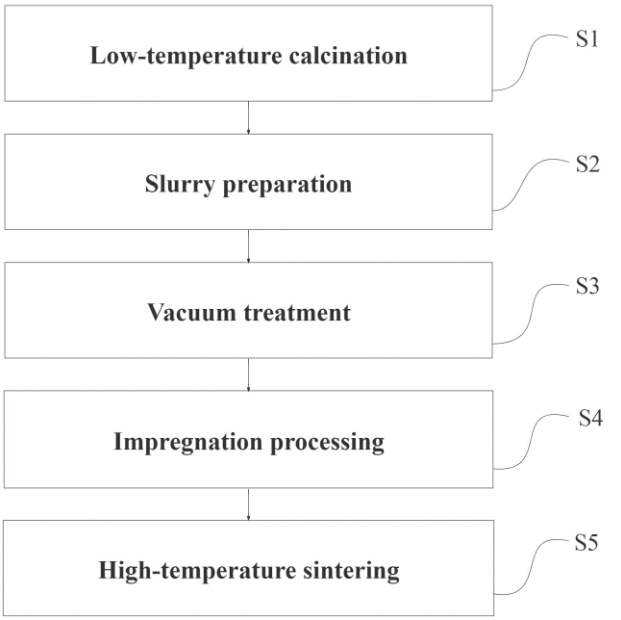
21: 2024/02889. 22: 2024/04/15. 43: 2024/10/17
51: B60T
71: Lingnan Normal University
72: Chen jing yuan, Xiao shui qing, Chen yu lin
33: CN 31: 202310500943X 32: 2023-05-05
54: A VEHICLE EMERGENCY BRAKING METHOD
00: -
The disclosed method involves detecting the speed of the braking wheel hub and the travel of the brake pedal using wheel speed sensors and variable resistance sensors, respectively. Signals from these sensors are sent to the electronic control unit, which compares the real-time signals with standard data stored in the data storage unit. If the comparison shows normal braking, no action is taken. However, if an anomaly is detected, the electronic control unit activates the braking unit through the electronic braking unit. This system enables automatic braking without manual intervention in case of brake failure, enhancing safety and reliability in vehicles.

21: 2024/02892. 22: 2024/04/15. 43: 2024/10/17
51: E21B
71: Pingdingshan Tianan Coal Mining Co., Ltd., Henan Polytechnic University, China Pingmei Shenma Energy And Chemical Group Co., Ltd.
72: LI, Yanhe, WANG, Xinyi, Xinyi WANG, XIA, Daping, YANG, Guohe, YU, Zhenzi, HU, Cheng, ZHANG, Pingqing, ZHANG, Bo, LI, Fang, LIAO, Jiajia, YUAN, Xiaoying, WANG, Yingde, JING, Changsheng, SANG, Xiangyang, JI, Hongbing, YANG, Haoju
54: BRANCHING CYCLE GEOTHERMAL WELL FOR MINING HOT DRY ROCK GEOTHERMAL ENERGY
00: -
The present invention provides a branch circulation geothermal well for mining hot dry rock geothermal energy, which comprises a main well, a left-sloping branch well, a right-sloping branch well and a

horizontal well, the main well being set vertically, the main well extending downwardly from the ground surface to the dry thermal rock formation, the left-sloping branch well, the right-sloping branch well and the horizontal well being located within the dry thermal rock formation; the left-sloping branch well being low left and high right inclined setting, the right port of the left-sloping branch well is connected to the left side of the main well, the right-sloping branch well is low right and high left inclined setting, the left port of the right-sloping branch well is connected to the right side of the main well, and the horizontal well is horizontally set up along the course of the rock formation, and the front port of the horizontal well is connected to the lower port of the main well. Through the design of the water flow circulation system, the present invention adopts branch wells of different layers in different directions, combined with horizontal wells, to realize multiple circulation flow of water flow in a three-dimensional space, and in this way maximizes the use of the heat of the dry-heated rock layer without environmental pollution, and provides a new conception and a new way of thinking for the exploitation of the dry-heated rock-type geothermal heat.

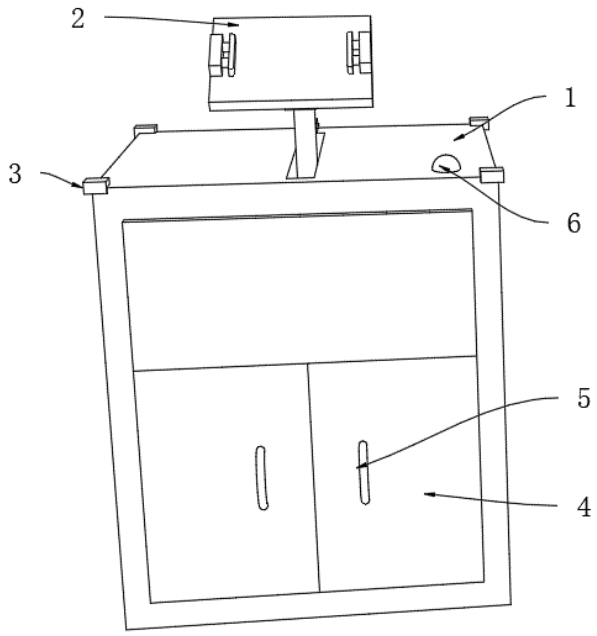


21: 2024/02894. 22: 2024/04/15. 43: 2024/10/17
51: C04B
71: Jingdezhen Ceramic University
72: Zhao Ge
54: PREPARATION METHOD FOR POROUS NANO-CERAMIC FILTER
00: -
Disclosed is a preparation method for a porous nano-ceramic filter, falling within the technical field of ceramic filters. The preparation method includes the following steps: S1. lowtemperature calcination: pouring aluminum hydroxide fine powder into a calciner for calcination, firstly, increasing the temperature to 300℃-480℃ at a rate of 2-3℃/min, keeping the temperature for 1-2 h, increasing the temperature to 900℃-1300℃ at the rate of 2-3℃/min, keeping the temperature for 3-5 h, and cooling to obtain porous alumina agglomerate fine powder; and S2. slurry preparation. According to the present invention, by the preparation method for a porous nano-ceramic filter, aluminum hydroxide fine powder is introduced into zirconia, which greatly reduces the product cost. Meanwhile, the high temperature strength of the porous nano-ceramic filter is higher, and the metal impact resistance is obviously improved, which reduces the production cost and is more suitable for industrial production. Vacuum treatment is carried out in the preparation process, so that bubbles in the slurry are avoided, and the production quality of the porous nano-ceramic filter is improved.

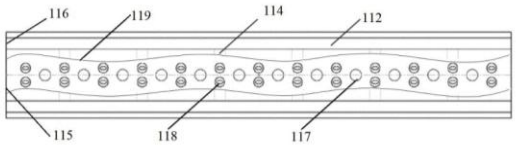


21: 2024/02895. 22: 2024/04/15. 43: 2024/10/17
51: F16M
71: Nanchang Institute of Technology
72: Zhao Jia, Xie Haihua, Zhang Yiying, Wei Chaoping, Han Longzhe, Liu Baohong
54: DATA ANALYSIS DEVICE BASED ON BIG DATA
00: -
The present invention provides a data analysis device based on big data, including a cabinet body. A sliding groove is fixedly connected to a middle part of an inner bottom of the cabinet body, a sliding rod is fixedly connected to a middle part of the sliding

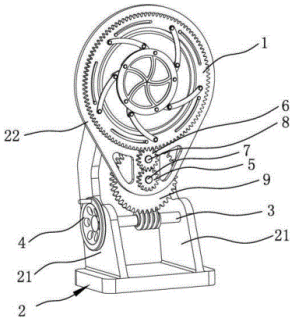
groove, a sliding block is slidably connected to a middle part of the sliding rod, and the sliding block is slidably connected to an inner wall of the sliding groove. In the present invention, relevant data is acquired by using technical means such as Web crawler and application programming interface (API) call, operations such as screening are performed on the data to ensure the accuracy and quality of the data, then algorithms such as cluster analysis and classification prediction are used to mine the data, and finally the data is made into a graph format to be visualized.



21: 2024/02920. 22: 2024/04/16. 43: 2024/10/18
51: B33Y
71: Harbin Institute of Technology
72: YU, Guangbin, CHEN, Juhui, QU, Zhigang, MENG, Guizhi, SUN, Hao
54: RADIATOR WITH THE COMBINATION OF NANOFLUIDS AND JET MICROCHANNELS BASED ON ADDITIVE MANUFACTURING
00: -
Disclosed is a radiator with a combination of nanofluids and jet microchannels based on additive manufacturing, including a body. A plurality of microchannel units are juxtaposed on the body, each microchannel unit includes a jet channel and side flow channels juxtaposed at two sides of the jet channel. A substrate is provided on the bottom of the jet channel, at least one jet inlet for introducing the nanofluids is provided on the top of the jet channel, side flow holes communicated with the side flow channel are arranged on the two sides of the jet channel, two ends of the jet channel in a length direction are configured as jet outlets, at least one convex rib and at least one groove are arranged on the bottom of the jet channel, and two side surfaces of the jet channel are configured as wave-shaped curved surfaces extending in a length direction.



21: 2024/02921. 22: 2024/04/16. 43: 2024/10/18
51: G09B
71: JIAXING VOCATIONAL AND TECHNICAL COLLEGE
72: LIU, Guilin, HONG, Lingmin
54: TEACHING DEMONSTRATION DEVICE
00: -
Disclosed is a teaching demonstration device. The teaching demonstration device includes a mounting frame and a gear plate rotatably arranged on the mounting frame; the mounting frame is transversely provided with a rotating worm located below the gear plate; a transmission gear I and a transmission gear II are also arranged between the worm and the gear plate; the transmission gear I and the transmission gear II are mounted on the mounting frame; mounting positions of the transmission gear I and the transmission gear II can move up and down between the worm and the gear plate; the worm can drive the transmission gear I to rotate; the transmission gear II is meshed with the transmission gear I and the gear plate; an upper end of the mounting frame is provided with a handle; and several suction cups are arranged at a bottom of the mounting frame.



21: 2024/02922. 22: 2024/04/16. 43: 2024/10/18
51: F16L
71: Taiyuan University of Technology
72: Gao Guijun, He Haochen, Kou Ziming, Wang Yandong, Jia Xuefeng, Li Guihu
33: CN 31: 2024101930656 32: 2024-02-21

54: A LINEAR ALTERNATING PERISTALTIC PIPELINE USED FOR SLURRY TRANSPORTATION

00: -

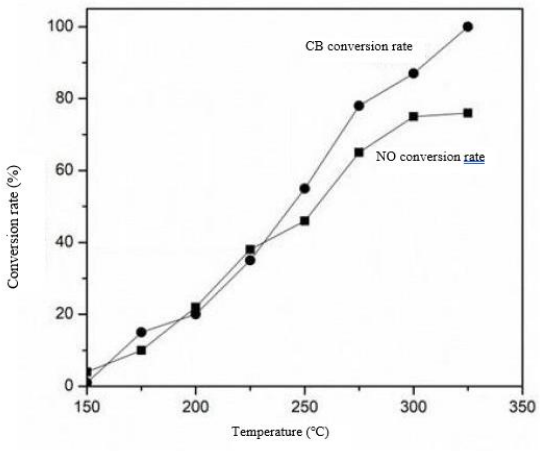
This invention discloses a linear alternating peristaltic pipeline for slurry transportation, comprising: installation brackets with flexible pipes passing through on the installation brackets; alternating squeezing devices; the alternating squeezing devices comprise two sets of squeezing mechanisms, each squeezing mechanism comprising two rollers with their axes perpendicular to the axis of the flexible pipe, and the two ends of the rollers respectively rotatably connected with peristaltic mechanisms, which are mounted on the installation brackets; transmission mechanisms, with two sets of transmission mechanisms connected through transmission components for coordinated transmission; driving components, installed on the installation brackets, and driving components are connected with the transmission components; wherein, the phase difference between the two rollers of the same squeezing mechanism is 180°. The peristaltic mechanism of this invention generates negative pressure by squeezing the flexible pipe with the rollers, resulting in minimal shear deformation of the slurry, effectively transmitting various slurries. Moreover, it exhibits good resistance, effectively preventing the accumulation of slurry and bubbles, ensuring stable slurry transportation.

21: 2024/02923. 22: 2024/04/16. 43: 2024/10/18
51: B01J
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: SONG, Zhongxian, HUANG, Zhenzhen, ZHANG, Jinhui, MAO, Yanli, LIN, Lin, KANG, Haiyan, ZHU, Xinfeng, LIU, Biao, WANG, Kai, JIANG, Libin, GAO, Hongrun, ZHANG, Mengru, ZHAO, Shiyi, TIAN, Xinhui, LIU, Jiayao, ZHAI, Daning, HUANG, Qiaoyang

54: PREPARATION METHOD OF CATALYST FOR SYNCHRONOUS PURIFICATION OF NO AND VOLATILE ORGANIC POLLUTANTS IN FLUE GAS

00: -

Disclosed is a preparation method of a catalyst for synchronous purification of NO and volatile organic pollutants in flue gas comprising: solving 5-10 mmol of cerium salt and 0.1-0.5 mmol of heteropoly acid in 50-100ml of solution, stirring for 1 hour; adding 0.5-2g of structure directing agent into the mixed solution, stirring for 0.5 hour; moving the solution into a hydrothermal reaction kettle, with a hydrothermal temperature of 80-180℃ and hydrothermal time of 6-48 hours; washing and filtering a hydrothermal reaction product, placing the product in an oven at 105℃ for drying for 12 hours; roasting a dried solid in a muffle furnace; screening a roasted product. The method is suitable for synchronous removal of NO and volatile organic pollutants at a low temperature, realizes efficient purification of flue gas of a waste incineration plant, is low in investment and operation cost and easy for industrial application.

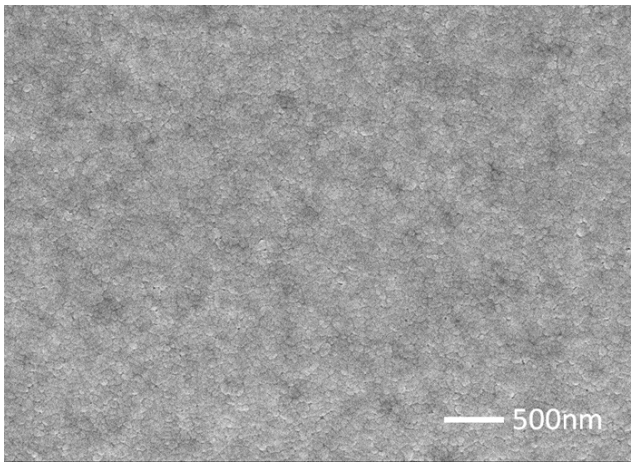


21: 2024/02924. 22: 2024/04/16. 43: 2024/10/18
51: C25D
71: NORTHEASTERN UNIVERSITY
72: LI, Xiaodong

54: SILVER-BASED PLATING SOLUTION AND METHOD FOR PLATING SURFACES OF COPPER AND ALLOYS THEREOF WITH SILVER

00: -

The present invention provides a silver-based plating solution and a method for plating surfaces of copper and alloys thereof with sliver including the following components: 5%-40% of a silver salt, 10%-55% of a complexing agent, 0%-5% of a reducing agent, 0%-5% of an organic additive, and 20%-70% of a solvent, wherein in the silver salt, an anion is a carboxylate anion, and the carboxylate anion is a mixture of one or more of an aliphatic carboxylate anion, an aromatic carboxylate anion, a hydroxyl carboxylate anion, and an alicyclic carboxylate anion; the complexing agent is a mixture of one or more of aqueous ammonia, aliphatic amine, alcohol amine, amide and aromatic amine; and the solvent is a mixture of one or two of an aqueous solvent and an aliphatic alcohol solvent. The silver-based plating solution can be used as a silver plating for various forms of the copper and alloys thereof.

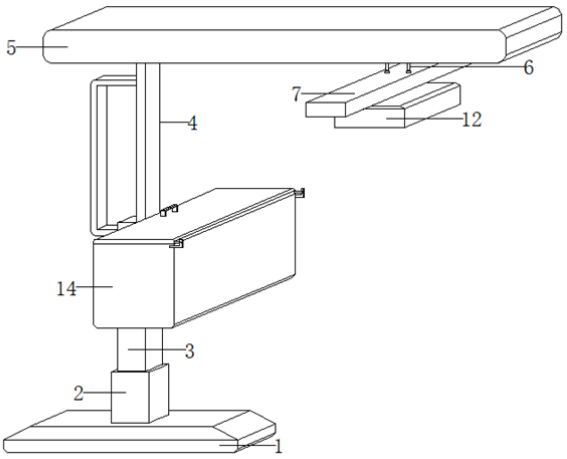


21: 2024/02950. 22: 2024/04/17. 43: 2024/10/18
51: A61B
71: NINGBO NO.2 HOSPITAL
72: YAN, Jia

54: MEDICAL SURGICAL LIGHTING DEVICE

00: -

The present invention belongs to the technical field of medical equipment, in particular to a medical surgical lighting device, which comprises a bottom plate, wherein a fixing box is disposed at an upper end of the bottom plate; a lower side wall of the fixing box is fixedly connected to an upper side wall of the bottom plate; and a supporting plate is disposed at an upper end of the fixing box. After use of a lighting lamp of the present application, the lighting lamp can be moved into a disinfection box through cooperation of a lifting mechanism, a moving mechanism and a position adjustment mechanism. Firstly, a layer of disinfectant is sprayed on the lower surface of the lighting lamp and then the disinfectant on the lower surface of the lighting lamp is wiped through cooperation of a first motor, a first transmission rod and a wiping plate.



21: 2024/02953. 22: 2024/04/17. 43: 2024/10/18
51: B60L; B60M; B60R; G05F; H02J
71: BRUWER, Frederick Johannes
72: BRUWER, Frederick Johannes, BRUWER, Frederick Johannes Jnr
33: ZA 31: 2023/04445 32: 2023-04-17

54: OPTIMIZED PV GENERATION SYSTEM

00: -

A photovoltaic energy generation system which through the use of controlled switches a DC energy output from the system is used to deliver DC energy to a load, in particular to charge an electric vehicle, without using switch mode DC to DC, or DC to AC, converters.

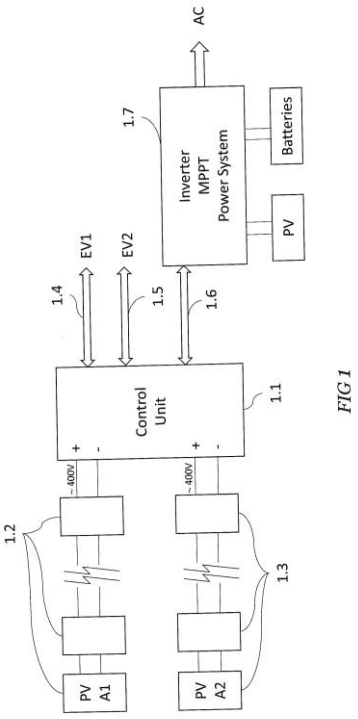
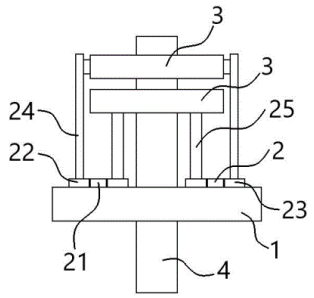


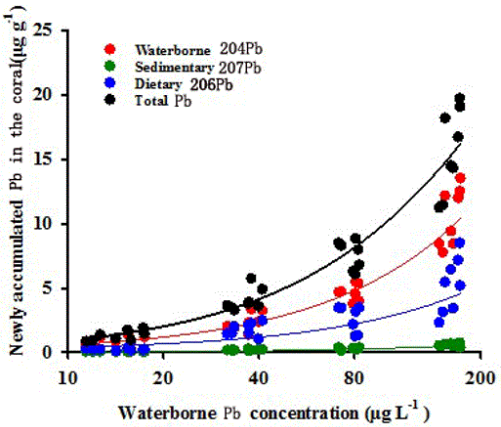
FIG 1

21: 2024/02954. 22: 2024/04/17. 43: 2024/10/18
51: F16L
71: CHINA RAILWAY FIRST GROUP ELECTRICAL ENGINEERING CO., LTD., CHINA RAILWAY FIRST GROUP CO., LTD
72: LIU, Guoyan, DU, Yinlong, SHI, Shaoxuan, CUI, Kai, SHI, Feng, ZHANG, Shengze, YANG, Qing
33: CN 31: 202311592535.8 32: 2023-11-27
54: BACK-DRAGGING ASSISTANCE DEVICE FOR PIPE OF DIRECTIONAL DRILL
00: -
Disclosed is a back-dragging assistance device for a pipe of a directional drill, relating to the technical field of directional drill construction. The device includes a base and a lifting mechanism. The lifting mechanism has a push output end and a pull output end. The push output end and the pull output end are provided with a clamping mechanism separately. A power system is capable of driving two clamping assemblies to move close to each other to clamp the pipe or driving the two clamping assemblies to move away from each other to unclamp the pipe. The back-dragging assistance device for the pipe of the directional drill provided by the present invention is capable of assisting in pushing a pipe into a drill hole during the process of back dragging of a drill pipe, thus reducing the load of the drill and prolonging the service life of the drill.



21: 2024/02959. 22: 2024/04/17. 43: 2024/10/18
51: C02F
71: South China Sea Ecological Center, Ministry of Natural Resources, CNOOC Research Institute Ltd., Polar Research Center of China, South China Sea Institute of Oceanography, Chinese Academy of Sciences, East China Sea Ecological Center, Ministry of Natural Resources, North China Sea Forecasting and Disaster Reduction Center, Ministry of Natural Resources
72: NI Zhixin, LI Tuanjie, CHEN Xin, LIU Tao, ZHANG Minxia, LUO Guangfu, ZHANG Li, JI Xiao, ZHANG Haizhou, LI Yingzhi, LU Chuqian, WANG Xiaojuan, JIA Houlei, HUANG Yangzhou, AN Mingming, QI Luyang, DU Weimeng, CHEN Changshu, DENG Wei, LV Yihua, PENG Xiaojuan, ZHANG Chunchao, ZHOU Peng, SHANGGUAN Maosen, YUAN Lei, XIONG Xiaofei, SHI Xiaojun, WANG Meng, CHEN Zhiqiang, YE Jianping, YE Lijin, GAO Yang, DANG Aicui, YUE Xinan, YANG Jiayu, WANG Yuru, MA Dongdong, CHEN Chaohui, CHEN Hao, LIU Jingqin, LV Yanru
33: CN 31: 2024101783799 32: 2024-02-08
54: MULTIPLE STABLE ISOTOPE LABELING METHOD TO IDENTIFY THE PATHWAY OF ACCUMULATED HEAVY METALS ABSORBED BY CORALS
00: -
The invention relates to the technical field of heavy metal detection , and specifically discloses a multiple stable isotope labeling and tracing method for identifying the absorption and accumulation of heavy metals by corals , including S1: labeling the food phase, seawater phase, and suspended particle phase of coral culture with different metal isotopes ; S2: The cultured corals are crushed, dried , dissolved and enriched with metal isotopes , and then eluted; S3: The eluate is eluted using a flow injection direct sampling device (Discrete flow injection sampling) with discrete sampling function. The method (DFIS - ICP - MS) is used to measure isotopes . By measuring the heavy metal content in

seawater, suspended particles, sediments and corals in nature , environmental factors and the lead isotope ratio in cultured corals, we can explore the accumulation characteristics and influencing factors of heavy metals in corals , and judge corals. Sources of heavy metal pollution . By adjusting the suspended sediment/water phase distribution coefficient of heavy metals , the impact of changes in heavy metal content in the water phase, food phase and sediment phase in the coral environment on the source of heavy metals in corals was explored.



21: 2024/03575. 22: 2024/05/09. 43: 2024/08/27
51: C12N
71: China Agricultural University
72: CHEN Chong, ZHANG Weibo, ZHANG Yan, GUO Huiyuan, HU Yao, ZHANG Hao, SUN Yanan, LIU Siyuan, NIE Chao, HUANG Jiaqiang, LI Yuan, GUO Jiayue, AN Peng
33: CN 31: 2023108475760 32: 2023-07-12
54: METHOD FOR PROMOTING CELL ENDOCYTOSIS OF VEGETABLE ALBUMIN, AND APPLICATION THEREOF
00: -
The present disclosure belongs to the technical field of biological medicine, and specifically to a method for promoting cell endocytosis of vegetable albumin, and application thereof. In the present disclosure, the Fe 2+ -vegetable albumin complex is formed by Fe 2+ and the vegetable albumin, such that the endocytosis efficiency of the vegetable albumin is improved, and the biological activity of the vegetable albumin is further improved at the same time.

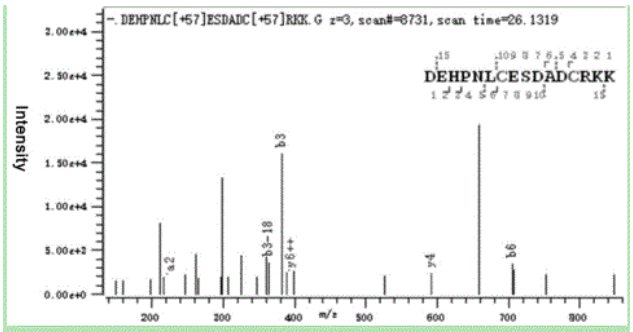


Fig. 1A

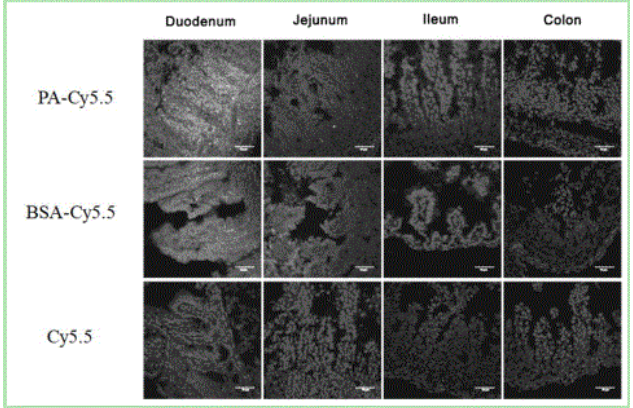
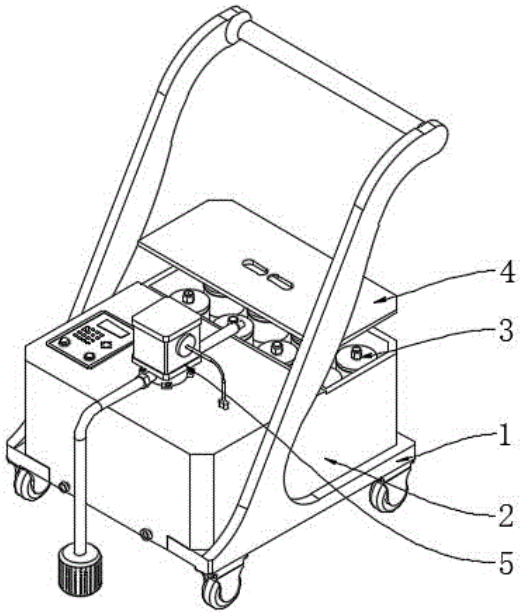


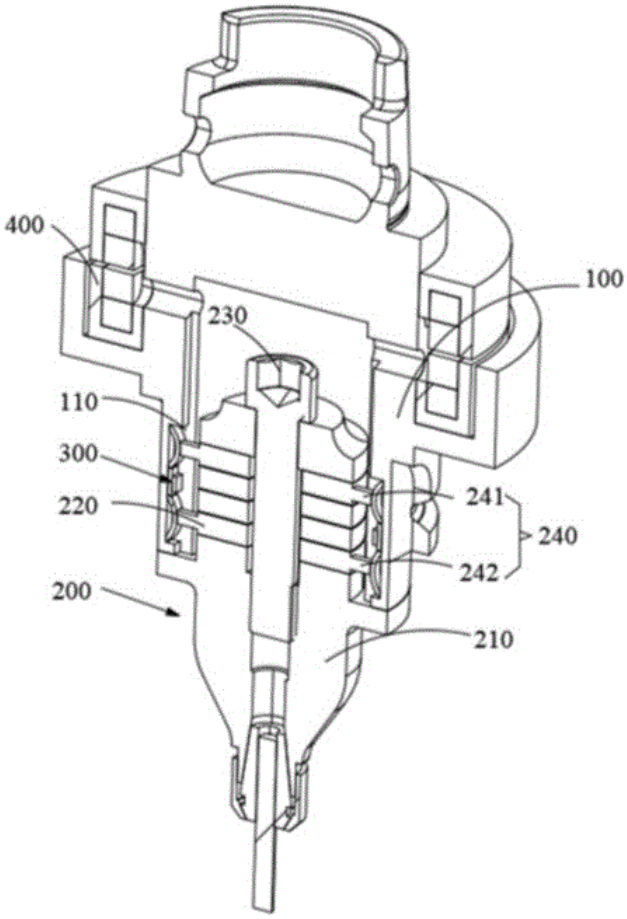
Fig. 1B

21: 2024/05292. 22: 2024/07/08. 43: 2024/10/04
51: G01N
71: Kunming University of Science and Technology
72: Baozhu Li, Aibing Chen, Xiaoling Zhang, Pan Xiong, Meina Ye, Yuang Wang, Wenqiang Jiang, Xianghua Zhai, Yongheng Li, Yang Hu, Caixia Li, Tao Ren, Haishu Zhong, Xiangsheng Tian, Tianmiao He, Pengcheng Shi, Longfa Bai
33: CN 31: 202322360074.3 32: 2023-08-31
54: A HYDROGEOLOGICAL SAMPLING DEVICE
00: -
The invention discloses a hydrogeological sampling device, which comprises a cart. A storage battery is arranged on the surface of the cart, and a storage chamber is arranged at the rear end of the storage battery, and an opening is arranged at the top of the storage chamber. The storage chamber is uniformly provided with a plurality of sampling tubes, the battery top is fixed with a sampling component, the sampling component comprises a water pump, a drainage pipe and a water suction pipe, and the water pump and the battery are electrically connected. The drainage pipe is connected with the drainage end of the water pump, and the water suction pipe is connected with the water suction end of the water pump. Installing the batteries on the

cart. The battery supplies power to the sampling component, and the sampling component can continuously extract groundwater to facilitate the extraction of a certain amount of groundwater, so as to facilitate the rapid sampling of groundwater. Using this sampling equipment can effectively save time and effort, and this equipment can collect multiple water samples to ensure that the sample test results are accurate enough.

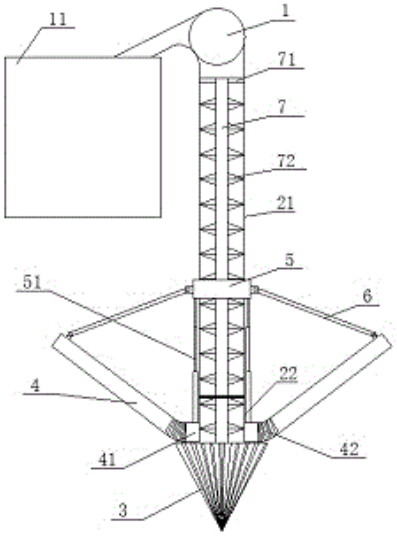


21: 2024/05430. 22: 2024/07/12. 43: 2024/08/21
51: B23B
71: Jiangsu Branch of China Academy of Machinery Science and Technology Group Co., Ltd., INTELLIGENT MANUFACTURING LONGCHENG LABORATORY
72: ZHUANG, Bailiang, SHAN, Zhongde, ZHANG, Yundian, WANG, Xiang, ZHU, Zhuozhi
33: CN 31: 202311236849.4 32: 2023-09-25
54: SPLIT TYPE ULTRASONIC KNIFE HANDLE, ULTRASONIC MACHINING SYSTEM, AND WORKING METHOD
00: -
The present disclosure provides a split type ultrasonic knife handle, an ultrasonic machining system, and a working method. The split type ultrasonic knife handle includes a knife handle housing, a knife, and two conductive mechanisms. The two conductive mechanisms are symmetrically clamped in a deformation groove on a side wall of a circular cavity. By arranging the two symmetrical conductive mechanisms, the existing solution of directly connecting the knife handle housing to the knife through a wire is changed to a solution where the knife is inserted into the knife handle housing and electrical connection is achieved through the conductive mechanisms. The original integrated ultrasonic knife handle is modified into a split type. When the ultrasonic knife handle needs replacement, only the knife shall be replaced, without a need for replacing the entire ultrasonic knife handle. This reduces the cost of replacing the ultrasonic knife handle, avoids a need for matching between a wireless sending end and a wireless receiving end, and relieves the coil matching restriction when purchasing the ultrasonic knife handle. Also, the symmetrical conductive mechanisms are adopted to change different original lengths of wires, ensuring a dynamic balance of the ultrasonic knife handle.



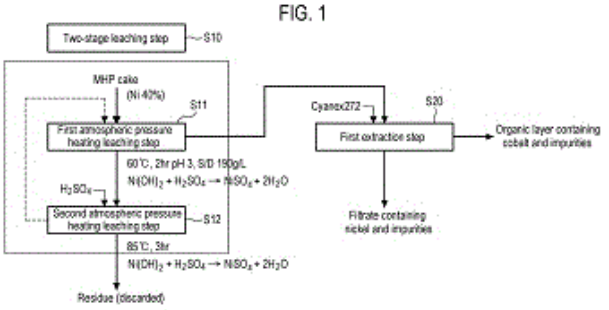
21: 2024/05842. 22: 2024/07/29. 43: 2024/08/22
51: E02F

71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: MA, JIANHUA
33: CN 31: 2023108065427 32: 2023-07-03
54: DREDGING AND DESILTING DEVICE
00: -
The present invention discloses a dredging and desilting device, comprising: a mud pumping pipe comprising a first part and a second part which are hermetically and rotatably connected; a drill bit communicated with second part, and provided with multiple first mud suction holes; multiple mud guiding pipes, each of which is communicated with second part, has an opening at one end, and is provided with multiple second mud suction holes; a first sleeve sleeved on first part; and multiple first connecting rods, one mud guiding pipe being correspondingly provided with one first connecting rod, one end of each first connecting rod being hinged to the first sleeve, and the other end of being hinged to the other end of corresponding mud guiding pipe. The present invention ensures efficient and long-time pumping operations while increasing a mud pumping range, thus improving riverway mud cleaning efficiency.



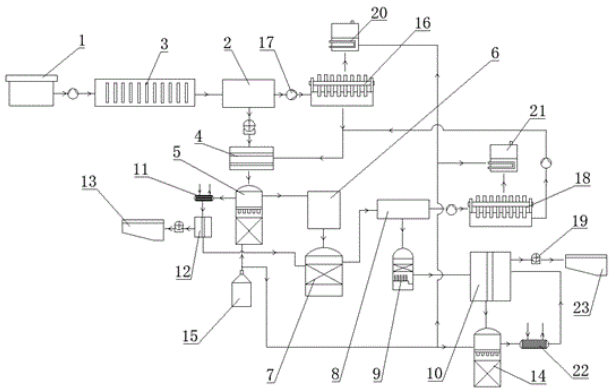
21: 2024/05881. 22: 2024/07/30. 43: 2024/08/16
51: C01G; C22B; H01M
71: KOREA ZINC CO., LTD., KEMCO
72: CHOI, HEON SIK, JOO, JAE HOON, CHOI, CHANG YOUNG
33: KR 31: 10-2023-0010613 32: 2023-01-27
54: METHOD FOR PRODUCING AQUEOUS SOLUTION CONTAINING NICKEL OR COBALT
00: -
The present invention provides a method for producing an aqueous solution containing nickel or cobalt, the method comprising: (A) a leaching step for leaching a raw material under atmospheric pressure to form a leachate containing nickel, cobalt, and impurities, the leaching step including a first atmospheric pressure heated leaching step and a second atmospheric pressure heated leaching step; (B) a first extraction step for introducing a first solvent extractant to the leachate to separate the leachate into a first filtrate, containing nickel and impurities, and a first organic layer, containing cobalt and impurities; (C-i) a precipitation removal step for introducing a precipitant to the first filtrate to precipitate and remove impurities including magnesium, calcium, or a mixture thereof; and (D-i) a target material precipitation step for selectively precipitating a nickel cake containing nickel by introducing a neutralizing agent to the first filtrate that has had the impurities precipitated and removed.

FIG. 1

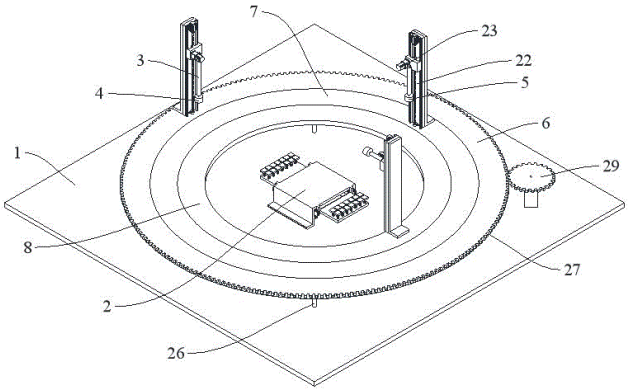


21: 2024/05983. 22: 2024/08/02. 43: 2024/08/21
51: C02F
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: YANG, Dejun, WANG, Lizhang, XIONG, Jibing, JIANG, Jiachao, LUO, Ping, ZHANG, Hongjian, LEI, Shaogang, FAN, Tongda
33: CN 31: 202211245167.5 32: 2022-10-12
54: HIGH-SALINITY MINE WATER TREATMENT DEVICE
00: -
The present disclosure discloses a high-salinity mine water treatment device, including: a primary treatment mechanism including a wastewater tank and an aeration processor, where the aeration processor is connected to the wastewater tank, an end of the aeration processor away from the

wastewater tank is connected to a wastewater sedimentation tank, an end of the wastewater sedimentation tank away from the aeration processor is connected to a filter, an end of the filter away from the aeration processor is connected to a first evaporator, and an end of the first evaporator away from the filter is connected to a buffer tank; and a secondary treatment mechanism including an ion exchanger, where the ion exchanger is connected to the buffer tank, an end of the ion exchanger away from the buffer tank is connected to a concentrated water sedimentation tank, an end of the concentrated water sedimentation tank away from the ion exchanger is connected to a decarbonization tower, an end of the decarbonization tower away from the concentrated water sedimentation tank is connected to a first reverse osmosis device, and an end of the first reverse osmosis device away from the decarbonization tower is connected to a second evaporator. In the present disclosure, different impurities in the wastewater are removed in steps, impurities are reduced in a final product, and the removal of the impurities in batches facilitates treatment.

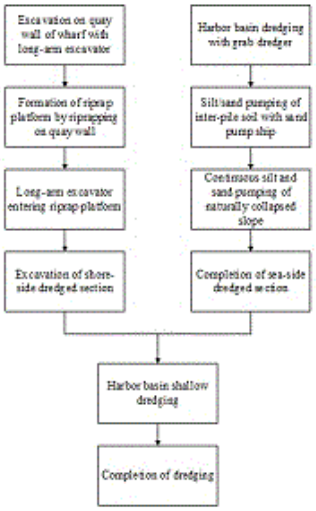


21: 2024/06039. 22: 2024/08/06. 43: 2024/10/10
51: G01M
71: Henan Feilong (Wuhu) Auto Components Co., Ltd.
72: Feng Zhang, Minghao Wu, Lintao Zhang
33: CN 31: 202310728933.1 32: 2023-06-16
54: AN AIR-TIGHTNESS TESTING DEVICE FOR ELECTRONIC WATER PUMPS
00: -
This invention relates to the field of air-tightness testing technology, specifically to an air-tightness testing device for electronic water pumps. The device includes a workbench, which is topped with a placement stand surrounded by a ring displacement component. This ring displacement component is equipped with three posture adjustment components, each fitted with a telescopic piece. One of these telescopic pieces is equipped with an inflation connector, while the others have testing connectors. The device operates by driving all posture adjustment components to align the connectors according to the model and position of the electronic water pump. The posture adjustment components work to adjust the telescopic pieces, which in turn move the corresponding testing or inflation connectors to align with the angles of the electronic water pump's interfaces. The telescopic pieces then fit the corresponding testing or inflation connectors onto the respective interfaces, thereby completing the sealing process. This resolves the issue of poor versatility in existing air-tightness testing equipment for electronic water pumps, which leads to reduced testing efficiency.



21: 2024/06077. 22: 2024/08/07. 43: 2024/08/22
51: E02B; E02D
71: CHINA HARBOUR ENGINEERING COMPANY LTD.
72: BAI, YINZHAN
33: CN 31: 2023107294382 32: 2023-06-19
54: HARBOR BASIN DREDGING CONSTRUCTION METHOD
00: -
The present invention discloses a harbor basin dredging construction method, comprising: arranging an anti-fouling curtain outside a construction water area range; measuring a construction area with a total station; excavating in layers with a grab dredger, transporting silt to a silt unloading point with a silt barge; extending a pipe head of a sand pump

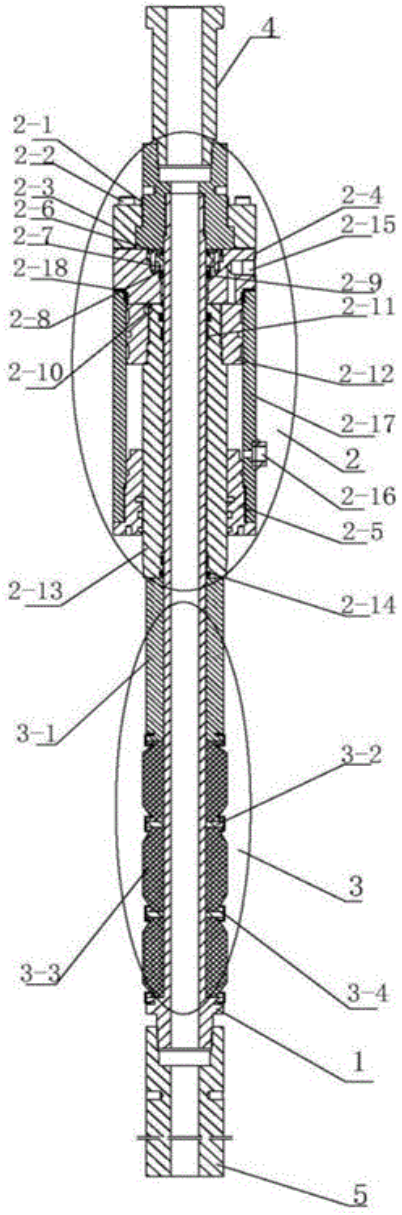
ship to a sea-side part of an inter-pile area, pumping silt and sand to form a sea-side dredged section; excavating and dredging inter-pile soil with a long-arm excavator ship; excavating with a long-arm excavator to form a shore-side dredged section; performing whole topography survey to determine a shallow point and a shallow dredging route, and performing harbor basin shallow dredging ensure a dredging depth. The invention solves problems that silt moves and deposits in an excavated channel, causing back silting, and lost or reduction of dredging, guarantees dredging effect, and saves dredging construction time.



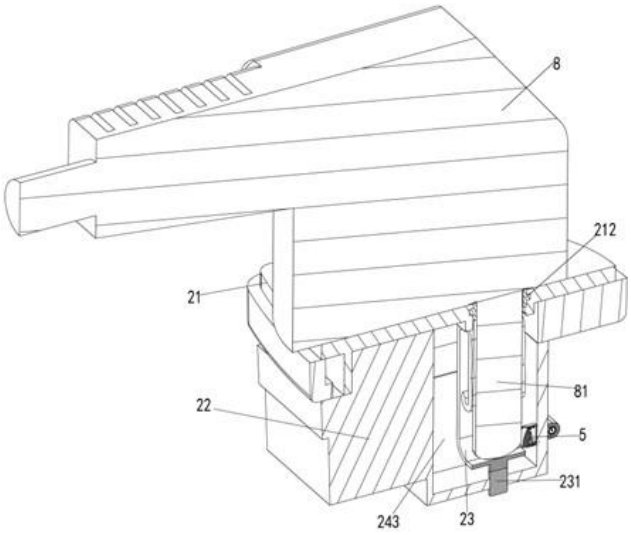
21: 2024/06348. 22: 2024/08/19. 43: 2024/08/21
51: C11D
71: Guangzhou Joyson Cleaning Products Co., Ltd.
72: Jianfeng SUN, Fenglei LI, Min SUN, Xiangjian ZENG, Na LAN, Yumei HUANG
54: DETERGENT SHEET
00: -
The present application relates to the technical field of detergents, and specifically relates to a detergent sheet. The detergent sheet includes the following components in parts by weight: 8-34 parts of a water-soluble high-molecular polymer; 14-50 parts of a surfactant; 0.1-50 parts of an enzyme preparation; 0.1-50 parts of a softener preparation; 1-10 parts of a foam booster preparation; and 0-30 parts of a molding promoter; where the enzyme preparation and the softener preparation are embedded on the detergent sheet in a form of solid particles. The detergent sheet of the present application has a higher content of enzyme preparation and softener preparation and thus, has obvious advantages in the aspects of detergency and electrostatic elimination capacity. With higher content of enzyme, the present invention has an excellent cleaning effect on daily stubborn stains such as protein, milk and blood stains. Moreover, the present invention is not only suitable for clothes, but also can be used in a dish-washing machine environment for cleaning dishes.

21: 2024/06351. 22: 2024/08/19. 43: 2024/10/16
51: E21B
71: POWERCHINA Huadong Engineering Corporation Limited, JIANGSU ZHONGKONG ENERGY TECHNOLOGY CO., LTD., HOHAI UNIVERSITY
72: XI, Lingzhi, HU, Shaobin, YANG, Huai, ZHANG, Qiang, LI, Chen, JIANG, Yingchong, WANG, Long
33: CN 31: 202310254474.8 32: 2023-03-16
54: QUICK-REBOUND COMPRESSION-TYPE HYDRO-CYLINDER PACKER AND METHOD FOR SEALING HOLE WITH PACKER
00: -
The present disclosure provides a quick-rebound compression-type hydro-cylinder packer, including a central tubing, a hydraulic drive mechanism, a deformation expansion sealing mechanism, an upper connecting tubing, and a lower connecting tubing. The hydraulic drive mechanism and the deformation expansion sealing mechanism are both concentric with the central tubing and are sleeved around an outer surface of the central tubing. The upper connecting tubing and the lower connecting tubing are respectively connected to an upper end and a lower end of the central tubing to achieve self-sealing. The upper connecting tubing and the lower connecting tubing are configured to connect to a high-temperature and high-pressure gas emission device and a pressure relief device, respectively. The hydraulic drive mechanism is located at a lower end of the upper connecting tubing, and the deformation expansion sealing mechanism is arranged at a lower end of the hydraulic drive mechanism. A position where the central tubing contacts the deformation expansion sealing mechanism is provided with a protrusion, and a diameter of the protrusion is the same as a diameter of a piston pad of the deformation expansion sealing mechanism. The present disclosure utilizes a hydro-cylinder to convert hydraulic energy into mechanical energy, to allow rubber pads to be compressed and

uncompressed to achieve setting and quick-rebound unsealing of the packer.

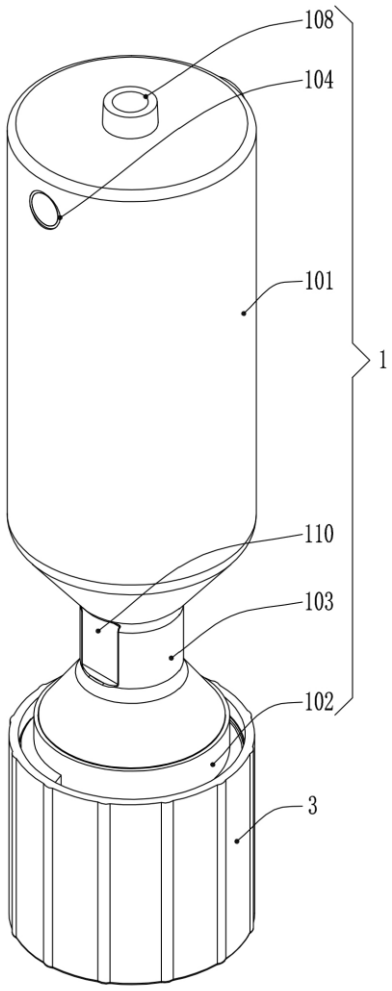


21: 2024/06995. 22: 2024/09/11. 43: 2024/10/01
51: H01R; H02H
71: NINGYUANXIAN CYBERPOWER, INC
72: HE, Xuexiang, LI, Wenhong, ZHOU, Gejiao, YANG, Qingling
33: CN 31: 202311304301.9 32: 2023-10-09
54: WATERPROOF EXTENSION SOCKET WITH ELECTRIC SURGE PROTECTION
00: -
A waterproof extension socket with surge protection. A plurality of mutually isolated insertion cabins are arranged in socket main bodies, and trigger mechanisms are arranged in inner walls of each of the insertion cabins. A plurality of isolated conducting switches are arranged on the socket main bodies, elastic contact pieces arranged in each of the insertion cabins are electrically connected to an alternating current output end phase of the power supply protection board through a connecting circuit, the isolated conducting switches are connected in series between control ends of the conducting control devices and a direct current output end of the power supply protection board. The magnetic reed switches, the conducting control devices, an internal environment of the extension socket main body is completely isolated from the insertion cabins. An internal of the extension socket main body is prevented from being conducted to an outside through water or conductive liquid.



21: 2024/07318. 22: 2024/09/25. 43: 2024/10/03
51: B01L
71: NANJING SHUANGWEI BIOTECHNOLOGY CO., LTD.
72: Weichao PAN, Pei WU, Guofeng XIAO, Jun ZHOU, Qinling HE, Zheng LI, Zhengfang HU, Qing PAN
54: CENTRIFUGAL SEPARATION TUBE AND MANUFACTURING METHOD THEREFOR AND USE THEREOF
00: -
A centrifugal separation tube and a manufacturing method thereof and a use thereof. The centrifugal separation tube includes an outer tube body, a central liquid extraction tube and a bottom cap, wherein the outer tube body is divided into an upper

chamber body, a throat chamber and a lower chamber body, the upper chamber body is provided with an injection port, a ventilation port and a suction port, a bottom end of the lower chamber body is open and is in sealing fit with the bottom cap, and an axial position of the bottom cap is adjustable; and a lower end of the central liquid extraction tube is a liquid extraction tube orifice located in the throat chamber, and an upper end thereof communicates with the suction port. The centrifugal separation tube disclosed by the present invention is provided with the central liquid extraction tube so as to be capable of preferentially sucking a product on an intermediate layer when applied to the centrifugal separation of a liquid and optimizing a centrifugal separation process and simplifying operations when the intermediate layer is a required product; and when applied to the centrifugal preparation of platelet-rich plasma, the centrifugal separation tube can directly suck a platelet concentrate on the intermediate layer, and then quantitatively suck platelet-poor plasma, and red blood cell separating and intermediate pipetting processes are omitted, so that the operation time is shortened, and the pollution risk is reduced.



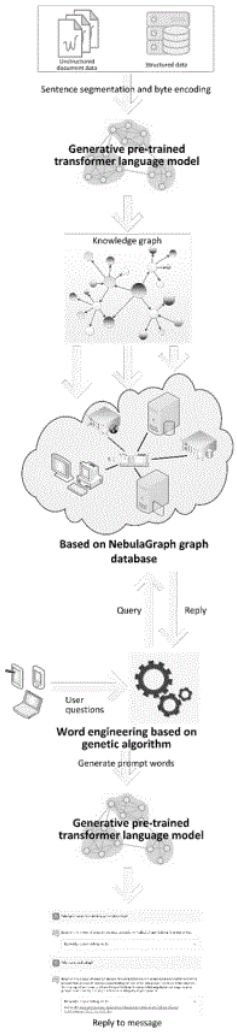
21: 2024/07801. 22: 2024/10/15. 43: 2024/10/18
51: G06F
71: Hanshan Normal University
72: Zexun ZHOU, Yinghui ZHU, Peitao WANG, Xuanrui CHEN, Wei HUANG, Shengyun YANG, Liming MIAO, Shuwei QIU
33: CN 31: 2023114155577 32: 2023-10-30

54: INTELLIGENT INFORMATION QUESTION-ANSWERING METHOD FOR TOBACCO ENTERPRISES BASED ON KNOWLEDGE GRAPH AND LARGE LANGUAGE MODEL

00: -

The present invention provides an intelligent information question-answering method for tobacco enterprises based on a knowledge graph and a large language model, including: constructing a knowledge graph, storing a knowledge graph, and using the knowledge graph to answer and process user inquiry information. The present invention utilizes the GPT language model, fully utilizing the

effective semantic perception and strong feature learning ability of the generative language model, and can effectively extract entity-relationships in process clauses. The excellent multi-level jump ability of the vertex-edge of the graph database is utilized to retrieve key knowledge points, and prompt words are automatically generated in combination with the genetic algorithm. Through the powerful contextual learning ability of the GPT language model, logical and accurate natural language response information is generated. Compared with other methods, the present invention does not require retraining or fine-tuning of the model, which greatly reduces the computational overhead, reduces the difficulty and cost of development, and promotes the industrial implementation and rapid iteration of artificial intelligence technology.

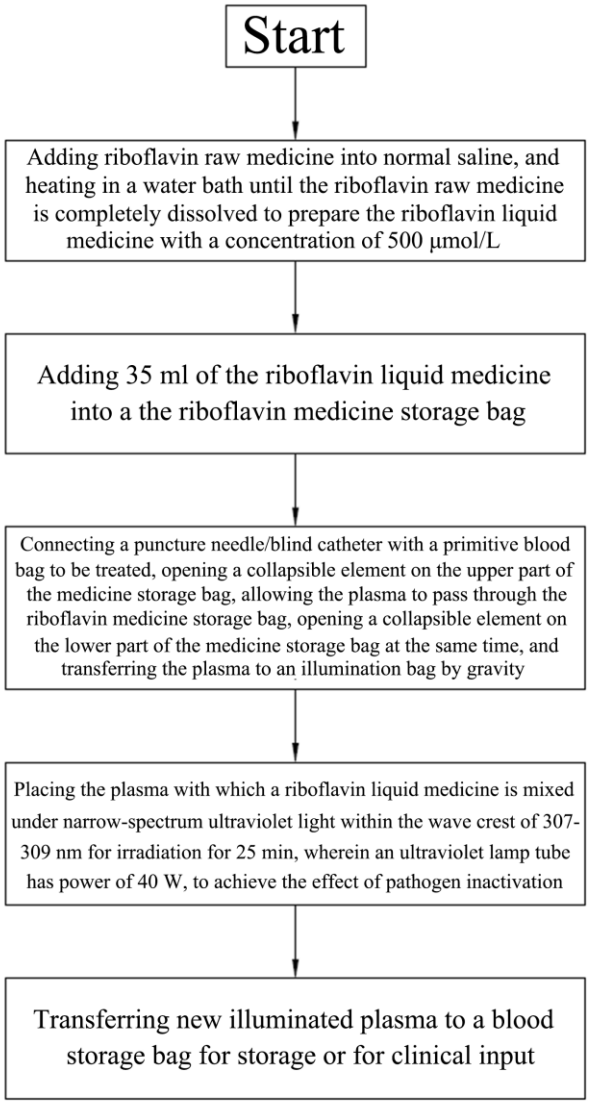


21: 2024/07858. 22: 2024/10/16. 43: 2024/10/18
51: A61L
71: NANJING SHUANGWEI BIOTECHNOLOGY CO., LTD.
72: Weichao PAN, Yiwei WANG, Qinling HE, Guofeng XIAO, Jun ZHOU, Zheng LI, Zhengfang HU, Qing PAN, Ting ZHAO
33: CN 31: 202210020012.5 32: 2022-01-10

54: PLASMA PATHOGEN INACTIVATION TREATMENT METHOD BASED ON RIBOFLAVIN PHOTOCHEMICAL METHOD

00: -

A plasma pathogen inactivation treatment method based on a riboflavin photochemical method, comprising: placing plasma to which riboflavin is added under narrow-spectrum ultraviolet light within the wavelength range of 300-308 nm for irradiation, wherein the illumination energy is 0.55-0.65 J/mL, and the whole thickness of an illumination bag during illumination is not greater than 9.5 mm. According to the present invention, narrow-spectrum ultraviolet rays having a specific wavelength and a specific illumination energy condition are selected to perform treatment on plasma to which a riboflavin solution is added, and the whole thickness of the illumination bag during illumination is controlled to be within 9.5 mm, and thus, the present invention has a good pathogen inactivation effect, and has small damage on blood components; riboflavin powder is dissolved by using normal saline, so that the riboflavin solution is isotonic to a human body, and the riboflavin solution is good in uniformity, high in stability, and convenient to prepare; a combined bag formed by combining a liquid medicine bag, the illumination bag, and a blood storage bag is used, so that sterile connection in an existing method is omitted, the cost is reduced, and the risk of pollution is reduced; and the combined bag is further provided with a leukocyte filter to remove leukocytes and protein precipitates in the plasma, so that the method can be suitable for cryoprecipitation of the plasma.


Start
Adding riboflavin raw medicine into normal saline, and heating in a water bath until the riboflavin raw medicine is completely dissolved to prepare the riboflavin liquid medicine with a concentration of 500 μmol/L
Adding 35 ml of the riboflavin liquid medicine into a the riboflavin medicine storage bag
Connecting a puncture needle/blind catheter with a primitive blood bag to be treated, opening a collapsible element on the upper part of the medicine storage bag, allowing the plasma to pass through the riboflavin medicine storage bag, opening a collapsible element on the lower part of the medicine storage bag at the same time, and transferring the plasma to an illumination bag by gravity
Placing the plasma with which a riboflavin liquid medicine is mixed under narrow-spectrum ultraviolet light within the wave crest of 307-309 nm for irradiation for 25 min, wherein an ultraviolet lamp tube has power of 40 W, to achieve the effect of pathogen inactivation
Transferring new illuminated plasma to a blood storage bag for storage or for clinical input

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE 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 2024/09/23 -

A2024/00934 - KEWPIE CORPORATION Class 9. CONTAINER BOTTLE

. - APPLIED ON 2024/09/25 -

A2024/00935 - CIXI XUBANG ELECTRIC APPLIANCE CO., LTD. Class 28. HAIR DRYER

F2024/00942 - David Dougans Class 25. BUFFERBAGS

A2024/00940 - FERRARI S.P.A. Class 21. TOY CAR

A2024/00939 - FERRARI S.P.A. Class 21. TOY CAR

F2024/00941 - Papini Trading (Pty) Ltd Class 8. CURTAIN RUNNERS

A2024/00937 - FERRARI S.P.A. Class 12. CAR

A2024/00936 - Zhao, Yongguo Class 9. PACKAGING CANS (LION CAT)

A2024/00938 - FERRARI S.P.A. Class 12. CAR

. - APPLIED ON 2024/09/26 -

F2024/00965 - ILLUMINA, INC. Class 24. CARTRIDGE

A2024/00964 - YETI COOLERS, LLC Class 7. CONTAINER

A2024/00963 - YETI COOLERS, LLC Class 7. CUP

A2024/00948 - Turret IP Pty Ltd Class 23. LIQUID INTAKES

A2024/00944 - HANSGROHE SE Class 23. SHOWER

A2024/00962 - YETI COOLERS, LLC Class 7. CUP

A2024/00946 - HS PRODUKT D.O.O. Class 22. FIREARM

A2024/00961 - YETI COOLERS, LLC Class 9. FLASK

A2024/00958 - UNILEVER GLOBAL IP LIMITED Class 9. DEODORANT STICK CONTAINER AND DISPENSER

A2024/00953 - UNILEVER GLOBAL IP LIMITED Class 9. DEODORANT STICK CONTAINER AND DISPENSER

A2024/00952 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2024/00945 - HANSGROHE SE Class 23. SHOWER

A2024/00943 - HANSGROHE SE Class 23. HAND SHOWER

A2024/00960 - YETI COOLERS, LLC Class 9. FLASK

A2024/00959 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. FRONT PORTION FOR AN AUTOMOBILE

A2024/00956 - YETI COOLERS, LLC Class 7. FUNNEL

A2024/00949 - Turlen Holding SA Class 10. WATCHES

F2024/00966 - ILLUMINA, INC. Class 24. CARTRIDGE

A2024/00957 - UNILEVER GLOBAL IP LIMITED Class 9. DEODORANT STICK CONTAINER AND DISPENSER

A2024/00955 - YETI COOLERS, LLC Class 7. CONTAINER

A2024/00954 - UNILEVER GLOBAL IP LIMITED Class 9. DEODORANT STICK CONTAINER AND DISPENSER

A2024/00951 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2024/00950 - Turlen Holding SA Class 10. WATCH MECHANISMS

A2024/00947 - Turlen Holding SA Class 10. WATCHES

. - APPLIED ON 2024/09/27 -

A2024/00981 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00980 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00982 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00978 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00979 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00970 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/00967 - HMD GLOBAL OY Class 14. MOBILE PHONE

A2024/00971 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00972 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00973 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00974 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00975 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00977 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00976 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00985 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00968 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/00984 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00983 - SHIMANSKY, Yair Class 11. GEMSTONES

A2024/00969 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

. - APPLIED ON 2024/09/30 -

A2024/00994 - Huawei Technologies Co., Ltd. Class 14. COMMUNICATION EQUIPMENT

A2024/00990 - CAPBRAN HOLDINGS, LLC Class 31. PITCHER CONTAINER FOR A FOOD PROCESSOR

A2024/00995 - Huawei Technologies Co., Ltd. Class 14. COMMUNICATION EQUIPMENT

A2024/00997 - Huawei Technologies Co., Ltd. Class 14. COMMUNICATION EQUIPMENT

A2024/00996 - Huawei Technologies Co., Ltd. Class 14. COMMUNICATION EQUIPMENT

A2024/00986 - BYD COMPANY LIMITED Class 12. CAR

A2024/00987 - BYD COMPANY LIMITED Class 12. CAR

A2024/00991 - CAPBRAN HOLDINGS, LLC Class 31. PORTABLE BLENDER

A2024/00992 - CAPBRAN HOLDINGS, LLC Class 31. BLADE ASSEMBLY FOR A PORTABLE BLENDER

A2024/00989 - CAPBRAN HOLDINGS, LLC Class 31. BASE UNIT FOR A FOOD PROCESSOR

A2024/00988 - BYD COMPANY LIMITED Class 12. AUTOMOBILE

A2024/00993 - Xingmai Innovation Technology (Suzhou) Co., Ltd. Class 15. WATER TREATMENT APPARATUSES

. - APPLIED ON 2024/10/02 -

A2024/00999 - GLADWIN, Thea Class 28. HAIR FASTENER

A2024/00998 - HANSGROHE SE Class 23. HAND SHOWER

A2024/01000 - HANSGROHE SE Class 23. HAND SHOWER

A2024/01001 - GERT-JOHAN COETZEE (PTY) LTD Class 32. PATTERN

. - APPLIED ON 2024/10/03 -

A2024/01005 - Byredo AB Class 09. FRAGRANCE PACKAGING

A2024/01004 - STÖHR, ERICA AUGUSTE Class 06. CUSHION

F2024/01003 - STÖHR, ERICA AUGUSTE Class 06. CUSHION

F2024/01002 - ADVANCED SOLAR AND SANITATION (PTY) LTD Class 23. SOLAR WATER HEATER

. - APPLIED ON 2024/10/04 -

F2024/01010 - BOK IMPLEMENTE (PTY) LTD Class 15. HARROW DISCS

A2024/01011 - XINFENG SHAN Class 19. CORNER ROUNDER PUNCH

A2024/01007 - COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Class 12. PNEUMATIC TYRE

A2024/01008 - COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Class 12. PNEUMATIC TYRE

A2024/01006 - BYD COMPANY LIMITED Class 12. CAR

A2024/01009 - COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Class 12. PNEUMATIC TYRE

. - APPLIED ON 2024/10/07 -

A2024/01012 - COLLEN MTSWENE Class 32. COMPANY NAME

A2024/01014 - YETI COOLERS, LLC Class 9. LID

F2024/01013 - UTICO WATER (PTY) LTD Class 23. WASTE WATER PLANT

. - APPLIED ON 2024/10/08 -

A2024/01018 - RHODES UNIVERSITY Class 24. LABORATORY TOOLS

A2024/01017 - UNILEVER IP HOLDINGS B.V. Class 20. DISPLAY BOARD

F2024/01019 - RHODES UNIVERSITY Class 24. LABORATORY TOOLS

A2024/01016 - SAVERGLASS Class 09. BOTTLE

A2024/01020 - XINFENG SHAN Class 14. MINI PORTABLE PRINTER

A2024/01015 - SAVERGLASS Class 09. BOTTLE

. - APPLIED ON 2024/10/09 -

F2024/01025 - BOS, Tyron Class 25. A SECURING DEVICE

A2024/01021 - Khayalethu Blessing Mdakane Class 25. SECURITY GATE

A2024/01028 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

F2024/01024 - BOS, Tyron Class 25. A SECURING DEVICE

A2024/01029 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/01030 - LEYRIKH Anatoliy Andreevich Class 12. VEHICLE

F2024/01022 - BOS, Tyron Class 25. A SECURING DEVICE

F2024/01023 - BOS, Tyron Class 25. A SECURING DEVICE

A2024/01027 - FÉDÉRATION INTERNATIONALE DE FOOTBALL ASSOCIATION (FIFA) Class 32. LOGO

A2024/01026 - BAYER AKTIENGESELLSCHAFT Class 9. VIAL PACKAGING

F2024/01031 - LEYRIKH Anatoliy Andreevich Class 12. VEHICLE

. - APPLIED ON 2024/10/10 -

A2024/01032 - HANSGROHE SE Class 23. SHOWER

A2024/01034 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01076 - Société des Produits Nestlé S.A. Class 7. BEVERAGE MACHINES

A2024/01038 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01077 - Société des Produits Nestlé S.A. Class 07. COFFEE MACHINES

F2024/01035 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01050 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01041 - Société des Produits Nestlé S.A. Class 7. COFFEE MACHINES

A2024/01036 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

F2024/01051 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01042 - BYD COMPANY LIMITED Class 12. AUTOMOBILE

F2024/01039 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01040 - SMEG S.p.A. Class 31. CARBONATING MACHINES

F2024/01037 - EVA-LAST DISTRIBUTORS (PTY) LTD Class 08. BRACKET

A2024/01033 - SODASTREAM INDUSTRIES LTD. Class 23. WATER PURIFIER

. - APPLIED ON 2024/10/11 -

A2024/01048 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/01044 - MKAZI CONCEPTS (PTY) LTD. Class 23. A DISPENSER

F2024/01043 - BosDyf (Pty) Ltd Class 09. BAKKIEBOOT

A2024/01047 - SMEG S.p.A. Class 07. OVENS

A2024/01046 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/01045 - The Coca-Cola Company Class 09. BOTTLES

A2024/01049 - SMEG S.p.A. Class 07. OVENS

. - APPLIED ON 2024/10/14 -

A2024/01055 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. A RING

A2024/01054 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. A RING

A2024/01056 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. CUFFLINK

A2024/01059 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. A RING

A2024/01053 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. A RING

A2024/01052 - Lou Chunxian Class 19. NOTEBOOKS

A2024/01057 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. AN EARING

A2024/01058 - BROWNS THE DIAMOND STORE (PTY) LIMITED Class 11. A PENDANT

. - APPLIED ON 2024/10/15 -

A2024/01060 - UNILEVER GLOBAL IP LIMITED Class 9. BOTTLE

A2024/01061 - UNILEVER GLOBAL IP LIMITED Class 9. BOTTLE

. - APPLIED ON 2024/10/16 -

A2024/01066 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2024/01079 - M and Co Studio Class 05. SURFACE PATTERN

A2024/01074 - PATEK PHILIPPE SA GENEVE Class 10. MOVEMENT FOR CLOCKS AND WATCHES

F2024/01080 - Wilhelmus Corneluis Adolf Moller Class 01. FEEDME BREAD

A2024/01073 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2024/01068 - PATEK PHILIPPE SA GENEVE Class 10. WATCH CASE

A2024/01065 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

F2024/01094 - CYNTHIA LUNGILE MBATHA Class 32. LUMBATHO AUDIT CONSULTANT

A2024/01067 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

F2024/01078 - BRYAN RAEL NATHAN Class 8. AN ARTICLE SUPPORT

A2024/01064 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2024/01062 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

A2024/01075 - PATEK PHILIPPE SA GENEVE Class 10. MOVEMENT FOR CLOCKS AND WATCHES

A2024/01072 - PATEK PHILIPPE SA GENEVE Class 10. WATCH DIAL

A2024/01071 - PATEK PHILIPPE SA GENEVE Class 10. WATCH CASE

A2024/01070 - PATEK PHILIPPE SA GENEVE Class 10. WATCH CASE

A2024/01069 - PATEK PHILIPPE SA GENEVE Class 10. WATCH DIAL

A2024/01063 - PATEK PHILIPPE SA GENEVE Class 10. WATCH

. - APPLIED ON 2024/10/17 -

A2024/01081 - YETI COOLERS, LLC Class 7. INSULATING CONTAINER

F2024/01086 - Matome Stephen Maponya Class 8. DOOR ACCESSORY

A2024/01084 - APPLE INC. Class 3. CASE

A2024/01082 - YETI COOLERS, LLC Class 7. INSULATING CONTAINER

A2024/01083 - YETI COOLERS, LLC Class 7. INSULATING CONTAINER

A2024/01085 - APPLE INC. Class 14. SET OF EARPHONES

. - APPLIED ON 2024/10/18 -

A2024/01088 - WILLIE TOMMY HESS Class 07. INSULATED CONTAINER FOR A SHOPPING CART

A2024/01090 - MONTRES TUDOR SA Class 10. WATCH DIAL

A2024/01087 - Marjorie Cillie Class 05. FRENCH QUILT WITH BRODERIE ANGLAISE NAPKIN QUARTER FOLD

F2024/01089 - WILLIE TOMMY HESS Class 07. INSULATED CONTAINER FOR A SHOPPING CART

F2024/01091 - JJ Govender Class 13. THE VERTICAL MICROGRIDS (DUAL PURPOSE - BOTH POWER & SMART)

. - APPLIED ON 2024/10/21 -

A2024/01093 - GALAGO STUDIOS (PTY) LTD Class 11. TRINKET

A2024/01092 - GALAGO STUDIOS (PTY) LTD Class 03. KEYHOLDER

. - APPLIED ON 2024/10/22 -

F2024/01095 - MARKS, Donovan, Alexander Class 13. HIGH VOLTAGE COUPLER

A2024/01096 - IRIZAR, S. COOP. Class 12. BUS

. - APPLIED ON 2024/10/23 -

A2024/01102 - Automobili Lamborghini S.p.A. Class 21. MODEL VEHICLES

A2024/01100 - Husqvarna AB Class 23. IRRIGATION CONTROLLERS

A2024/01101 - Husqvarna AB Class 23. IRRIGATION CONTROLLERS

A2024/01106 - SOLVIT ENGINEERING (PTY) LTD Class 12. COVER FOR A TOW HITCH

A2024/01105 - HONDA MOTOR CO., LTD. Class 12. MOTORCYCLE

A2024/01099 - Automobili Lamborghini S.p.A. Class 12. VEHICLES

A2024/01098 - Husqvarna AB Class 15. IRRIGATION CONTROLLERS

A2024/01104 - Husqvarna AB Class 15. IRRIGATION CONTROLLERS

A2024/01097 - Husqvarna AB Class 15. IRRIGATION CONTROLLERS

A2024/01103 - Husqvarna AB Class 23. IRRIGATION CONTROLLERS

. - APPLIED ON 2024/10/24 -

F2024/01108 - Espro Capital (Pty) Ltd. Class 6. MATTRESSES

A2024/01107 - WAHL CLIPPER CORPORATION Class 28. HAIR CLIPPER

. - APPLIED ON 2024/10/25 -

A2024/01109 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

Notice is hereby given that **JOHN PHILIP STUTTAFORD EVANS 18 Huising Street, Somerset West, 7130** has made application for the restoration of the design registered to the said **JOHN PHILIP STUTTAFORD EVANS** for the Design **CARRIER** application number: **F2020/00904** date **26/06/2020** which become void on **26/06/2023** 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 **JOHN PHILIP STUTTAFORD EVANS 18 Huising Street, Somerset West, 7130** has made application for the restoration of the design registered to the said **JOHN PHILIP STUTTAFORD EVANS** for the Design **CARRIER** application number: **F2020/00901** date **26/06/2020** which become void on **26/06/2023** 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 **JOHANNES HERMANUS VENTER Unit 4, Radio Road Alberton North** has made application for the restoration of the design registered to the said **JOHANNES HERMANUS VENTER EVANS** for the Design **INFLATION DEVICE** application number: **F2016/01034** date **25/07/2016** which become void on **25/07/2020** 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 **LIFELOC TECHNOLOGIES, INC 12441 WEST 49TH AVENUE, SUITE 4, WHEAT RIDGE, 80033, COLORADO, UNITED STATES OFAMERICA** has made application for the restoration of the design registered to the said **LIFELOC TECHNOLOGIES, INC** for the Design **CALIBRATION STATION**

application number: **A2013/01380** date **10/09/2013** which become void on **10/09/2024** 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

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of 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.

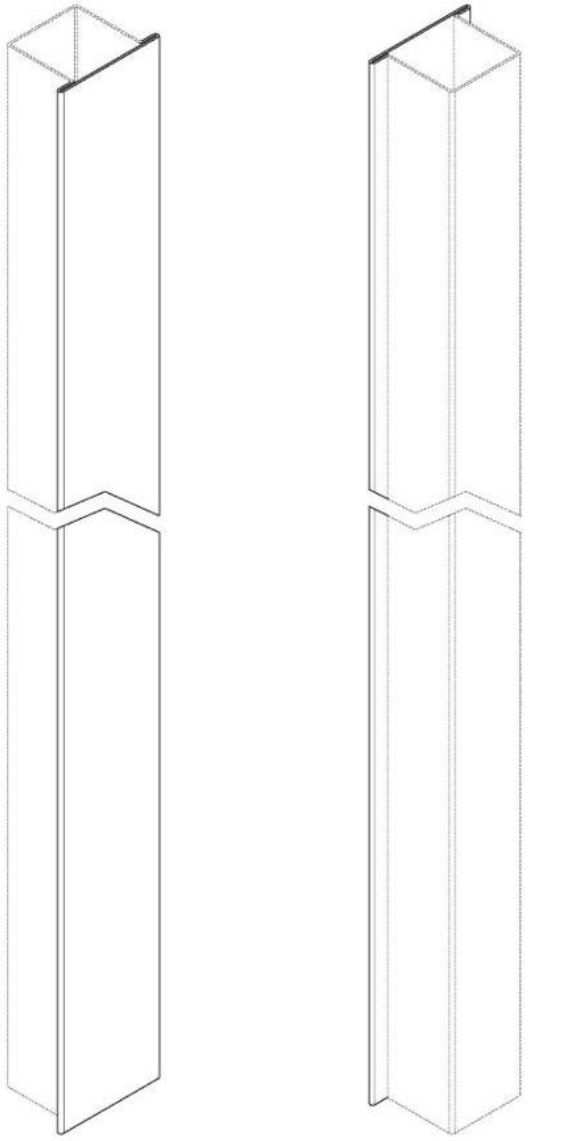
N.B.: Date of registration (43) is either Date of lodgment (22) or Date of convention of application (32) whichever

Registrar of Designs

21: A2020/00668 22: 2020-05-27 23:
43: 2023-05-09
52: Class 06 24: Part A
71: NEL, Willem Johannes, NYATANGA, Rick Irvo
54: A DESK SCREEN
57: The novelty of the design resides in the shape and/or configuration of a desk screen, substantially as shown in the accompanying representations.

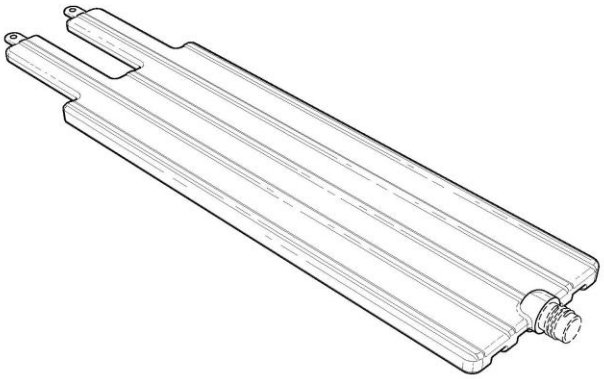


21: A2020/01213 22: 2020-09-08 23: 2020-09-08
43: 1900-01-01
52: Class 25 24: Part A
71: SECUROMESH CC
54: FENCE POST
57: The design is in respect of a fence post employed in assembling a fence, typically, a mesh fence, utilised to cordon off an area from unauthorised entry. The fence post has a longitudinal and generally rectangular shape when view front on with a planar front facing side wall extending from a first lateral edge to an opposing second lateral edge to define a width greater that the crosswise extent of the post when taken along its centre line from a first lateral side wall to an opposing second lateral side wall. When viewed in plan, the post defines a hollow interior and displays a generally T-shaped formation since both the first lateral edge and opposing second lateral edge, each define flanges extending longitudinally along the length of the post.

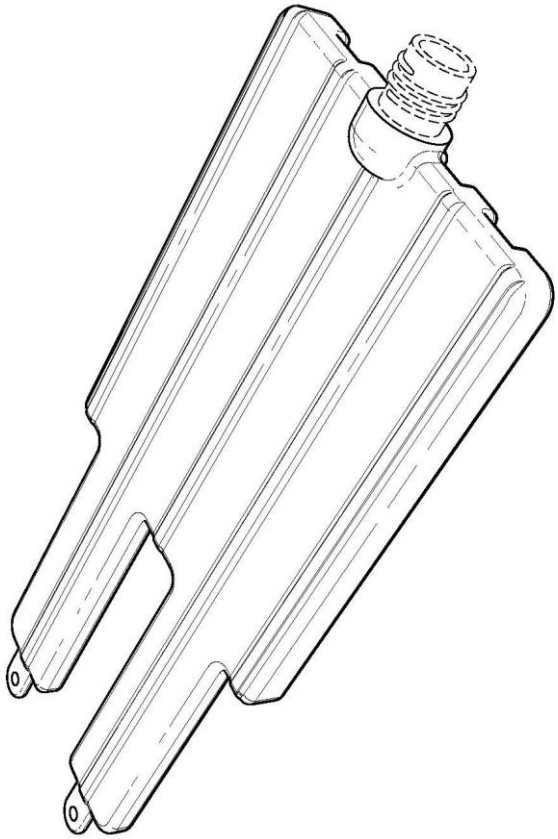


FRONT PERSPECTIVE VIEW REAR PERSPECTIVE VIEW

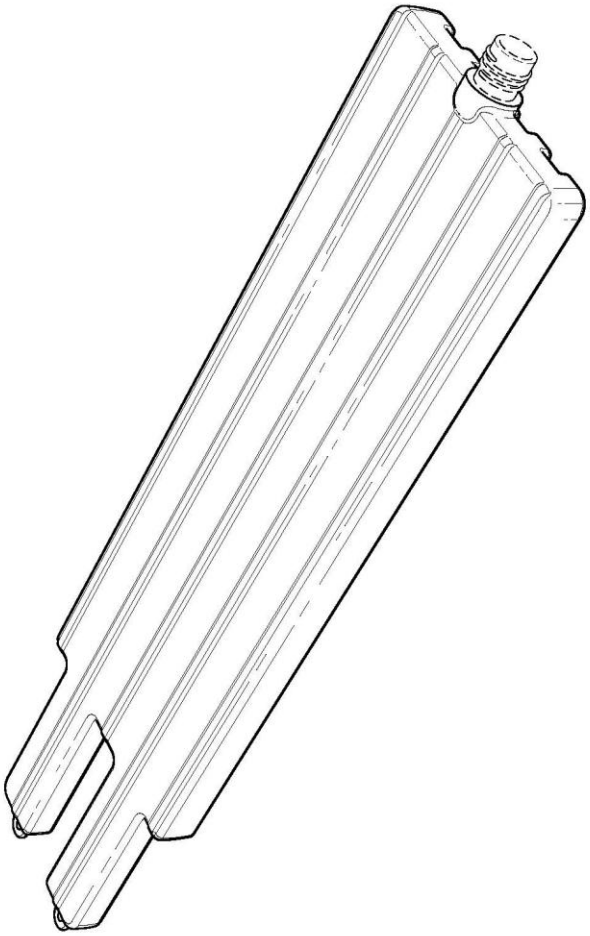
21: A2023/00252 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2023/00257 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

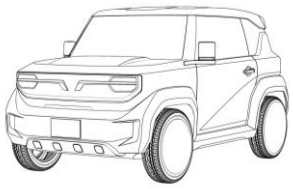


21: A2023/00259 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

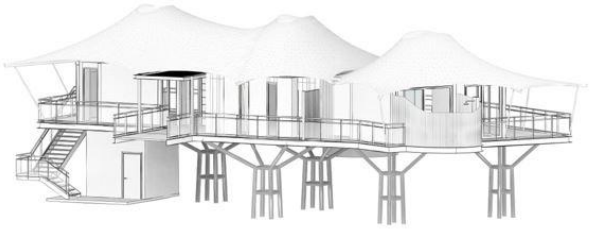


21: A2023/01253 22: 2023-11-22 23:
43: 2024-06-21
52: Class 12 24: Part A
71: Vinfast Trading and Production Joint Stock Company
33: VN 31: 3-2023-01159 32: 2023-05-26
54: AUTOMOBILE
57: Brief Statement of Features: The design is in respect of a four-wheel automobile having the shaping features shown in the drawings accompanying the application. The overall

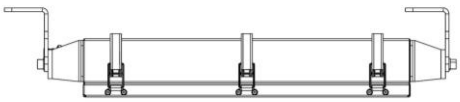
automobile comprises four parts: head, body, back and wheel, which has height : width : length ratio approximately of 1.9 : 1.1 : 1.



21: A2023/01297 22: 2023-11-30 23:
43: 2024-06-11
52: Class 21 24: Part A
71: TENTHOUSE STRUCTURES (PTY) LTD
54: A TENTED STRUCTURE
57: The design is applied to a tented structure. 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 tented structure, substantially as illustrated in the accompanying representations.



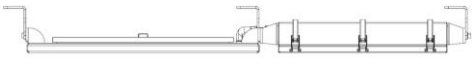
21: A2023/01443 22: 2023-12-19 23:
43: 2024-07-16
52: Class 26 24: Part A
71: Schréder
33: EU 31: 015025399-0001 32: 2023-06-20
54: PUBLIC LIGHT FIXTURE
57: The design is in respect of a light fixture. The light fixture is typically indicated for use as a fixture utilised for lighting in a public setting. The protection claimed is in respect of the shape and/or configuration and/or pattern of the light fixture as shown in the drawings accompanying the application for protection.



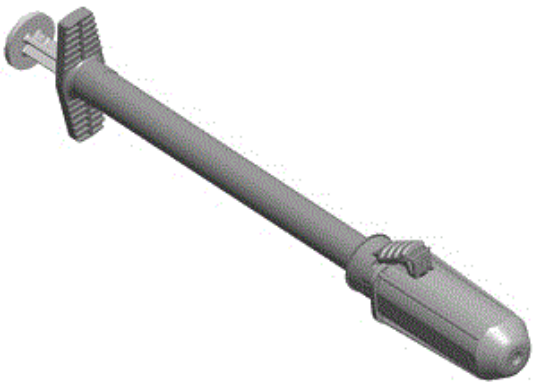
21: A2023/01444 22: 2023-12-19 23:
43: 2024-07-16
52: Class 26 24: Part A
71: Schréder
33: EU 31: 015025399-0005 32: 2023-06-20
54: PUBLIC LIGHT FIXTURE
57: The design is in respect of a light fixture. The light fixture is typically indicated for use as a fixture utilised for lighting in a public setting. The protection claimed is in respect of the shape and/or configuration and/or pattern of the light fixture as shown in the drawings accompanying the application for protection.



21: A2023/01445 22: 2023-12-19 23:
43: 2024-07-16
52: Class 26 24: Part A
71: Schréder
33: EU 31: 015025399-0004 32: 2023-06-20
54: PUBLIC LIGHT FIXTURE
57: The design is in respect of a light fixture. The light fixture is typically indicated for use as a fixture utilised for lighting in a public setting. The protection claimed is in respect of the shape and/or configuration and/or pattern of the light fixture as shown in the drawings accompanying the application for protection.



21: A2024/00006 22: 2024-01-02 23:
43: 2024-08-13
52: Class 24. 24: Part A
71: MEDIVENA SP. Z O.O.
33: US 31: 29/899,634 32: 2023-08-10
54: Safety Mechanism for a Hypodermic Needle
57: The design relates to a safety mechanism for a hypodermic needle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT, TOP AND RIGHT SIDE PERSPRCTIVE VIEW

21: A2024/00008 22: 2024-01-03 23:
43: 2024-08-14
52: Class 27 24: Part A
71: INNO-IT CO., LTD
33: EM 31: 015027333 32: 2023-07-07
54: AEROSOL GENERATOR FOR VAPING (E-CIGARETTE)
57: The representation shows a perspective view of an aerosol generator for vaping showing the overall appearance thereof.



21: A2024/00009 22: 2024-01-03 23:
43: 2023-07-07
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,494 32: 2023-07-07
54: FOOTWEAR
57: The design is for a footwear. The footwear has a midsole. The midsole includes an elongate forwardly extending part, a shorter rearwardly extending part, and a waisted medial part. A front portion of the forwardly extending part has outwardly curved lateral sides. A raised front portion of the midsole has a rectangular-shaped toe portion. The midsole has horizontally extending wavy line patterns that are recessed on both medial and lateral sides and extend partly along the rear portion of the rear part. The waisted medial portion has a raised undulating bottom edge on both sides.



Figure 1
Three-dimensional view

21: A2024/00010 22: 2024-01-03 23:
43: 2024-08-14
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,495 32: 2023-07-07
54: FOOTWEAR
57: The design is for a footwear. The footwear has an outsole. The outsole has a circular lug pattern that has front and rear circular lugs located at the toe and rear regions of the outsole, respectively. Irregularly shaped segmented portions are provided on the outsole and adjacent segmented portions define circular openings from which the circular lugs protrude. Midfoot circular lugs are visible along the side portions of a midfoot arch region of the outsole.

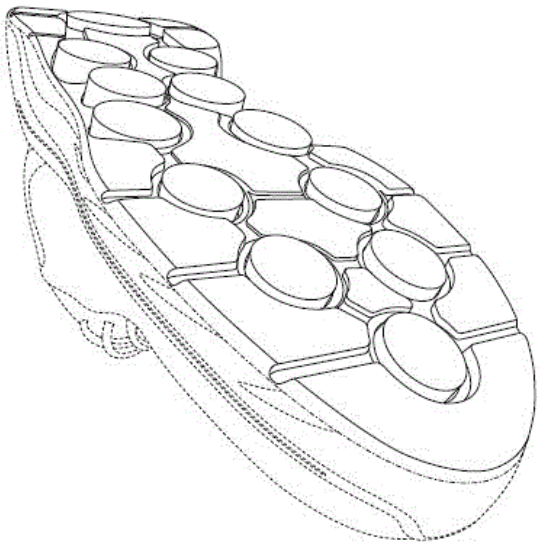


Figure 1
Three-dimensional view

21: A2024/00011 22: 2024-01-03 23:
43: 2023-07-07
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,495 32: 2023-07-07
54: FOOTWEAR
57: The design is for a footwear. The footwear has an outsole. The outsole has a circular lug pattern with isolated front and rear circular lugs located at the toe and rear regions of the outsole, respectively. The lug pattern includes midfoot circular lugs which are visible along the side portions of a midfoot arch region of the outsole.

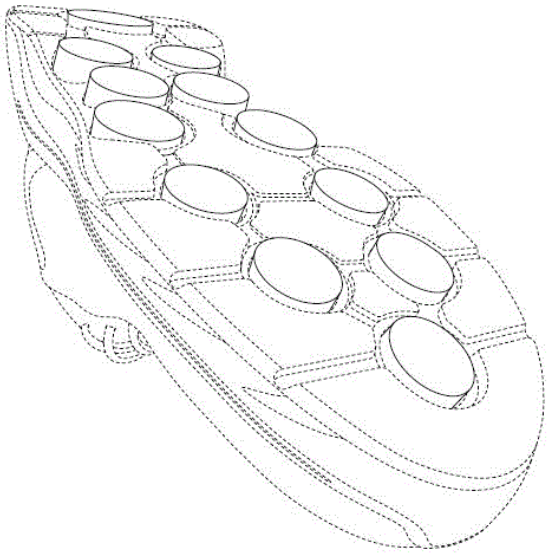
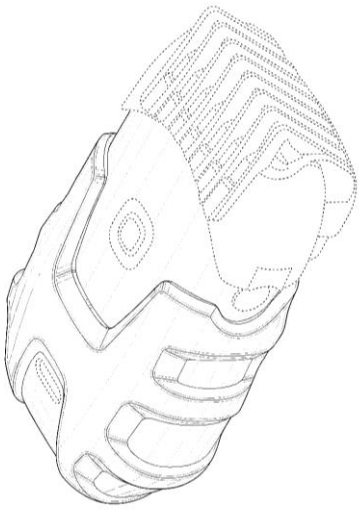


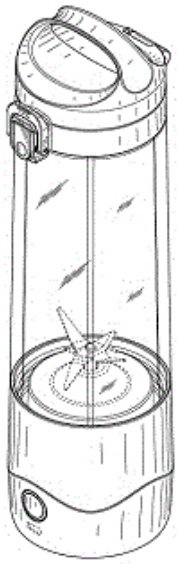
Figure 1
Three-dimensional view

21: A2024/00013 22: 2024-01-04 23:
43: 2024-08-14
52: Class 28 24: Part A
71: WAHL CLIPPER CORPORATION
33: US 31: 29/910,160 32: 2023-08-16
54: SHAVER WITH GRIP SLEEVE
57: The features of the design for which protection is claimed are those of the shape and/or configuration of a shaver with grip sleeve substantially as illustrated in the accompanying drawing. The areas in dotted outline are for illustrative purposes only and do not form part of the design.



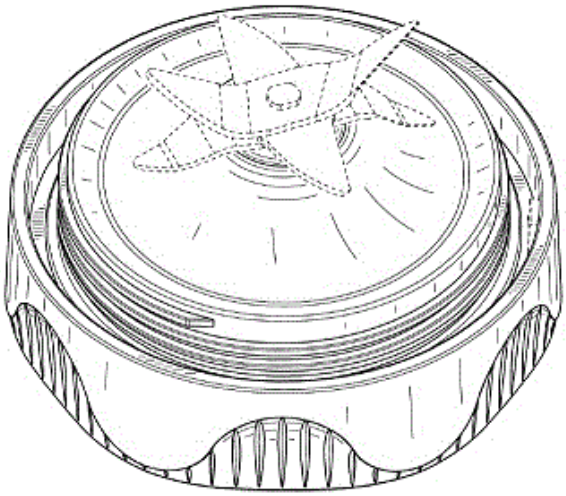
21: A2024/00014 22: 2024-01-04 23:
43: 2024-08-13
52: Class 31. 24: Part A

71: CAPBRAN HOLDINGS, LLC
33: US 31: 29/896,829 32: 2023-07-07
54: Cordless Blender
57: The design relates to a cordless blender. The features of the design are those of shape and/or configuration and/or ornamentation.



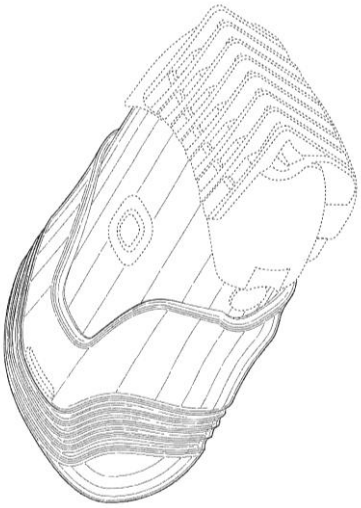
PERSPECTIVE VIEW

21: A2024/00015 22: 2024-01-04 23:
43: 2024-08-13
52: Class 31. 24: Part A
71: CAPBRAN HOLDINGS, LLC
33: US 31: 29/896,799 32: 2023-07-07
54: Blade Holder
57: The design relates to a blade holder. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2024/00017 22: 2024-01-05 23:
43: 2024-08-14
52: Class 28 24: Part A
71: WAHL CLIPPER CORPORATION
33: US 31: 29/910,488 32: 2023-08-21
54: SHAVER WITH RUBBER SLEEVE
57: The features of the design for which protection is claimed are those of the shape and/or configuration of a shaver with rubber sleeve substantially as illustrated in the accompanying drawing. The areas in dotted outline are for illustrative purposes only and do not form part of the design.



21: A2024/00022 22: 2024-01-10 23:
43: 2023-07-11
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/879,629 32: 2023-07-11
54: ANNULAR SEALS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a dual-peak annular seal, which may be used to seal a piston head of a hydraulic cylinder or strut for a machine.

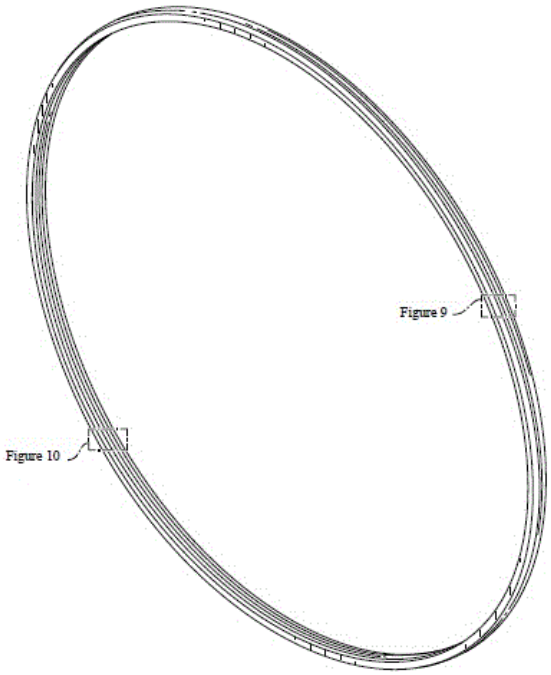


Figure 1
Three-dimensional view

21: A2024/00023 22: 2024-01-10 23:
43: 2023-07-11
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/879,629 32: 2023-07-11
54: ANNULAR SEALS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a dual-peak annular seal, which may be used to seal a piston head of a hydraulic cylinder or strut for a machine.

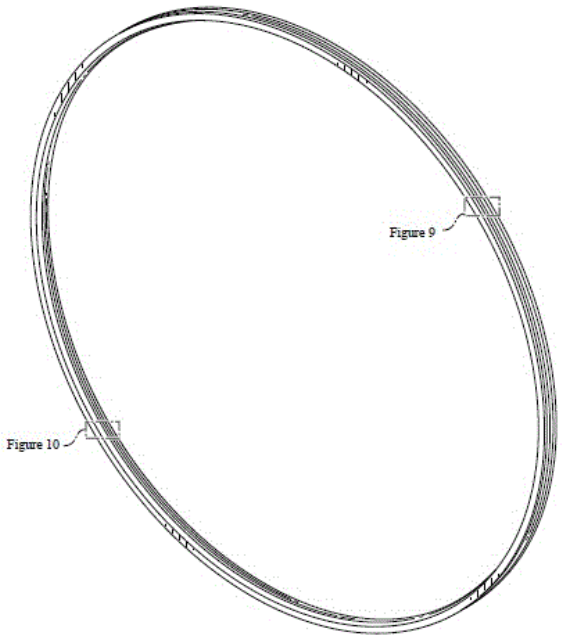
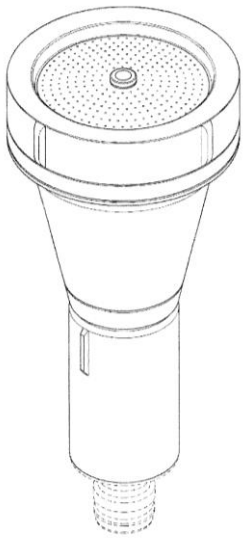


Figure 1
Three-dimensional view

21: A2024/00027 22: 2024-01-11 23:
43: 2024-08-14
52: Class 23 24: Part A
71: CLABER S.p.A.
33: EU 31: 015028492-0002 32: 2023-07-18
54: WATERING DEVICE
57: The features of the design for which protection is claimed are those of the shape and/or configuration of a watering device substantially as illustrated in the accompanying drawing. The structure “A” shown in dotted outline does not form part of the design.



21: A2024/00029 22: 2024-01-11 23:
43: 2023-07-13
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,845 32: 2023-07-13
54: FOOTWEAR
57: This design relates to an upper periphery of a sole for a shoe which sole includes wavy lines with a middle line having a jagged edge and a top portion having a peripherally extending series of short, slanted lines.



Figure 1

Three-dimensional view

21: A2024/00030 22: 2024-01-11 23:
43: 2023-07-13
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,848 32: 2023-07-13
54: FOOTWEAR
57: The design relates to a sole of a shoe which includes a roughly square lug pattern with toe and heel portions having an angled lug pattern and a central section having disjointed rhomboid segments and the central section having separate rhomboid segments at the toe and heel with a jagged pattern.



Figure 1

Three-dimensional view

21: A2024/00031 22: 2024-01-11 23:
43: 2023-07-13
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,848 32: 2023-07-13
54: FOOTWEAR
57: This design relates to a sole for a show which includes a roughly square lug pattern with toe and heel portions having an angled lug pattern and a central section having disjointed rhomboid segments and the central section having separate rhomboid segments at the toe and heel with a jagged pattern, plus disjointed central segments having a small triangular lug pattern.



Figure 1

Three-dimensional view

21: A2024/00032 22: 2024-01-11 23:
43: 2023-07-13
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,848 32: 2023-07-13
54: FOOTWEAR
57: This design relates to a sole for a shoe which includes a central segment having a lug pattern which comprises a plurality of spaced apart small triangles.

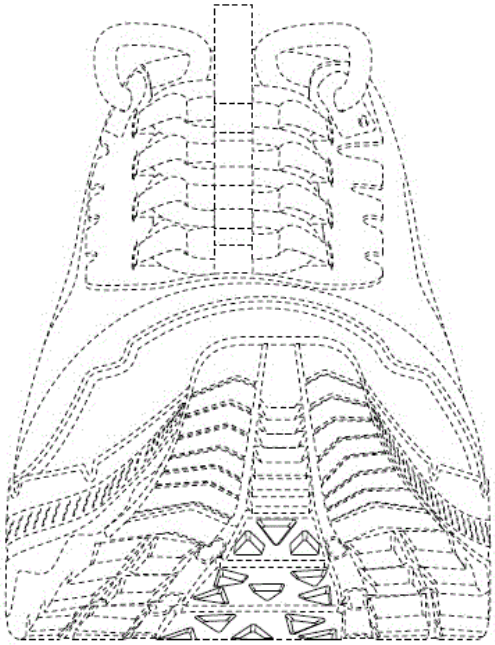
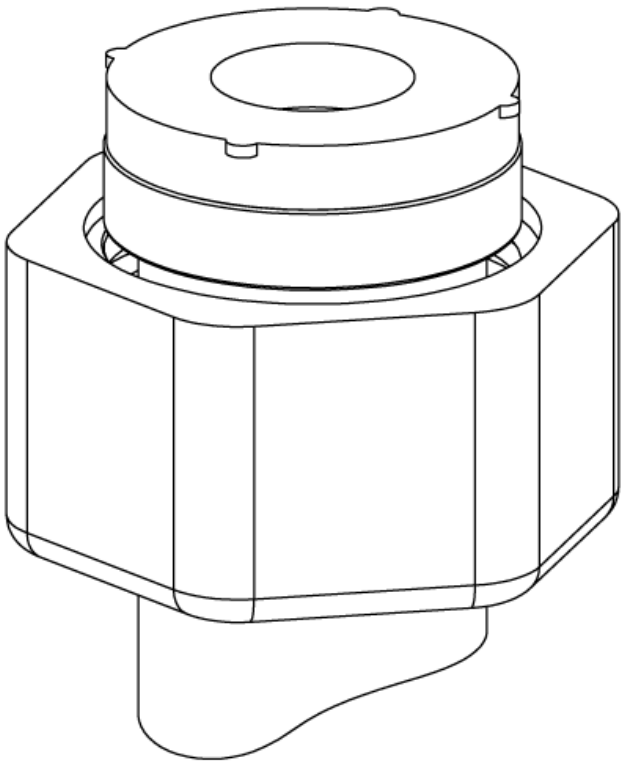


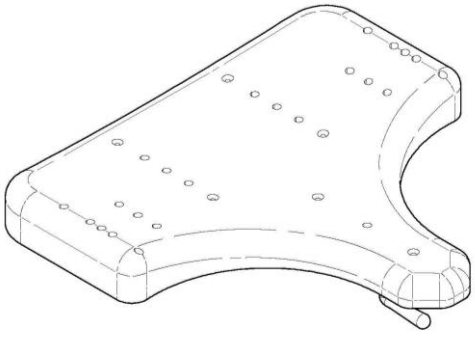
Figure 1

Front view

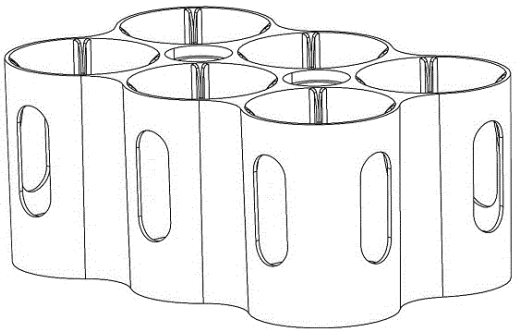
21: A2024/00034 22: 2024-01-11 23:
43: 2024-08-14
52: Class 23 24: Part A
71: LINCOR HOLDINGS (PTY) LTD
33: ZA 31: 2023/07015 32: 2023-07-12
54: A MODIFIED TAIL PIECE
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a tail piece, configured to connect a fluid line to a fluid meter, substantially as illustrated in Figures 1 to 5 of the accompanying representations.



21: A2024/00037 22: 2024-01-12 23:
43: 2024-01-12
52: Class 6 24: Part A
71: BEYER, Alden Gerald
54: A Seat for a Chair
57: The design is for a seat for a chair. The seat resembles a bicycle seat although it is intended for an office chair. The seat has a front end which is generally triangular shaped and has concave sides, terminating in a nose. The rear end is wider and generally rectangular. Mounting apertures are provided in the seat. Mounting formations are provided underneath the seat to mount the seat to a chair support.



21: A2024/00042 22: 2024-01-15 23:
43: 2024-08-14
52: Class 9 24: Part A
71: TAMC HOLDINGS PTY LTD
33: AU 31: 202314547 32: 2023-07-13
54: CONTAINER PROTECTOR
57: The design is applied to a container protector shown in perspective view in the drawing showing the overall appearance thereof.



21: A2024/00050 22: 2024-01-16 23:
43: 2023-07-17
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/880,069 32: 2023-07-17
54: FOOTWEAR
57: The design is for footwear. The footwear features undulating lines extending from the heel to the toe. A middle set of lines converges at the toe, adding a focal point to the design. A lower line has a high mid-foot arch and ends that taper towards the bottom baselines, integrating into the overall design.

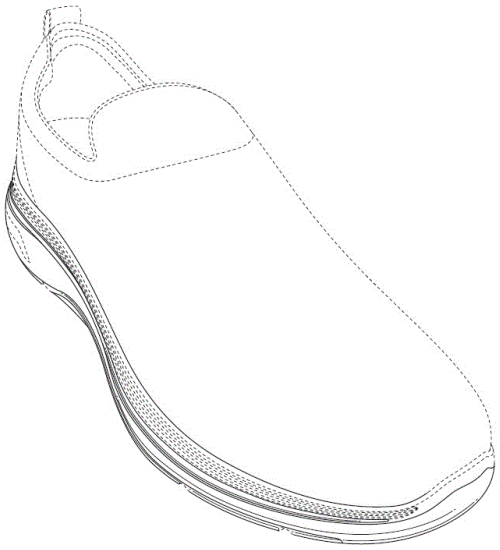
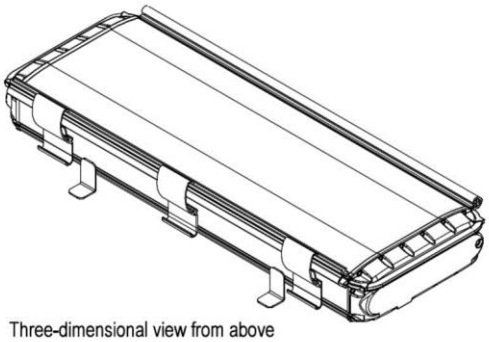


Figure 1

Three-dimensional view

21: A2024/00057 22: 2024-01-19 23:

43: 2023-07-25
52: Class 26 24: Not Applicable
71: SCHRÉDER S.A.
33: EM(BE) 31: 015029196-0001 32: 2023-07-25
54: A LIGHTING APPARATUS
57: The design is applied to a lighting apparatus. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a lighting apparatus, substantially as illustrated in the accompanying representations.



Three-dimensional view from above

21: A2024/00058 22: 2024-01-19 23:
43: 2024-08-13
52: Class 12. 24: Part A
71: HONDA MOTOR CO., LTD.
33: JP 31: 2023-015541 32: 2023-07-28
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.



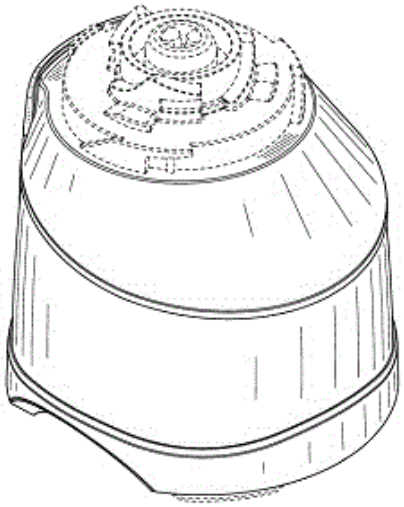
FRONT AND RIGHRT SIDE PERSPECTIVE VIEW

21: A2024/00078 22: 2024-01-22 23:
43: 2024-08-13
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/898,621 32: 2023-07-30
54: Popcorn Maker
57: The design relates to a popcorn maker. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



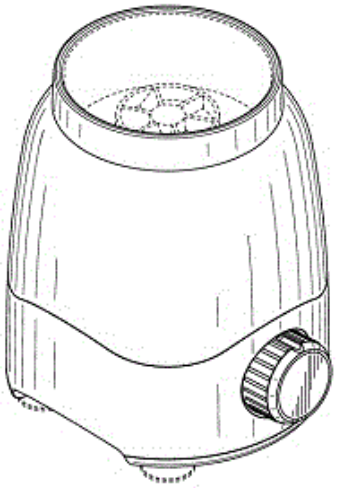
TOP PERSPECTIVE VIEW

21: A2024/00079 22: 2024-01-22 23:
43: 2024-08-13
52: Class 31. 24: Part A
71: CAPBRAN HOLDINGS, LLC
33: US 31: 29/898,939 32: 2023-08-02
54: Food Processor
57: The design relates to a food processor. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



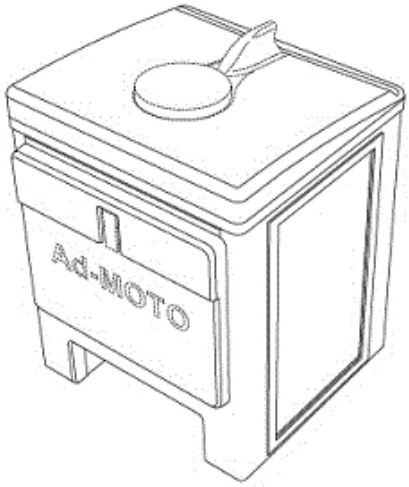
SECOND PERSPECTIVE VIEW

21: A2024/00080 22: 2024-01-22 23:
43: 2024-08-13
52: Class 31. 24: Part A
71: CAPBRAN HOLDINGS, LLC
33: US 31: 29/898,943 32: 2023-08-02
54: Blender
57: The design relates to a blender. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



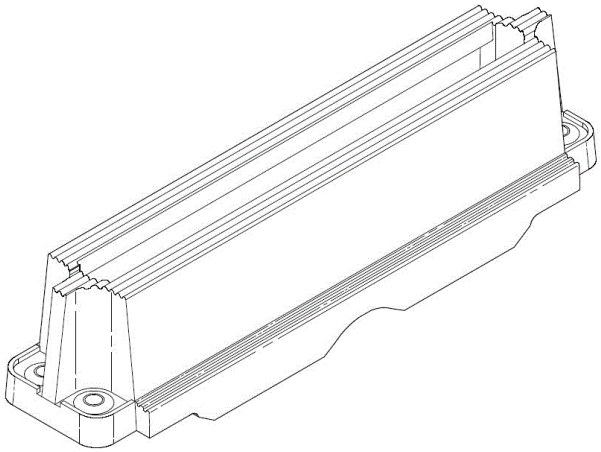
SECOND PERSPECTIVE VIEW

21: A2024/00089 22: 2024-01-24 23:
43: 2024-08-13
52: Class 9. 24: Part A
71: AD-MOTO LIMITED
33: GB 31: 6298644 32: 2023-07-24
54: A Cargo Box for a Motorbike
57: The design relates to a cargo box for a motorbike. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2024/00091 22: 2024-01-26 23:
43: 2024-01-26
52: Class 13 24: Part A
71: Original Brands CC t/a Connect-it
54: Brackets
57: The design is in respect of a solar panel mounting bracket and includes a generally rectangular base and a body which protrudes upwardly from the base. The body tapers upwardly inwardly. The base has two parallel sides and two parallel ends. A lip protrudes from a lower edge of one of the sides and has a centrally disposed recess therein. End edges of the lip are inclined.



21: A2024/00094 22: 2024-01-26 23:

43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter includes a scribe edge and a rounded edge. It also includes a channel in a front face between the scribe edge and the rounded edge, running substantially perpendicular to an axis between the scribe edge and the rounded edge. The scribe edge includes two angular sides meeting at an apex or at a substantially flat surface separating the two angular sides. The cutter includes a tapered edge about a perimeter of an upper surface.

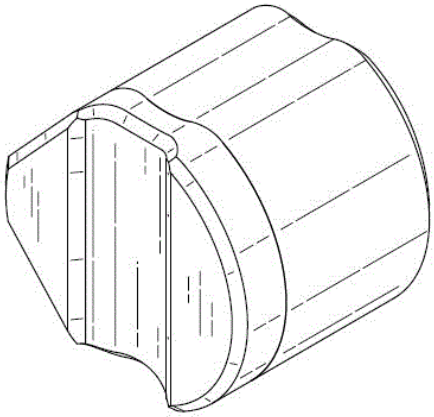


Figure 1

Three-dimensional view

21: A2024/00095 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter includes two rounded sides. The two rounded sides are opposite to one another. Each of the sides between the two rounded sides include a concave surface. The cutter has an upper surface and a lower surface which are substantially flat. Furthermore, the cutter includes a tapered edge about a perimeter of the upper surface and the lower surface.

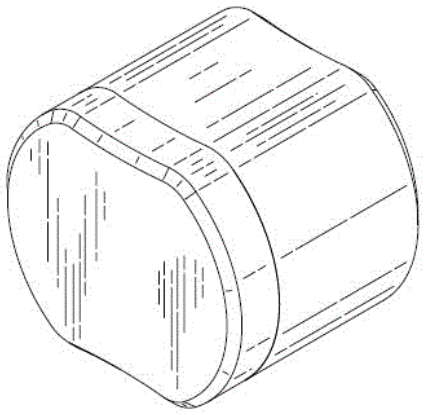


Figure 1

Three-dimensional view

21: A2024/00096 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially diamond shape. The substantially diamond shape includes four major, primary sides, each separated by a minor, secondary side. The four primary sides are equal in length. The opposing secondary sides are equal in length. An upper surface and a lower surface of the cutter are substantially flat or planar. The cutter includes a tapered edge about a perimeter of the upper surface and the lower surface.

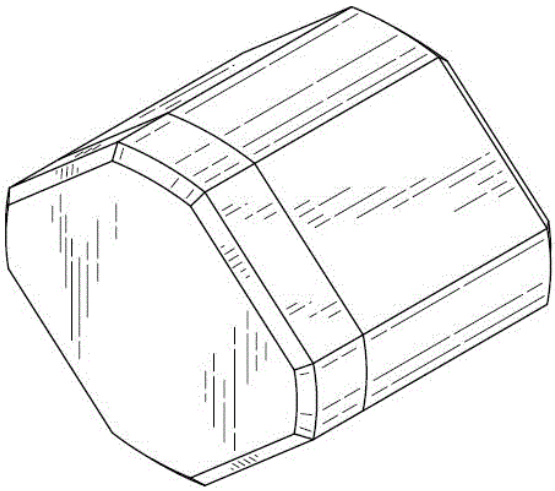


Figure 1

Three-dimensional view

21: A2024/00097 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square-to-round shape. An upper surface of the cutter is substantially square and is substantially flat. The cutter includes a tapered or bevelled edge about a perimeter of the upper surface. The cutter has biased facets that extend from a lower surface towards the upper surface of the earth boring cutter. Furthermore, the cutter includes four cutouts, creating the substantially square shaped upper surface of the earth boring cutter.

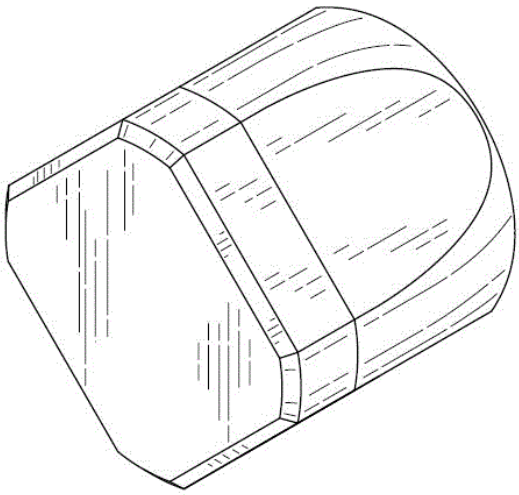


Figure 1

Three-dimensional view

21: A2024/00098 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square shape. Corners of the substantially square shape are flat, such that the sides of the substantially square shape are separated by generally straight sides. An upper surface of the cutter includes perpendicular channels extending laterally across from opposite sides of the earth boring cutter. The channels are concave and intersect medially. The upper surface includes raised portions, in relation to the concave channels, corresponding to the straight sides. The cutter includes a lower surface which is substantially flat. The cutter further includes a tapered or bevelled edge about a perimeter of the upper surface and the lower surface.

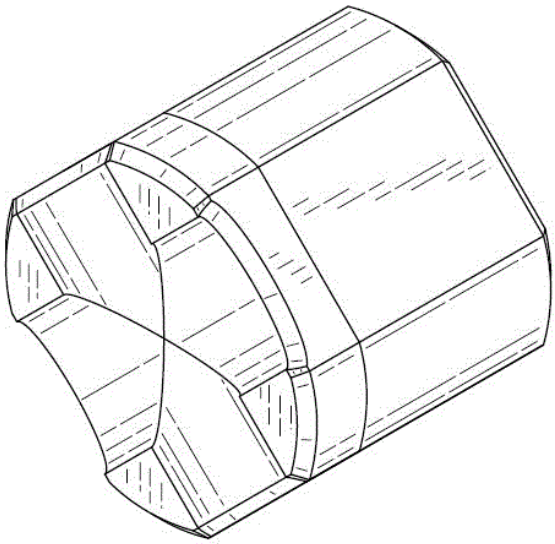


Figure 1

Three-dimensional view

21: A2024/00099 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square shape. The cutter further includes corners of the substantially square shape which are flat, such that the sides of the substantially square shape are separated by straight sides. The design includes an upper surface and a lower surface which are both substantially flat. The design includes a tapered edge about a perimeter of the upper surface and the lower surface.

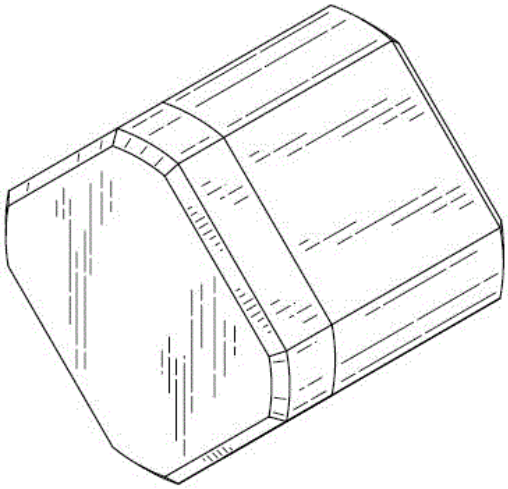


Figure 1

Three-dimensional view

21: A2024/00100 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially triangular shape. The corners of the cutter are bevelled or flat, such that the sides of the substantially triangular shape are separated by straight sides. The length of the sides of the substantially triangular shape is roughly equal to one another. The length of the straight sides is roughly equal to one another. The cutter includes an upper surface and a lower surface which are both substantially flat. The design includes a tapered or bevelled edge about a perimeter of the upper surface and the lower surface.

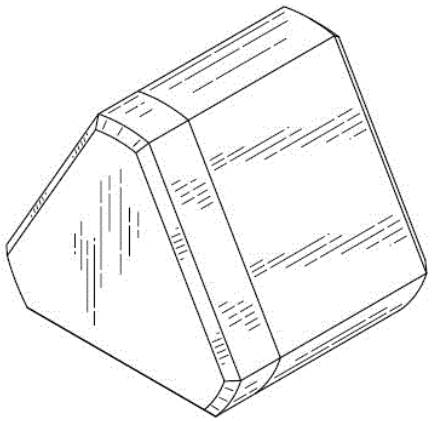


Figure 1

Three-dimensional view

21: A2024/00101 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square shape. The corners of the substantially square shape are flat, such that the sides of the substantially square shape are separated by straight sides. An upper surface of the design includes a raised ridge extending diagonally between two of the straight sides. The cutter includes a tapered edge about a perimeter of the upper surface and a lower surface.

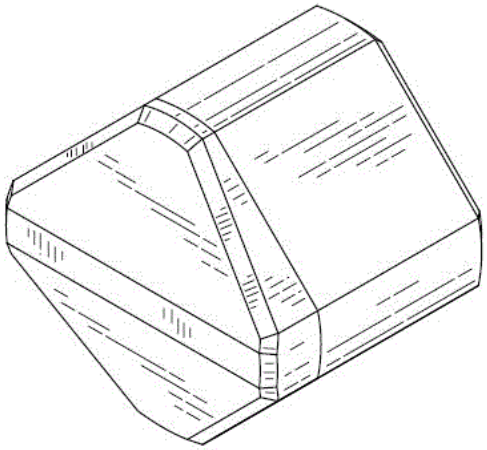


Figure 1

Three-dimensional view

21: A2024/00102 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square shape. The corners of the substantially square shape are flat, such that the sides of the substantially square shape are separated by straight sides. An upper surface of the design includes four grooves extending from the centre of the sides of the substantially square shape medially towards an intersection of ridges. The upper surface includes two ridges extending from the opposite straight sides and intersecting medially. The sides of the substantially square shape include indentations or concave features. The design includes a tapered edge about a perimeter of the upper surface and the lower surface.

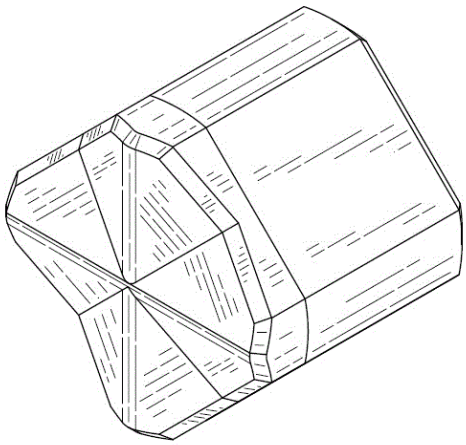


Figure 1

Three-dimensional view

21: A2024/00103 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has alternating concave and convex side surfaces. The cutter includes four convex side surfaces and four concave side surfaces. The concave and convex side surfaces extend along a height of the cutter. An upper surface and a lower surface of the cutter are substantially flat surfaces. The design includes a tapered or bevelled edge about a perimeter of the upper surface and the lower surface.

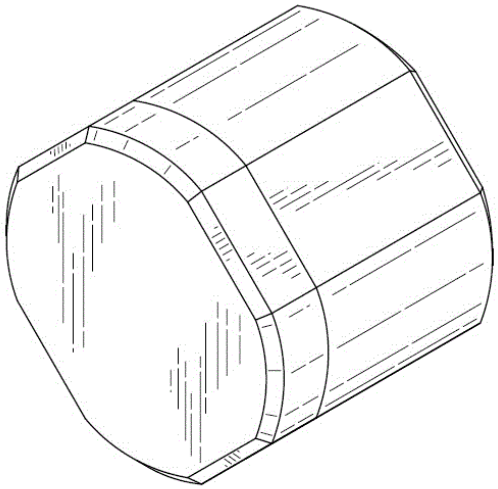


Figure 1

Three-dimensional view

21: A2024/00104 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter includes four concave sides and planar opposing upper and lower surfaces. The concave sides are separated by substantially flat sides. The concave sides extend along a height of the cutter. The cutter includes a tapered or bevelled edge about a perimeter of the upper surface and the lower surface.

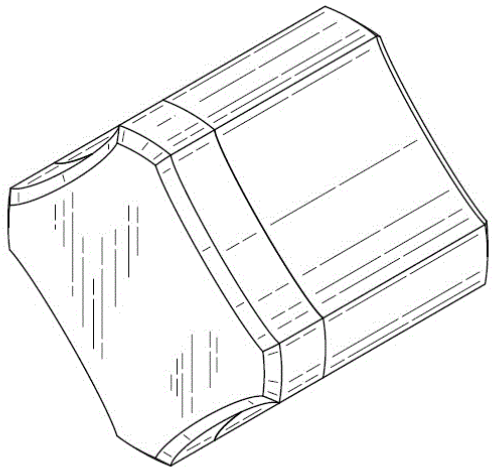


Figure 1

Three-dimensional view

21: A2024/00105 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially square shape. Corners of the substantially square shape are rounded, such that sides of the substantially square shape are separated by the rounded corners. The sides of the substantially square shape are roughly equal to one another in length. The rounded sides are roughly equal to one another in length and shape. An upper surface and lower surface of the cutter is substantially flat. The design includes a tapered or bevelled edge about a perimeter of the upper surface and the lower surface.

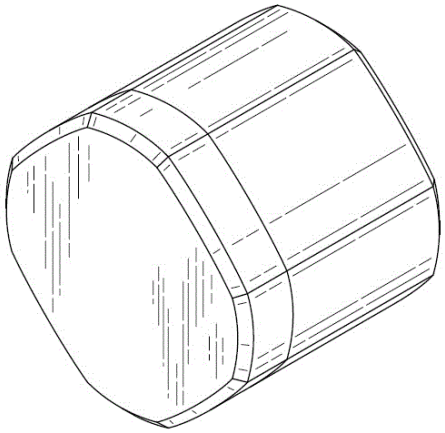


Figure 1

Three-dimensional view

21: A2024/00106 22: 2024-01-26 23:
43: 2023-07-27
52: Class 15 24: Part A
71: Ulterra Drilling Technologies, L.P.
33: US 31: 29/880,812 32: 2023-07-27
54: EARTH BORING CUTTERS
57: The design is for an earth boring cutter. The cutter has a substantially round upper end with a planar upper surface. The cutter includes a tapered edge about a periphery of the upper surface. The cutter has a round-to-square midriff which defines inwardly inclined facets cut out of the midriff of the earth boring cutter at a bias from an outer periphery of the cutter running medially towards a bottom surface such that the bottom surface forms a substantially square shape. The cutter includes a tapered or bevelled edge about a perimeter of the lower surface.

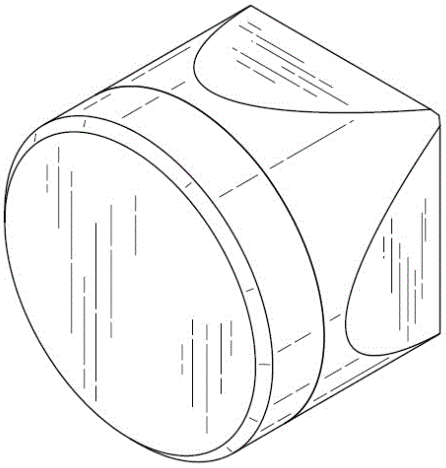


Figure 1

Three-dimensional view

21: A2024/00108 22: 2024-01-29 23:
43: 2024-01-29
52: Class 12 24: Part A
71: Terex India Private Limited
54: CRANES
57: The design is for a crane, in particular a mobile crane designed for higher lifting capacity applications. The crane is a 4-wheel drive crane which is equipped with a powerful Tier-III emission compliance engine, synchro shuttle transmission, and heavy-duty axles that make it versatile for all types of crane applications. The crane also includes a large torque converter and an ergonomically designed full-width cabin, which reduces driver fatigue while working long crane hours. Furthermore, the crane includes a heavy-duty U-section fabricated boom with welding on a neutral axis which offers superior durability and a competitive edge while lifting heavy loads. Additionally, the crane includes a safe load indicator, front outriggers, fly jib, man basket, drag winch, crash guard, rhino hook, beacon light and safety grill which makes the crane even more versatile.



Figure 1

Three-dimensional view

21: A2024/00112 22: 2024-01-30 23:
43: 2023-07-31
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2023304832083 32: 2023-07-31
54: AUTOMOBILES
57: The design is for an automobile. The front is designed relatively wide and has a large-sized hexagonal grille with diamond-shaped patterns. On both sides of the front face, there are two boomerang-shaped daytime running light groups, with internal light strips. Adjacent to the daytime running light groups are two ventilation openings, which along with the other features in the front, enhance the overall sportiness and technological appeal of the front face. Concealed door handles along with a trim line that is provided at the bottom of the side windows make the sides appear three-dimensional and slender, giving an overall impression of capability. The rear has through-type taillights that extend to both sides of the automobile. The exhaust outlets at the rear are paired with a protective panel around the bottom, giving the rear of the automobile a dynamic appearance.

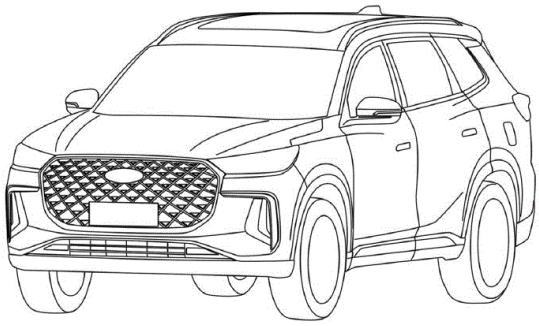


Figure 6

Three-dimensional view

21: A2024/00113 22: 2024-01-30 23:
43: 2023-07-31
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 2023304832115 32: 2023-07-31
54: AUTOMOBILES
57: The design is for an automobile. The front face is wide and has a large-sized hexagonal grille with a diamond matrix pattern. On both sides of the front face, there are two boomerang-shaped daytime running light groups, with internal light strips. Adjacent to the daytime running light groups are two ventilation openings, which along with the other features in the front, enhance the overall sportiness and technological appeal of the front face. The sides of the automobile have concealed door handles, a trim line that is provided at the bottom of the side windows, and substantially straight waistlines that maintain a certain upward trend, which altogether make the sides appear three-dimensional and slender, giving an overall impression of capability. The rear has taillights that span the central portion of the rear and narrow in the middle, creating a visually lightweight and dynamic effect.

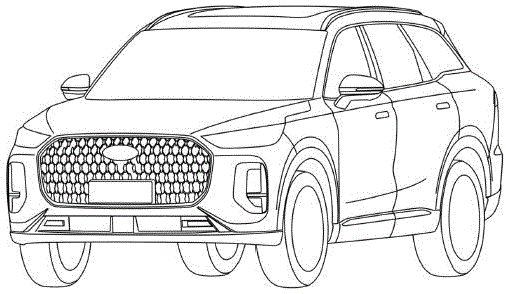


Figure 1

Three-dimensional view

21: A2024/00114 22: 2024-01-30 23:
43: 2023-07-31
52: Class 7 24: Part A
71: SMEG S.p.A.
33: HSIRID(IT) 31: DM/231332 32: 2023-07-31
54: COFFEE MACHINES
57: The design is for a coffee machine. The coffee machine has a body that is substantially in the form of a rectangular prism with rounded edges. A front face of the body is rectangular and substantially flat. A plurality of levers is provided on the front face as well as a trapezoidal-shaped container that is located at the center of the front face. A dispenser is provided at the bottom of the container. A generally rectangular drip tray is provided at the bottom. A portion of the top face of the coffee machine comprising an array of circular formations.

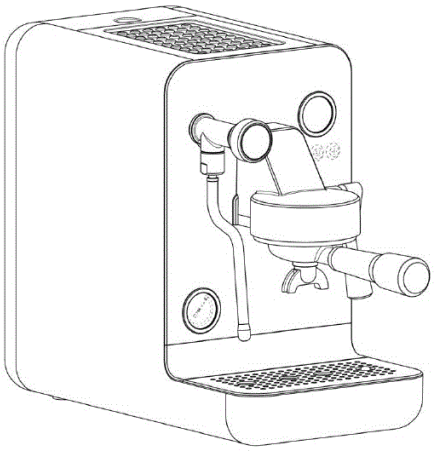
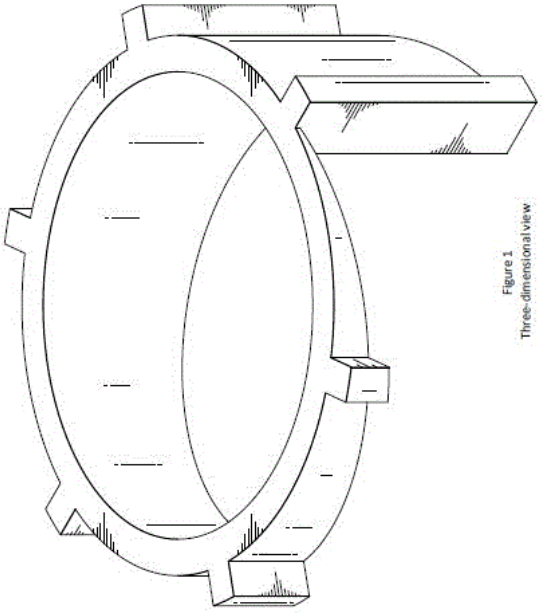


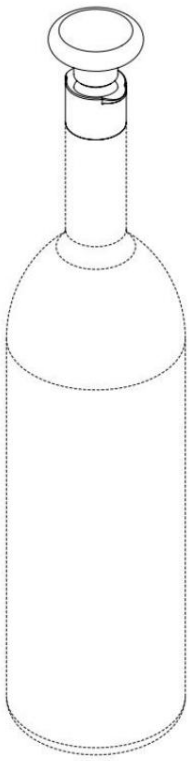
Figure 1

Three-dimensional view

21: A2024/00120 22: 2024-01-31 23:
43: 2023-11-09
52: Class 10 24: Part A
71: Omni United (S) PTE Ltd.
33: US 31: 29/906,761 32: 2023-11-09
54: TYRE TREAD DEPTH INDICATORS
57: The design is a graduated depth ring-shaped circular tyre tread depth indicator disposed within a tyre tread on a tyre surface. Six graduated height indicator block segments are positioned equidistant around the circumference of the ring-shaped design.



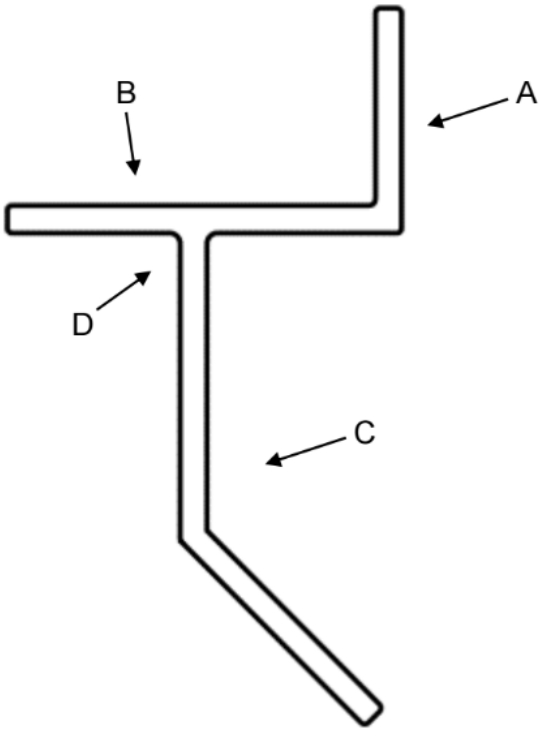
21: A2024/00136 22: 2024-02-01 23:
43: 2024-09-05
52: Class 09 24: Part A
71: VIA - VEDANTES INOVADORES, LDA.
54: BOTTLE CAP WITH STOPPER AND BOTTLE NECK
57: The features of the design for which protection is claimed include the shape and/or configuration and/or ornamentation of the BOTTLE CAP WITH STOPPER AND BOTTLE NECK substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2024/00138 22: 2024-02-01 23:
43: 2024-09-05
52: Class 09 24: Part A
71: VIA - VEDANTES INOVADORES, LDA.
54: BOTTLE CAP AND BOTTLE NECK
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE CAP AND BOTTLE NECK substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

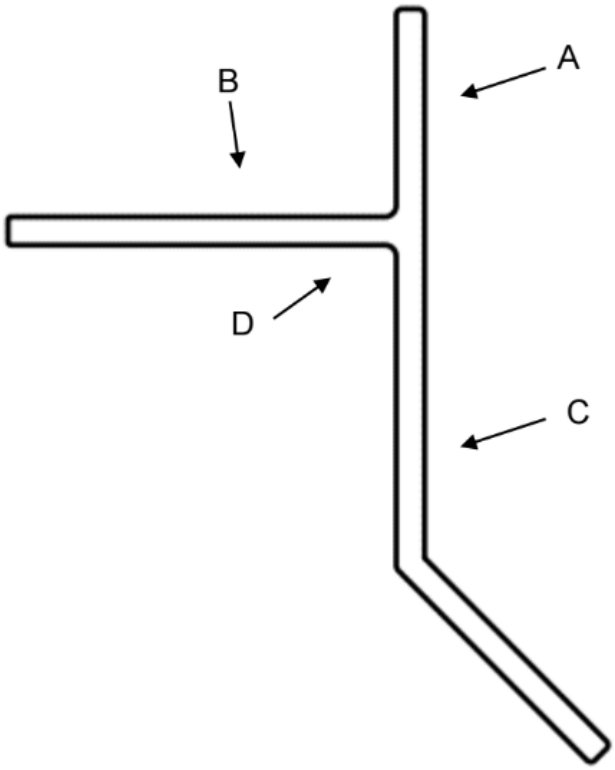


21: A2024/00183 22: 2024-02-15 23:
43: 2024-09-04
52: Class 25 24: Part A
71: VAN DAM, Rodney Cornel
54: AN EDGE PROFILE
57: The design relates to an edge profile which is preferably provided as an extrusion and used in building, particularly along an edge of a patio that is tiled. The features of the design are those of shape and/or configuration.



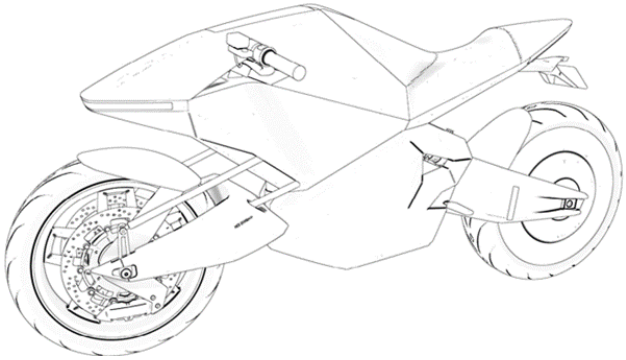
END VIEW
(showing profile with front to the right)

21: A2024/00184 22: 2024-02-15 23:
43: 2024-09-04
52: Class 25 24: Part A
71: VAN DAM, Rodney Cornel
54: AN EDGE PROFILE
57: The design relates to an edge profile which is preferably provided as an extrusion and used in building, particularly along an edge of a patio that is tiled. The features of the design are those of shape and/or configuration.



END VIEW
(showing profile with front to the right)

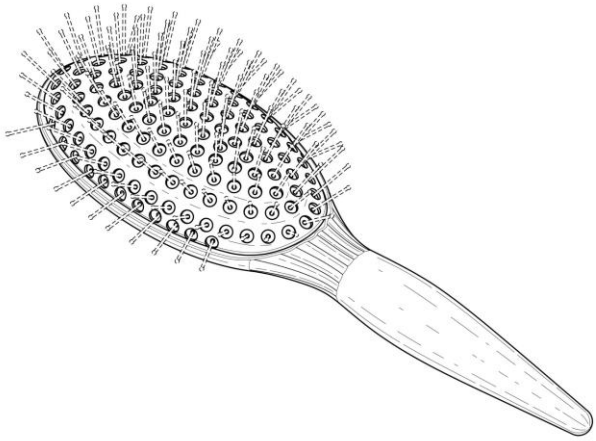
21: A2024/00198 22: 2024-02-16 23:
43: 2024-09-05
52: Class 12 24: Part A
71: OLA ELECTRIC MOBILITY PRIVATE LIMITED
33: EU 31: 015031426-0001 32: 2023-08-18
54: MOTORCYCLE
57: The design is applied to a motorcycle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the motorcycle, substantially as illustrated in the accompanying representation.



21: A2024/00213 22: 2024-02-22 23:
43: 2024-09-05
52: Class 23 24: Part A
71: CLABER S.p.A.
33: EU 31: 015034959-0002 32: 2023-09-22
54: SPRAY BOTTLE
57: The features of the design for which protection is claimed are those of the shape and/or configuration of the spray bottle substantially as illustrated in the accompanying drawing.

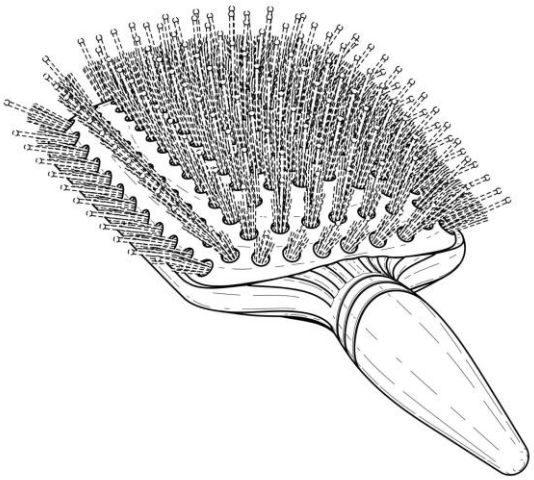


21: A2024/00214 22: 2024-02-22 23:
43: 2024-09-05
52: Class 04 24: Part A
71: J & D Brush Co., LLC
33: US 31: 29/901, 275 32: 2023-08-30
54: BRUSH
57: The design is for a brush substantially as shown and described in the representations.



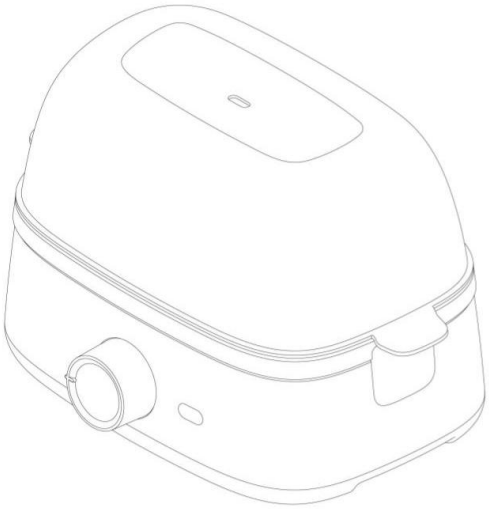
Top, left, and front perspective view

21: A2024/00215 22: 2024-02-22 23:
43: 2024-09-05
52: Class 04 24: Part A
71: J & D Brush Co., LLC
33: US 31: 29/901, 278 32: 2023-08-30
54: BRUSH
57: The design is for a brush substantially as shown and described in the representations.



Top, left, and front perspective view

21: A2024/00232 22: 2024-02-28 23:
43: 2024-09-05
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015033226-0001 32: 2023-09-06
54: EGG BOILER
57: The design is for an egg boiler substantially as shown in the representations.



21: A2024/00235 22: 2024-02-29 23:
43: 2024-09-05
52: Class 11 24: Part A
71: Ezra Misonne Du Preez
54: BRACELET DESIGN 30
57: The design relates to a Bracelet design 30. The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation.



21: A2024/00236 22: 2024-02-29 23:
43: 2024-09-05
52: Class 11 24: Part A
71: Ezra Misonne Du Preez
54: BRACELET DESIGN
57: The design relates to a Bracelet design . The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation.



21: A2024/00237 22: 2024-02-29 23:
43: 2024-09-05
52: Class 11 24: Part A
71: Ezra Misonne Du Preez
54: BRACELET DESIGN
57: The design relates to a Bracelet design. The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation.



21: A2024/00238 22: 2024-02-29 23:
43: 2024-09-05
52: Class 11 24: Part A
71: Ezra Misonne Du Preez
54: BRACELET DESIGN
57: The design relates to a Bracelet Design. The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation.

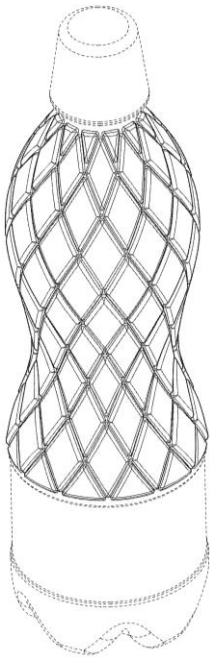


21: A2024/00239 22: 2024-02-29 23:
43: 2024-09-05

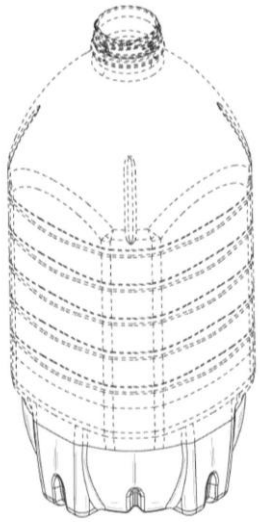
52: Class 11 24: Part A
71: Ezra Misonne Du Preez
54: BRACELET DESIGN
57: The design relates to a Bracelet design. The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation.



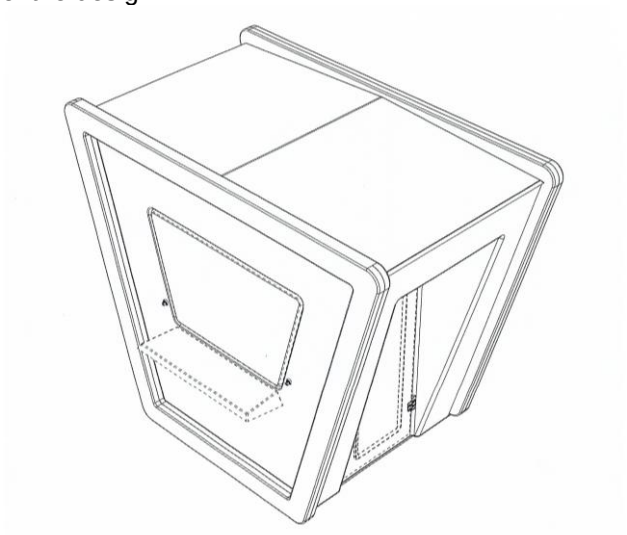
21: A2024/00249 22: 2024-03-06 23:
43: 2024-10-11
52: Class 09 24: Part A
71: VIRGIL AQUA (PTY) LTD
54: CONTAINER
57: The feature for which protection is claimed resides in the shape and/or configuration and/or pattern and/or ornamentation of a container, as shown in the accompanying drawing. The features indicated in broken lines are for illustrative purposes only and do form not form part of the design.



21: A2024/00262 22: 2024-03-13 23:
43: 2024-10-11
52: Class 09 24: Part A
71: Plastipak Packaging, Inc.
33: US 31: 29/903,940 32: 2023-09-28
54: CONTAINER BASE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a grinder gear arrangement substantially as shown in the accompanying representation(s). The broken lines shown in the drawings illustrate are included for the purpose of illustrating portions that form no part of the claimed design.



21: A2024/00268 22: 2024-03-18 23:
43: 2024-10-11
52: Class 25 24: Part A
71: JURO TRADING (PTY) LTD
54: KIOSK
57: The feature for which protection is claimed resides in the shape and/or configuration of a container, as shown in the accompanying drawing. The features indicated in broken lines are for illustrative purposes only and do form not form part of the design.



21: A2024/00286 22: 2024-03-19 23:
43: 2024-10-11
52: Class 23 24: Part A
71: PLASTINTERNATIONAL (PTY) LIMITED
54: ABOVE GROUND METER BOX
57: The features of the design for which protection is claimed reside in the shape and/or configuration an above ground meter box (a) comprising a base (b) and a lid (c) substantially as shown in the accompanying representations.

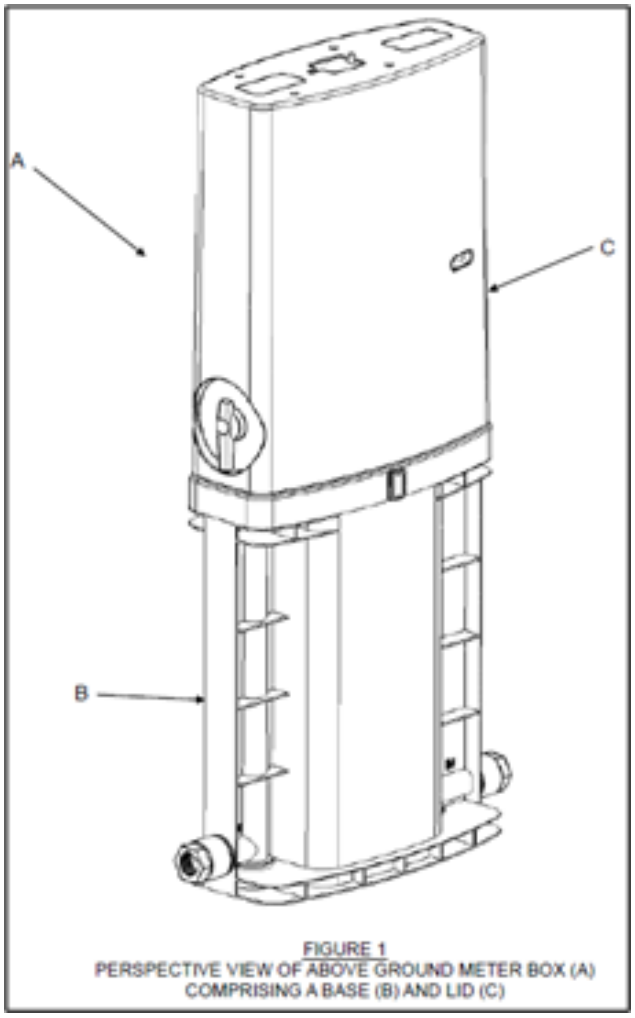
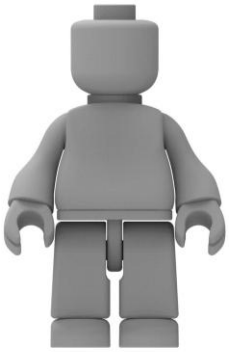


FIGURE 1
PERSPECTIVE VIEW OF ABOVE GROUND METER BOX (A) COMPRISING A BASE (B) AND LID (C)

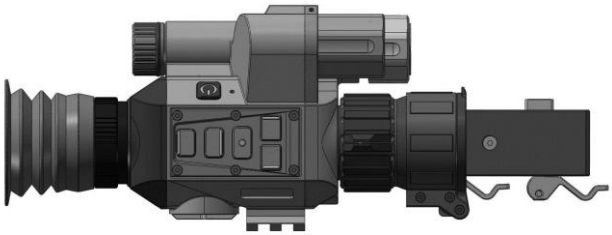
21: A2024/00863 22: 2024-09-03 23:
43: 2024-10-08
52: Class 14 24: Part A
71: Shanghai Jinyuecheng Technology Co., Ltd.
54: AUDIO AND TELEVISION
57: The design relates to a Audio and Television. The features of the design are those of shape and/or pattern and/or configuration.

Front View

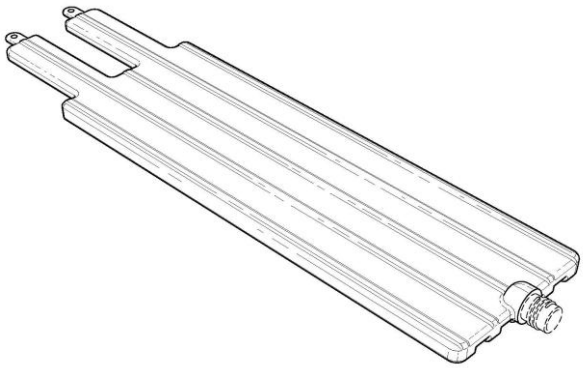
21: A2024/00880 22: 2024-09-10 23:
43: 2024-10-08
52: Class 21 24: Part A
71: Guangdong Sembo Culture Industry Co., Ltd.
54: BLOCK TOY
57: The design relates to a Block Toy. The feature of the design is that of shape.



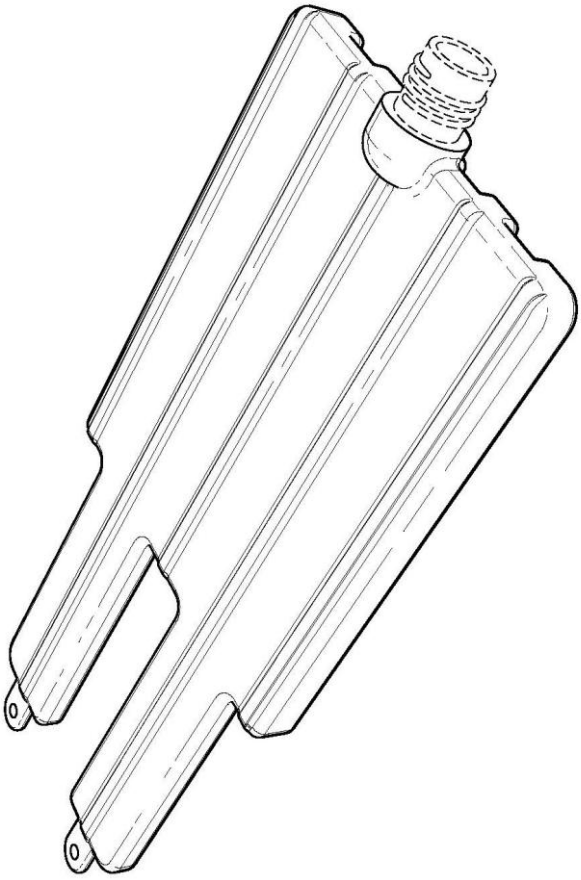
21: A2024/00892 22: 2024-09-16 23:
43: 2024-10-08
52: Class 16 24: Part A
71: Shenzhen Ten Rings Optics Co., Ltd.
33: CN 31: 2024304471126 32: 2024-07-17
54: NIGHT VISION DEVICE
57: The design relates to a Night vision device. The feature of the design is that of shape.



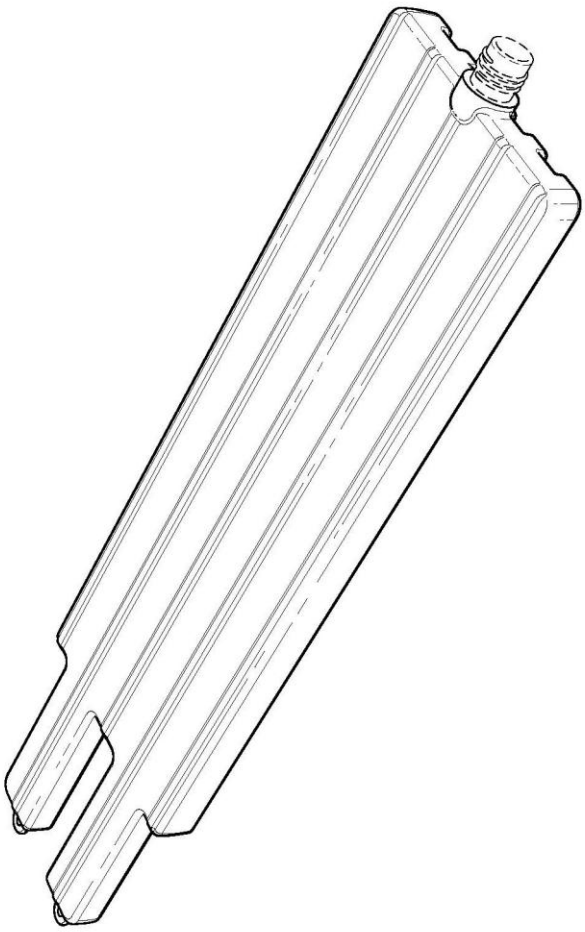
21: F2023/00253 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part F
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



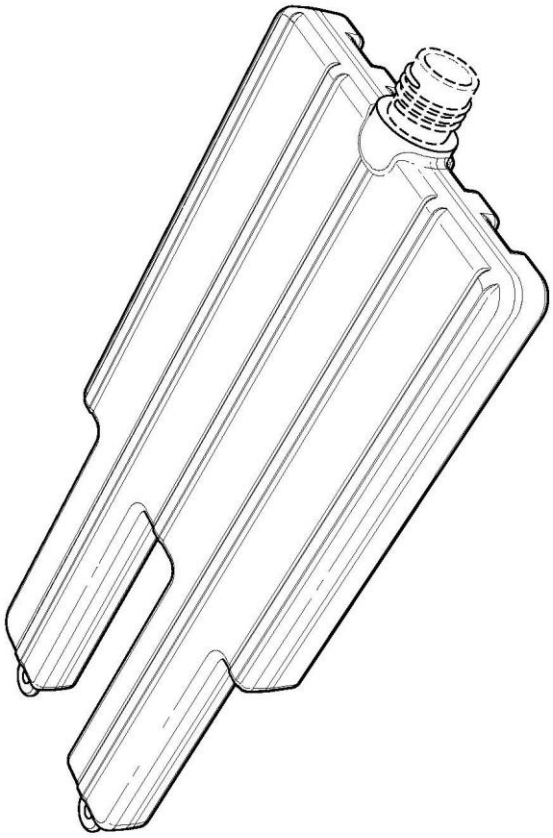
21: F2023/00258 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part F
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00260 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part F
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00262 22: 2023-02-22 23:
43: 2024-10-01
52: Class 09 24: Part F
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00628 22: 2023-05-29 23:
43: 2024-09-04
52: Class 24 24: Part F
71: BECKER, Gert Stephanus
54: SHAFT FOR MEDICAL INSTRUMENT
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a shaft for a medical instrument, substantially as illustrated in the accompanying representations, but those parts shown in broken lines are for illustrative purposes only and do not form part of the design.

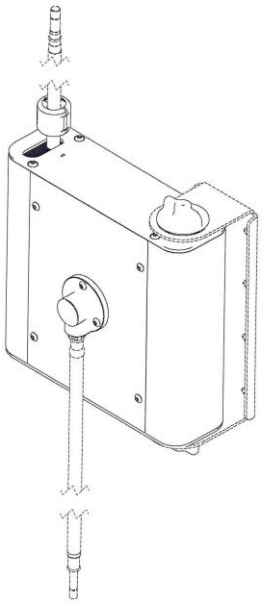


FIRST PERSPECTIVE VIEW

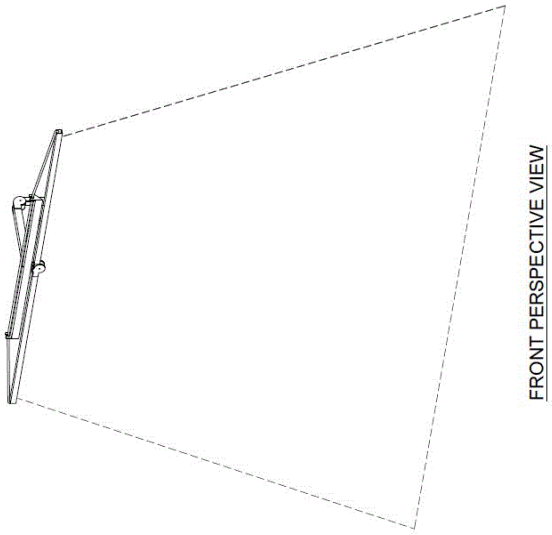
21: F2023/00906 22: 2023-08-17 23: 2023-05-01
43: 2024-09-25
52: Class 09 24: Part F
71: LACY, Anthoney James
54: MODULAR PLANT CONTAINER
57: The feature of the design for which protection is claimed resides in the shape and/or configuration of a modular plant container substantially as illustrated in the accompanying drawing.



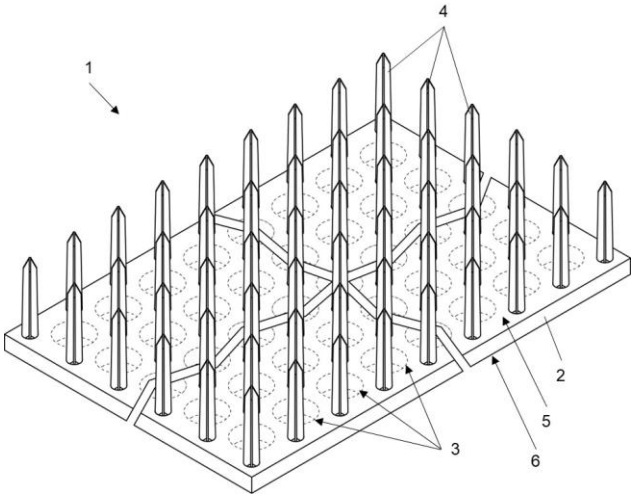
21: F2023/00913 22: 2023-08-21 23:
43: 2024-09-25
52: Class 08 24: Part F
71: ZIP HEATERS (AUST) PTY LTD
33: AU 31: 202311002 32: 2023-02-21
54: A HOSE MANAGEMENT SYSTEM
57: The features for which protection is claimed reside in the shape and/or configuration of a hose management system, substantially as shown in the accompanying drawing. The features illustrated in broken lines do not form part of the design.



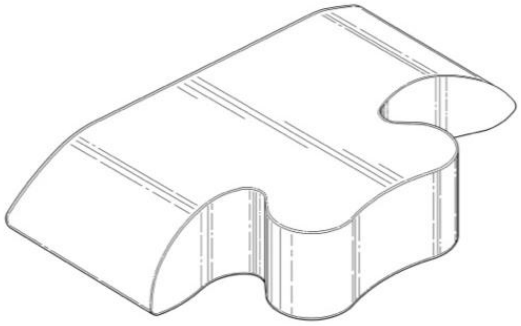
21: F2023/00985 22: 2023-09-08 23:
43: 2024-09-04
52: Class 21 24: Part F
71: VAN EEDEN, Christiaan Hieronymans Bornman
54: SPORTING NET SUPPORT FRAME
57: The design relates to a sporting net support frame. The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of the sporting net support frame substantially as illustrated in the accompanying representations, irrespective of the features shown in broken lines.



21: F2024/00001 22: 2024-01-02 23:
43: 2024-08-13
52: Class 09 24: Part F
71: WRIGHT, Brennan Kevin, DICK, James Quinton Cameron
54: A TRAY
57: The design is applied to a tray. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the tray, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Separations depicted by break lines indicate indeterminate dimensions and any portion between the break lines does not form part of the design and is disclaimed.

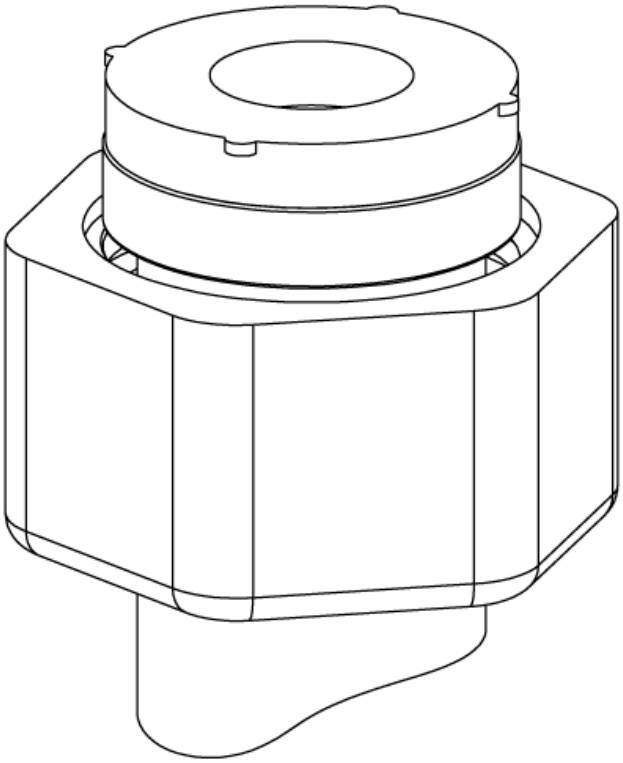


21: F2024/00016 22: 2024-01-05 23:
43: 2024-08-14
52: Class 06 24: Part F
71: MARAIS, Petronella Jardin
54: PILLOWS
57: The design is for a pillow, in particular for a pillow to be used by a user, after having facial procedures performed, to alleviate pressure from treated areas. The predominantly rectangular pillow tapers to pointed edges on both short sides. The pillow has symmetrical contoured cavities, about the pillow's centre line running parallel to the user's spine, to allow it to maintain a consistent level of support and relief to the treated areas, irrespective of the orientation or position of the user's head. The pillow is produced from a comfortable and adaptable material such as memory foam or latex. For added convenience and hygiene, the pillow is typically covered with a zippered pillowcase.

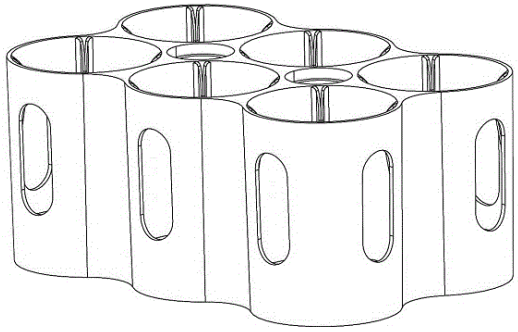


Three-dimensional view of a pillow

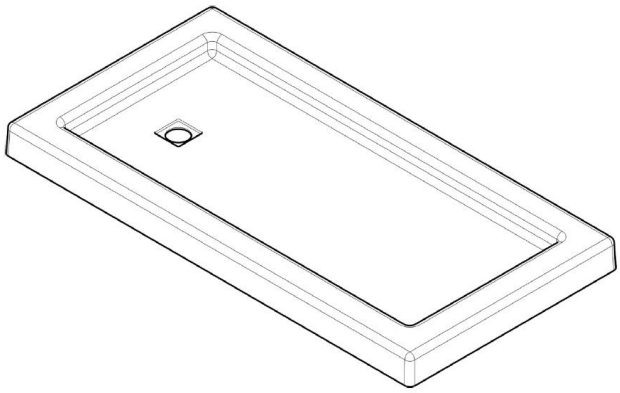
21: F2024/00035 22: 2024-01-11 23:
43: 2024-08-14
52: Class 23 24: Part F
71: LINCOR HOLDINGS (PTY) LTD
33: ZA 31: 2023/07015 32: 2023-07-12
54: A MODIFIED TAIL PIECE
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a tail piece, configured to connect a fluid line to a fluid meter, substantially as illustrated in Figures 1 to 5 of the accompanying representations. It being a definitive feature of the tail piece that a circlip is receivable in a groove about a front end of the tail piece pipe.



21: F2024/00043 22: 2024-01-15 23:
43: 2024-08-14
52: Class 9 24: Part F
71: TAMC HOLDINGS PTY LTD
33: AU 31: 202314547 32: 2023-07-13
54: CONTAINER PROTECTOR
57: The design is applied to a container protector shown in perspective view in the drawing showing the overall appearance thereof.

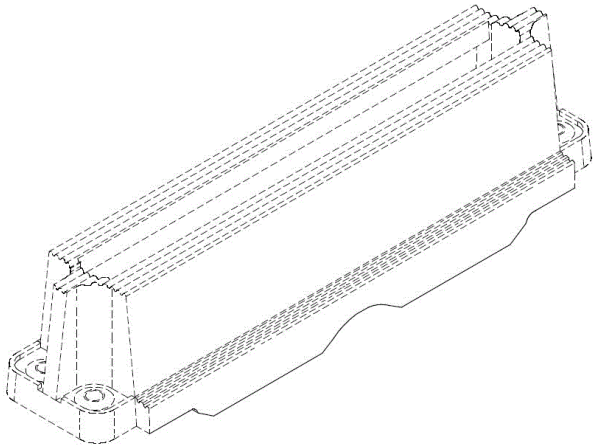


21: F2024/00088 22: 2024-01-24 23:
43: 2024-08-14
52: Class 23 24: Part F
71: Little Eden Society (a South African Non-Profit Organisation)
54: SHOWER BATH
57: The features of this design for which protection are claimed include the shape and/or configuration of a shower bath substantially as illustrated in the accompanying representations.

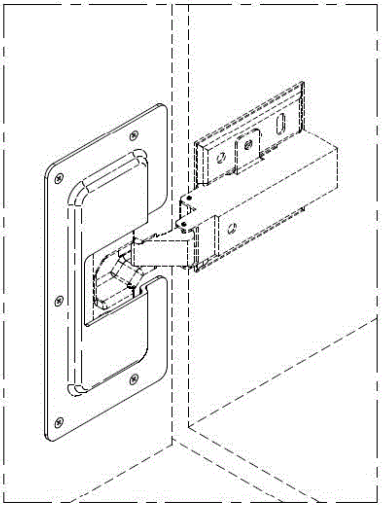


TOP PERSPECTIVE VIEW

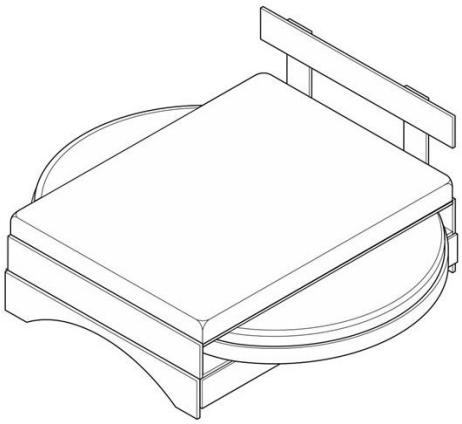
21: F2024/00092 22: 2024-01-26 23:
43: 2024-01-26
52: Class 13 24: Part F
71: Original Brands CC t/a Connect-it
54: Brackets
57: The design is in respect of a solar panel mounting bracket and includes a generally rectangular base and a body which protrudes upwardly from the base. The body tapers upwardly inwardly. The base has two parallel sides and two parallel ends. A lip protrudes from a lower edge of one of the sides and has a centrally disposed recess therein. End edges of the lip are inclined. The recess and inclined edges are spaced and configured to engage with undulations in roof sheeting in order to locate the bracket transversely relative to the sheeting.



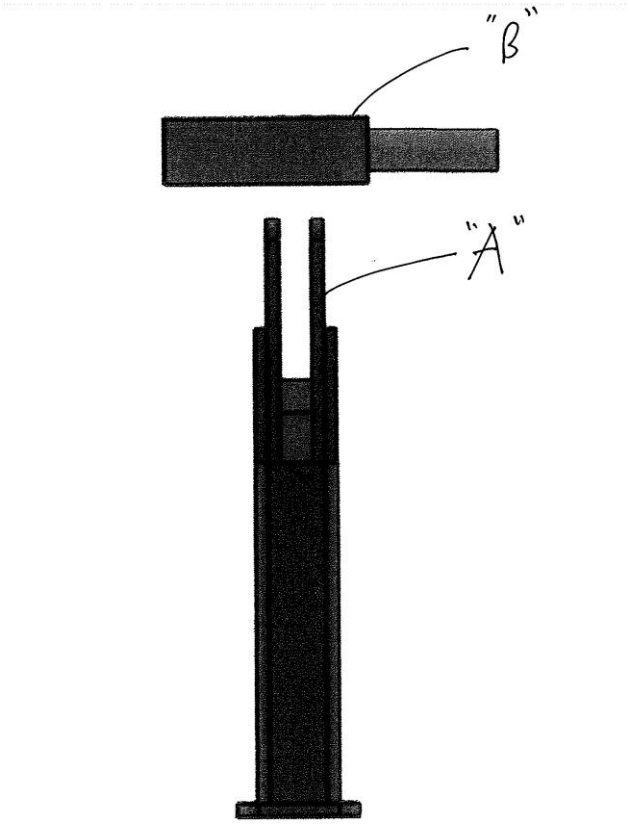
21: F2024/00109 22: 2024-01-29 23: 2023-08-04
43: 2023-08-04
52: Class 8 24: Part F
71: JOOSTE, Frans
54: HINGE REPAIR PLATES
57: The design relates to a mounting plate for repairing a loose concealed hinge. The hinge repair plate is rectangular with rounded corners in outline and comprises a substantially planar body having a raised central portion. Furthermore, a U-shaped cutout is provided midway along a length of the plate and extends laterally inward from a right side thereof across the raised central portion. In order to facilitate mounting of the plate, circular mounting holes are provided along a periphery of the plate. On a bottom side of the hinge repair plate, a pair of circular spacers, provided on a bottom face of the raised central portion, flank the U-shaped cutout.



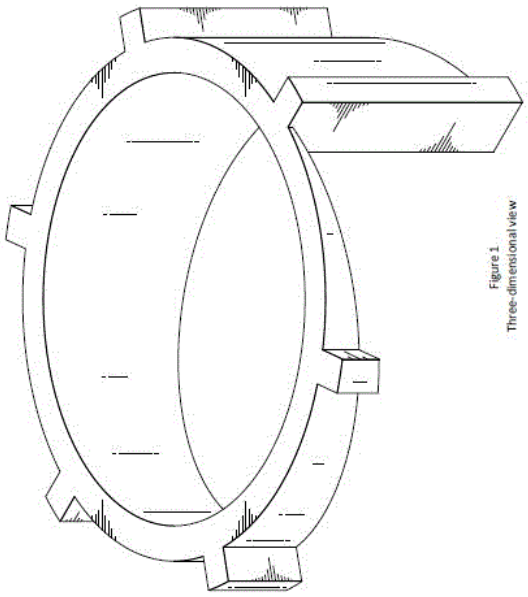
21: F2024/00116 22: 2024-01-30 23:
43: 2024-09-04
52: Class 06 24: Part F
71: PALE, Gift
54: A BED
57: The novelty of the design resides in the shape and configuration of A BED, adjustable between first and second configurations, the second configuration being substantially as shown in the accompanying representation



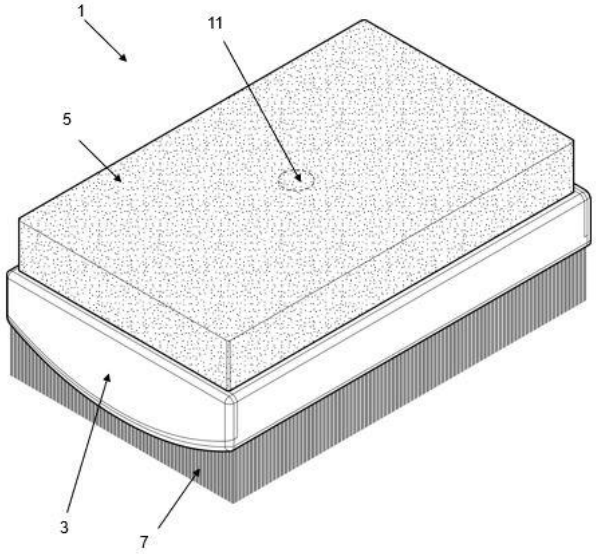
21: F2024/00119 22: 2024-01-31 23:
43: 2024-08-14
52: Class 10 24: Part F
71: CILLIERS, Andries, Carel
54: VEHICLE PEDAL LOCK
57: The design is applied to a vehicle pedal lock. The features of the design for which protection is claimed include the shape, pattern and/or configuration of a vehicle pedal lock, as shown in the drawings, showing the overall appearance thereof.



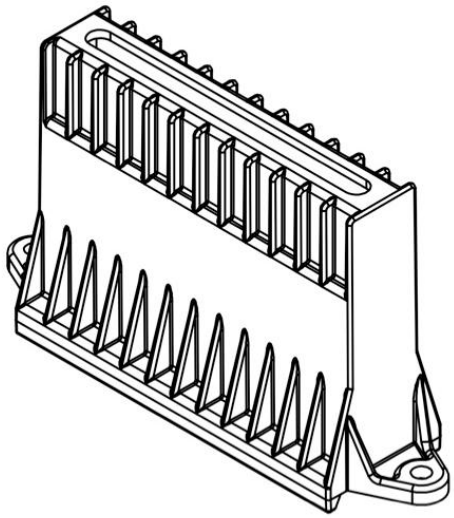
21: F2024/00121 22: 2024-01-31 23:
43: 2023-11-09
52: Class 10 24: Part F
71: Omni United (S) PTE Ltd.
33: US 31: 29/906,761 32: 2023-11-09
54: TYRE TREAD DEPTH INDICATORS
57: The design is a graduated depth circular tyre tread depth indicator disposed within a tyre tread on a tyre surface. Six graduated height indicator block segments are positioned equidistant around the circumference of the ring-shaped design. As the tyre tread wears down, the visible portion of the ring-shaped design decreases in a clockwise manner around the ring.



21: F2024/00122 22: 2024-01-31 23:
43: 2024-08-13
52: Class 04 24: Part F
71: MEDNOM INVESTMENTS CC
54: CLEANING BRUSH
57: The design is applied to a cleaning brush. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the cleaning brush, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



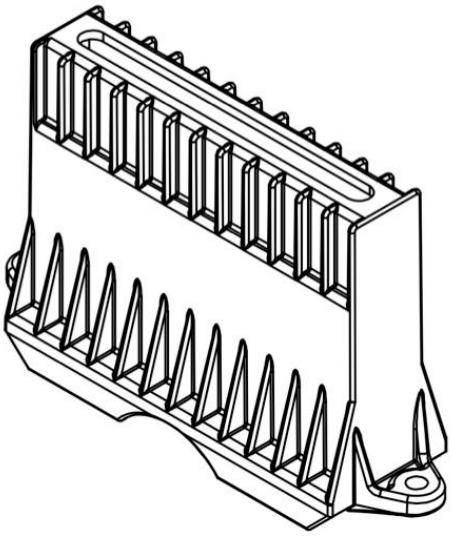
21: F2024/00124 22: 2024-02-01 23:
43: 2024-09-04
52: Class 13 24: Part F
71: FARRELL, Gerhardus van Coppenhagen
54: SOLAR PANEL BRACKETS
57: The design is for a solar panel bracket, in particular for a solar panel bracket which is mountable to IBR roof sheeting. The solar panel bracket includes a generally rectangular shaped elongated, hollow body. The elongated body includes mounting lugs extending outwardly for fastening the solar panel bracket onto a roof surface. The elongated body includes reinforcing ribs along its opposing sides, extending away from the elongated body. A slot runs longitudinally along the top face of the elongated body. In use, a solar panel is clamped between the solar panel bracket and a secondary bracket.



Three-dimensional view of a solar panel bracket

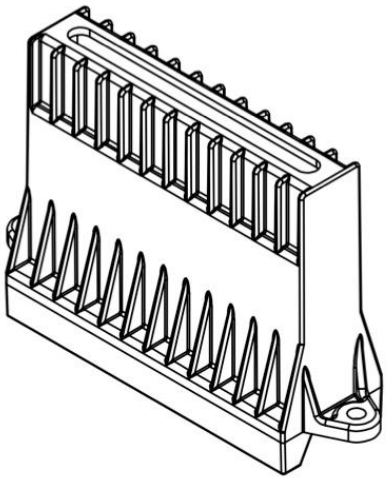
21: F2024/00125 22: 2024-02-01 23:
43: 2024-09-04
52: Class 13 24: Part F
71: FARRELL, Gerhardus van Coppenhagen
54: SOLAR PANEL BRACKETS
57: The design is for a solar panel bracket, in particular for a solar panel bracket which is mountable to corrugated roof sheeting. The solar panel bracket includes a generally rectangular shaped elongated, hollow body. The elongated body includes mounting lugs extending outwardly for fastening the solar panel bracket onto a roof surface. The elongated body includes reinforcing ribs along its opposing sides, extending away from the elongated body. A slot runs longitudinally along the top face of the elongated body. In use, a solar panel

is clamped between the solar panel bracket and a secondary bracket.



Three-dimensional view of a solar panel bracket

21: F2024/00126 22: 2024-02-01 23:
43: 2024-09-04
52: Class 13 24: Part F
71: FARRELL, Gerhardus van Coppenhagen
54: SOLAR PANEL BRACKETS
57: The design is for a solar panel bracket, in particular for a solar panel bracket which is mountable to cliplock roof sheeting. The solar panel bracket includes a generally rectangular shaped elongated, hollow body. The elongated body includes mounting lugs extending outwardly for fastening the solar panel bracket onto a roof surface. The elongated body includes reinforcing ribs along its opposing sides, extending away from the elongated body. A slot runs longitudinally along the top face of the elongated body. In use, a solar panel is clamped between the solar panel bracket and a secondary bracket.

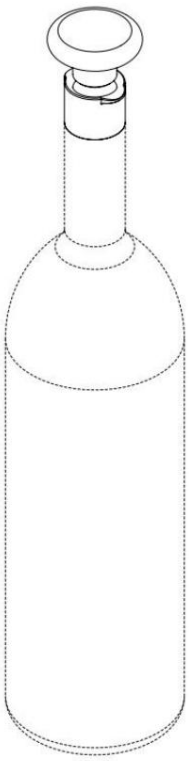


Three-dimensional view of a solar panel bracket

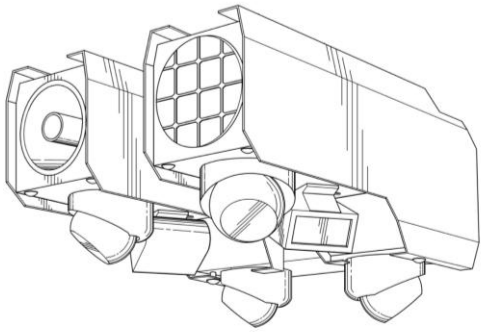
21: F2024/00135 22: 2024-02-01 23:
43: 2024-09-05
52: Class 09 24: Part F
71: VIA - VEDANTES INOVADORES, LDA.
54: BOTTLE CAP AND BOTTLE NECK
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE CAP AND BOTTLE NECK substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2024/00137 22: 2024-02-01 23:
43: 2024-09-05
52: Class 09 24: Part F
71: VIA - VEDANTES INOVADORES, LDA.
54: BOTTLE CAP WITH STOPPER AND BOTTLE NECK
57: The features of the design for which protection is claimed include the shape and/or configuration and/or ornamentation of the BOTTLE CAP WITH STOPPER AND BOTTLE NECK substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

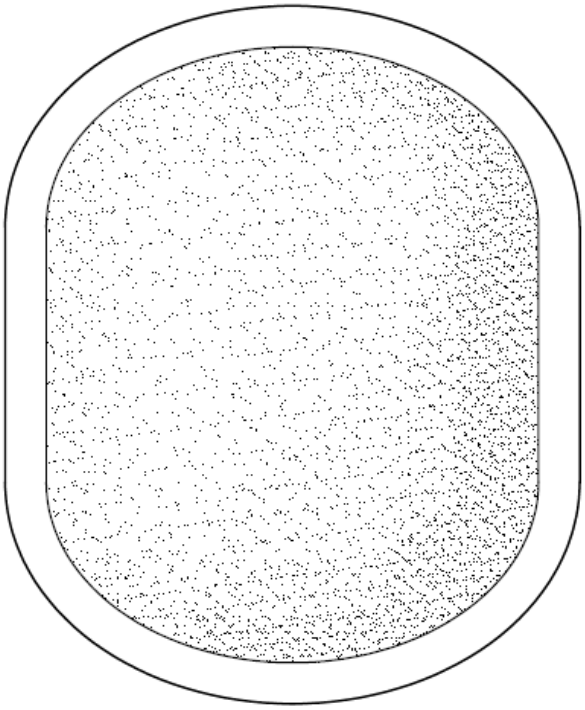


21: F2024/00181 22: 2024-02-13 23:
43: 2024-09-04
52: Class 10 24: Part F
71: Spectur Limited
33: AU 31: 202316424 32: 2023-09-26
54: POLE-MOUNTABLE SECURITY SYSTEMS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a pole-mountable security system, substantially as shown in the representations. It is to be appreciated that the security system is mountable to a pole or similar upright beam which may vary in shape and/or dimension. Stippling and shading lines in the representations represent the three-dimensional contours of the design and are not intended to indicate surface decoration. The features shown in dotted lines are for illustrative purposes only and are disclaimed.

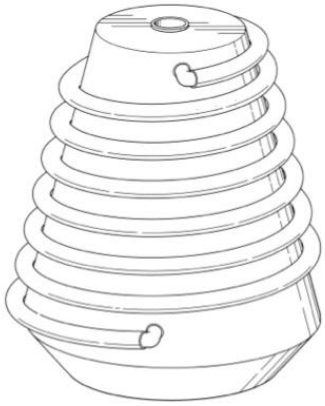


`A three-dimensional front view of a pole-mountable security system

21: F2024/00200 22: 2024-02-19 23:
43: 2024-09-05
52: Class 24 24: Part F
71: BEKKER, Bleida
54: PANTY LINER
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of the PANTY LINER substantially as shown in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.

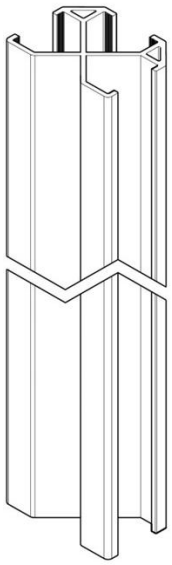


21: F2024/00218 22: 2024-02-22 23:
43: 2024-09-04
52: Class 23 24: Part F
71: BENSON, Gerhardus Jacobus
54: WATER HEATERS
57: This design relates to a water heater, which may use flammable material to generate heat. The water heater includes a generally frusto-conical shaped water receptacle. A central hollow cylinder extends vertically through the receptacle. The hollow cylinder leads to a larger hollow cavity near a base of the receptacle, wherein flammable material may be provided. The hollow cylinder is open at a top portion functioning as an exhaust. A secured circulation tube is connected at a top portion of the water receptacle and spirals around an exterior of the water receptacle and is again connected proximate a base of the water receptacle, such that water is circulated through the water receptacle and circulation tube.

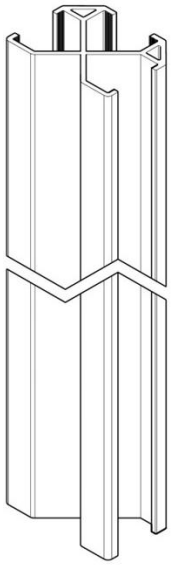


Three-dimensional view of a water heater

21: F2024/00220 22: 2024-02-22 23: 2023-08-23
43: 2024-09-04
52: Class 13 24: Part F
71: SYNERGISTEC (PTY) LTD
54: RAIL
57: The novelty of the design resides in the shape and configuration of a RAIL substantially as illustrated in the accompanying drawing.

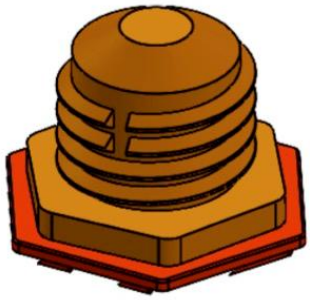


21: F2024/00221 22: 2024-02-23 23: 2023-08-23
43: 2024-09-04
52: Class 25 24: Part F
71: SYNERGISTEC (PTY) LTD
54: RAIL
57: The novelty of the design resides in the shape and configuration of a RAIL substantially as illustrated in the accompanying drawing.



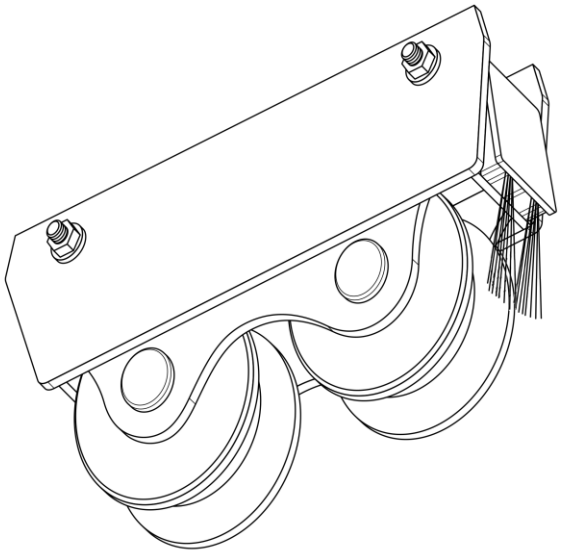
21: F2024/00229 22: 2024-02-26 23:
43: 2024-09-11
52: Class 08 24: Part F
71: HAGER, Jacobus Gerhardus

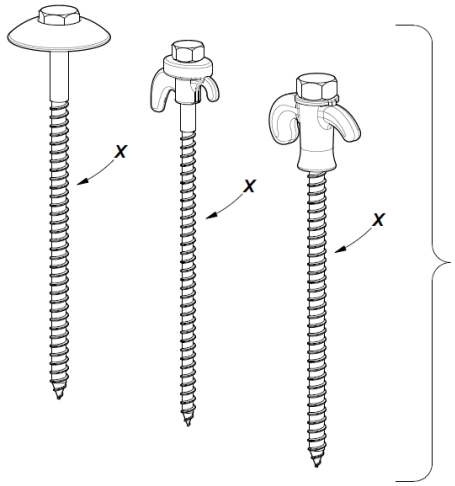
54: BOARD CLIP COMPONENTS
57: The set of board clip components include two components namely, a male board clip component and a female board clip component. The male board clip component includes a circular grooved surface for adhering to items to be mounted, such as a portrait, or the like. The male board clip component further includes a dual-winged protruding member for attaching to the female board clip component. The female board clip component is predominantly tubular with external thread for self-tapping into a surface, such as a wooden wall panel, or the like. The female board clip component further includes an aperture, shaped and dimensioned to receive the dual-winged protruding member of the male board clip component.



Three-dimensional assembled view of a set of board clip components

21: F2024/00246 22: 2024-03-04 23:
43: 2024-10-11
52: Class 25 24: Part F
71: Armando Giuseppe SPAGNOLO, Ezio Domenico SPAGNOLO
54: GATE BOGIE
57: The features of the design for which protection is sought are those features of shape and/or configuration and/or pattern applied to the gate bogie shown in the representations.

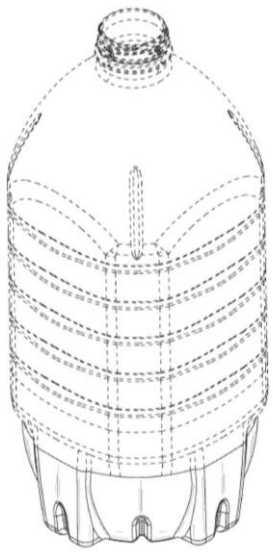




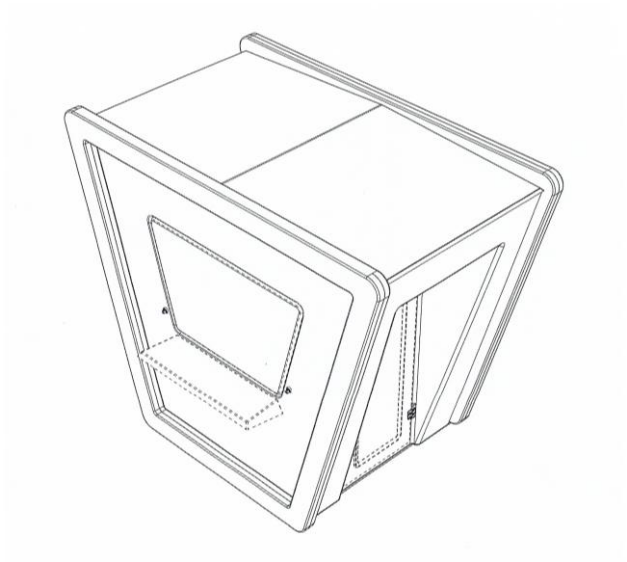
FIRST PERSPECTIVE VIEW OF SET OF ARTICLES

21: F2024/00258 22: 2024-03-11 23: 2024-02-01
43: 2024-10-11
52: Class 21 24: Part F
71: PIENAAR, JOHAN
54: SCREW IN TENT PEGS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a set of articles for screw in tent pegs as shown in the accompanying representations, having reference to X on the drawings, it is to be expressly understood that the specific details set forth regarding the screw thread characteristics, including but not limited to major diameter, minor diameter, pitch diameter, pitch, lead, thread angle, thread form/profile, thread start, and depth, are disclaimed.

21: F2024/00263 22: 2024-03-13 23:
43: 2024-10-11
52: Class 09 24: Part F
71: Plastipak Packaging, Inc.
33: US 31: 29/903,940 32: 2023-09-28
54: CONTAINER BASE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a grinder gear arrangement substantially as shown in the accompanying representation(s). The broken lines shown in the drawings illustrate are included for the purpose of illustrating portions that form no part of the claimed design.



21: F2024/00267 22: 2024-03-18 23:
43: 2024-10-11
52: Class 25 24: Part F
71: JURO TRADING (PTY) LTD
54: KIOSK
57: The feature for which protection is claimed resides in the shape and/or configuration of a container, as shown in the accompanying drawing. The features indicated in broken lines are for illustrative purposes only and do form not form part of the design.



21: F2024/00287 22: 2024-03-19 23:
43: 2024-10-11
52: Class 23 24: Part F
71: PLASTINTERNATIONAL (PTY) LIMITED
54: ABOVE GROUND METER BOX
57: The features of the design for which protection is claimed reside in the shape and/or configuration an above ground meter box (a) comprising a base (b) and a lid (c) substantially as shown in the accompanying representations

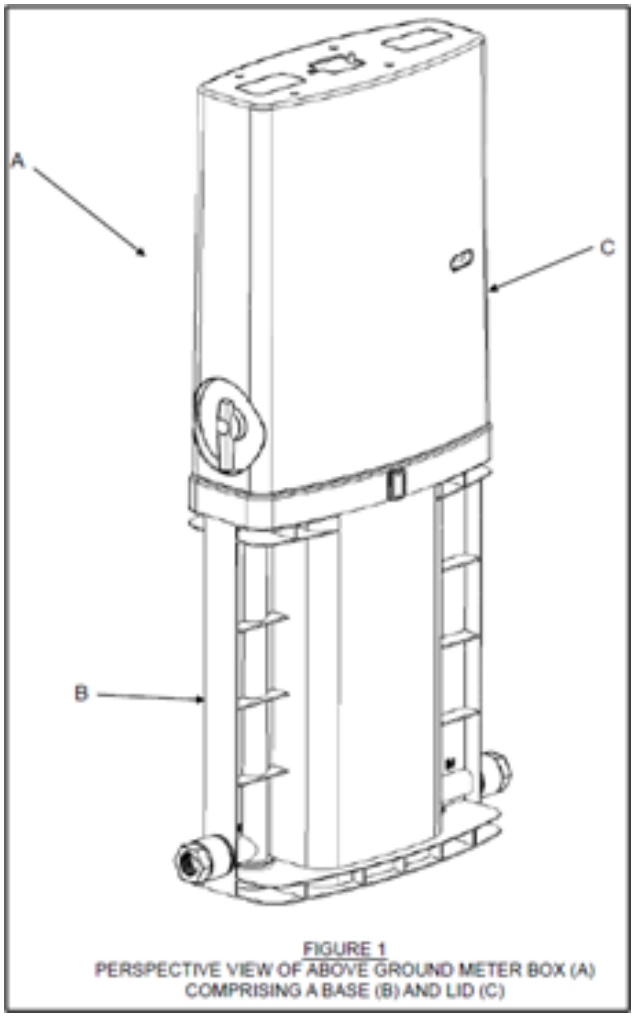
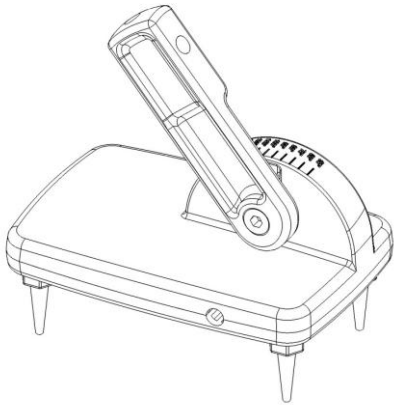


FIGURE 1
PERSPECTIVE VIEW OF ABOVE GROUND METER BOX (A) COMPRISING A BASE (B) AND LID (C)

21: F2024/00296 22: 2024-03-22 23:
43: 2024-10-11
52: Class 21 24: Part F
71: Pragassen NAIDOO
54: GOLF SWING TRAINER
57: The features of the design for which protection is sought are those features of shape and/or configuration and/or pattern applied to the golf swing trainer shown in the representations.



21: F2024/00806 22: 2024-08-15 23:
43: 2024-10-08
52: Class 9 24: Part F
71: SHIGUANG JING
54: EYELASH CASE
57: The design relates to a Eyelash Case. The features of the design are those of shape and/or pattern and/or configuration.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE 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.

21: 2024/00013 22: 2024/10/16 43: 2024/10/16
24: 2024/06/15 to 2024/06/16; 1041 Mothotlung
25: 2024/10/10; Mothotlung
Parade Durban, Kwazulu-Natal, South Africa
71: Motsotsi Johannes Molekwa 1041 Mothotlung, Brits, 0268, South Africa
75: Motsotsi Johannes Molekwa1041 Mothotlung, Brits, ZA, 0268, Phone: 0735098215, Email: sway2sly@gmail.com
76: Motsotsi Johannes Molekwa; Collins Mofamere;
77: Motsotsi Johannes Molekwa
54: **Revealing My Secret Admirer**
78: Thulase Mokone; Thato Molekwa; David Senne
26: N/A
55: Specimen not lodged
56: Preview not requested
57: A reality dating talk show that encourages people to pursue love, desire, or lust at all costs with or without boundaries such as marriage, age, colour, gender and relationships.

58: IN

21: 2024/00014 22: 2024/10/21 43: 2024/10/21
24: 2022/03/02 to 2022/07/31; Robertson
25: 2024/09/20; Worcester
71: Cati Weinek 21 Collingwood Street Kensington, 2094, Johannesburg, 2094, South Africa
75: Carol Shore2 Le Roux Street, Robertson, ZA, 6705, Phone: +27 79 515 6315, Email: info@seashorefilms.co.za
76: Dumi Gumbi; Carol Shore; Cati Weinek
77: Muneera Sallies
54: **Old Righteous Blues**
78: Ayden Croy; Joshwin Dyson; Megan Saaiman
26: The script and film is set in Robertson in the Western Cape and was eventually filmed there too.
55: Specimen not lodged
56: Preview not requested
57: A young man is forced to confront his limitations, face the ghosts of the past and rise above establishment constraints to unite a fractured community and realise his life-long dream of leading his town's Christmas Choir Band (Kerskoor) to its former glory.

58: DR

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 2021/15567 was advertised in the July 2024 journal without an additional association number which is **2021/15568.** The trademark should have appeared as the one below however the publication date will remain the **31/07/2024.**

2021/15567 in Class 36: Financing services; financial consultancy; installment loans; hirepurchase financing; brokerage for hire-purchase; financing relating to automobiles; automobile lease financing; automobile insurance services; lease financing; loans [financing]; appraisal of used automobiles; providing information relating to the appraisal of used automobiles; automobile appraisal; automobile insurance information; motor vehicle insurance brokerage; consultancy and brokerage services relating to vehicle insurance; providing vehicle insurance rate quotes; automobile installment credit financing; automobile installment loans; automobile hire-purchase financing; automobile hire-purchase brokerage. in the name of KIA CORPORATION, 12, Heolleung-ro, Seocho-gu, Seoul, Republic of Korea. Address for service: VON SEIDELS, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA



Associated with: 2020/06756; 2021/15568
FILED: 2021-05-26

The trademark under application number **2020/10719** 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**.

2020/10719 in Class 09: Soundbar speakers; Wireless audio receivers; Audio speakers; Audio electronic components, namely, surround sound speakers; Audio amplifiers; Televisions; Monitors. in the name of SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea. Address for service: VON SEIDELS, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

S-series

Associated with: 2020/11291
Registration of this trade mark shall give no right to the exclusive use of the word "SERIES", separately and apart from the mark. Priority is claimed by virtue of trade mark no: 3436519 filed in GB on 2019-10-15 FILED: 2020-05-18

FILED: 2021-05-26

The trademark under application number **2020/17423** 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**.

2020/17423 in Class 09: 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: 2020/17424
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

The trademark under application number **2020/17423** 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**.

2020/17423 in Class 09: 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: 2020/17424
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

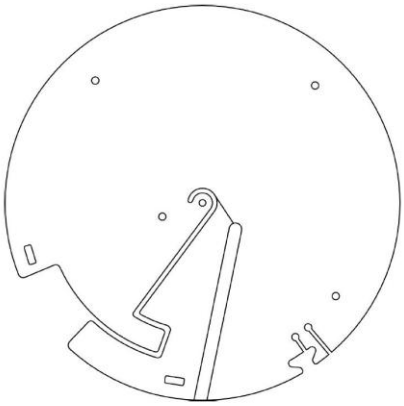
PATENT CORRECTION NOTICES

The Patent under application number **2023/09191** was never advertised in the June 2024 journal as the system was stating, it was only appearing on the advertisement list and the records have been corrected on our systems.

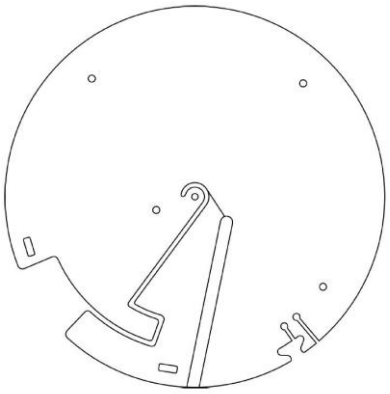
DESIGNS CORRECTION NOTICES

The Designs under application number **A2023/0089 & F2023/00897** were advertised in the September 2024 journal with incorrect classes which appeared as **Class 22** instead of **Class 25**. The publications should have appeared as the following below, however the publication date will remain the **25/09/2024**.

21: A2023/00896 22: 2023-08-10 23:
43: 2024-07-16
52: **Class 25** 24: Part A
71: IMZ COLOMBIA, S.A.S.
54: OPEN PIT MINING HOLE SEALING DEVICE
57: The features of the design for which protection is claimed reside in the shape and/or configuration of an open pit mining hole sealing device as shown as in the accompanying representations, irrespective of any colour, images or text applied to the open pit mining hole sealing device.



21: F2023/00897 22: 2023-08-10 23:
43: 2024-07-16
52: **Class 25** 24: Part F
71: IMZ COLOMBIA, S.A.S.
54: OPEN PIT MINING HOLE SEALING DEVICE
57: The features of the design for which protection is claimed reside in the shape and/or configuration of an open pit mining hole sealing device as shown as in the accompanying representations, irrespective of any colour, images or text applied to the open pit mining hole sealing device.



COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for October 2024

Number of Advertised Patents: 675

Application Number	Patent Title	Filing Date
2012/03150	POLYCRYSTALLINE DIAMOND COMPACTS, AND RELATED METHODS AND APPLICATIONS	2012/05/02
2013/01841	BISMUTH-THIOLS AS ANTISEPTICS FOR AGRICULTURAL, INDUSTRIAL AND OTHER USES	2013/03/11
2016/00523	GROWTH DIFFERENTIATION FACTOR 15 (GDF-15) CONSTRUCTS	2016/01/25
2016/00788	MULTI-UNIT DRUG DELIVERY DEVICES AND METHODS	2016/02/04
2016/05979	4'-DIFLUOROMETHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF INFLUENZA RNA REPLICATION	2016/08/29
2017/00341	SITE DIRECTED MUTAGENESIS OF TREM-1 ANTIBODIES FOR DECREASING VISCOSITY	2017/01/16
2018/00287	TIRE CONDITIONING OPTIMIZATION FOR A COLLECTION OF MINING VEHICLES	2018/01/16
2018/02073	DRUM-TYPE CONVEYING INSTALLATION WITH CABLE-MONITORING DEVICE	2018/03/28
2018/03202	SCOOP SHAPED DIAMOND TABLE ON NON-PLANAR CUTTING ELEMENTS	2018/05/15
2018/03633	POLYCRYSTALLINE DIAMOND SINTERED MATERIAL TOOL EXCELLENT IN INTERFACIAL BONDING STRENGTH AND METHOD OF PRODUCING SAME	2018/05/31
2018/04098	TREATMENT OF HAND ECZEMA	2018/06/19
2018/04159	T-CELL REACTIVITY PLATFORM	2018/06/21
2018/05790	IMPROVED PROCESS FOR THE PREPARATION OF OSIMERTINIB (AZD9291) OR A SALT THEREOF, AND "AZD9291 ANILINE" OR A SALT THEREOF	2018/08/29
2018/07331	METHOD FOR COMPACTING BASES LAID USING WEAK MINERAL SOILS	2018/11/01
2018/07399	EGFR INHIBITOR COMPOUNDS	2018/11/05
2018/07750	CHIMERIC ANTIGEN RECEPTORS AND METHODS OF MAKING	2018/11/16
2019/00170	SABOT WITH BIONIC STRUCTURES	2019/01/10
2019/00199	LIQUID COCONUT-BASED COFFEE CREAMER AND METHOD OF MAKING	2019/01/11

Application Number	Patent Title	Filing Date
	THE SAME	
2019/01269	COMPOSITION COMPRISING SELF-ASSEMBLING PEPTIDES FOR USE IN TREATMENT OF GINGIVITIS, PERIODONTITIS AND/OR PERI-IMPLANTITIS	2019/02/27
2019/02049	PHARMACEUTICAL COMPOSITION	2019/04/02
2019/02051	PHARMACEUTICAL COMPOSITION	2019/04/02
2019/02053	PHARMACEUTICAL COMPOSITION	2019/04/02
2019/02967	A PHARMACEUTICAL COMPOSITION FOR AVERTING OPIOID ADDICTION	2019/05/13
2019/03195	FLEXIBLE COMPOSITE	2019/05/21
2019/03803	THERMAL ENERGY TO ELECTRICAL ENERGY EXTRACTION SYSTEM	2019/06/12
2019/03985	ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES	2019/06/19
2019/04307	POLYPEPTIDE-ANTIGEN CONJUGATES WITH NON-NATURAL AMINO ACIDS	2019/06/28
2019/05206	PISTON ASSEMBLY	2019/08/07
2019/06153	PHARMACEUTICAL COMPOSITIONS FOR COMBINATION THERAPY	2019/09/18
2019/08062	SELECTION AND USE OF UMBILICAL CORD CELL FRACTIONS SUITABLE FOR TRANSPLANTATION	2019/12/04
2019/08086	APPARATUS FOR WEED CONTROL	2019/12/05
2020/01352	GLYCYRRHETINIC ACID DERIVATIVES FOR TREATING HYPERKALEMIA	2020/03/03
2020/01830	ANTIBODY VARIANTS	2020/03/23
2020/01834	DEXTROMETHORPHAN TRANSDERMAL DELIVERY DEVICE	2020/03/23
2020/02263	BI-LAYER PHARMACEUTICAL TABLET FORMULATION	2020/05/04
2020/02269	QUATERNARY AMMONIUM ETIDRONATES	2020/05/04
2020/02358	CIRCUIT BREAKER AND METHOD FOR OPERATING SAME	2020/05/04
2020/02914	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR COMBINING BLOCKCHAIN TECHNOLOGY WITH DIGITAL TWINS	2020/05/19
2020/02987	SYSTEMS AND METHODS FOR BIOLOGICAL SAMPLE LABORATORY SCREENING	2020/05/21
2020/03316	A METAL TRAP FOR USE IN FLUID CATALYTIC CRACKING (FCC)	2020/06/03
2020/03416	VIRAL VECTORS COMPRISING RDH12 CODING REGIONS AND METHODS OF TREATING RETINAL DYSTROPHIES	2020/06/08
2020/03975	A FLOWMETER	2020/06/30
2020/03990	UPDATE APPARATUS AND METHOD FOR ON-DEMAND SYSTEM INFORMATION IN WIRELESS	2020/06/30

Application Number	Patent Title	Filing Date
	COMMUNICATIONS	
2020/04240	SOFT TISSUE IMPLANT POCKET	2020/07/10
2020/04779	METHODS AND COMPOSITIONS FOR INCREASING TOLERANCE TO ABIOTIC STRESS IN PLANTS	2020/07/31
2020/04801	REAGENT CARTRIDGE	2020/08/03
2020/04903	AGRICULTURAL TRENCH DEPTH SYSTEMS, AND APPARATUS	2020/08/07
2020/05244	AGRICULTURAL OPERATION MONITORING APPARATUS, SYSTEMS AND METHODS	2020/08/24
2020/05591	GENETICALLY MODIFIED NON-HUMAN ANIMALS FOR GENERATING THERAPEUTIC ANTIBODIES AGAINST PEPTIDE-MHC COMPLEXES, METHODS OF MAKING AND USES THEREOF	2020/09/09
2020/05603	HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER	2020/09/09
2020/05642	METALLURGICAL FURNACE HAVING AN INTEGRATED OFF-GAS HOOD	2020/09/10
2020/07507	RECIRCULATION SYSTEM AND METHOD	2020/12/02
2020/07566	2,3-DIHYDRO-1H-PYRROLIZINE-7-FORMAMIDE DERIVATIVE AND APPLICATION THEREOF	2020/12/04
2020/07884	METHOD AND APPARATUS FOR PRODUCING HIGH PURITY SPHERICAL METALLIC POWDERS AT HIGH PRODUCTION RATES FROM ONE OR TWO WIRES	2020/12/17
2021/00163	COMPOSITION COMPRISING A POLYESTER-POLYETHER POLYMER, A TRANSITION METAL CATALYST, AND AN ACTIVE MATERIAL	2021/01/11
2021/00315	ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD	2021/01/15
2021/02030	DISC CUTTER FOR UNDERCUTTING APPARATUS AND A METHOD OF MANUFACTURE THEREOF	2021/03/25
2021/02500	INFUSION DEVICE WITH ANTIMICROBIAL PROPERTIES	2021/04/15
2021/02656	PERSONAL CARE COMPOSITION WITH INCREASED VAPOR RELEASE	2021/04/21
2021/02657	SYNTHESIS OF 1,1,2-TRIFLUORO-4-(SUBSTITUTED SUFONYL)-BUT-1-ENE	2021/04/21
2021/02820	SYSTEMS AND METHOD FOR SECURE UPDATES OF CONFIGURATION PARAMETERS PROVISIONED IN USER EQUIPMENT	2021/04/28
2021/02892	AC/DC CONVERTER ARRANGEMENT	2021/04/29
2021/02931	ORAL CARE COMPOSITIONS	2021/04/30

Application Number	Patent Title	Filing Date
2021/02932	METHODS, DEVICES, KITS AND COMPOSITIONS FOR DETECTING TAPEWORM	2021/04/30
2021/03052	ADAPTER ASSEMBLY	2021/05/06
2021/03064	INTER PREDICTION METHOD AND APPARATUS	2021/05/06
2021/03103	A ROLLABLE ANTENNA MAT	2021/05/07
2021/03218	ENCAPSULATION OF CYCLOHEXANEDIONES PROCESS AND PRODUCT	2021/05/12
2021/03291	A METHOD FOR MAKING AN ELASTICISED YARN AND FABRIC MANUFACTURED FROM SAID YARN	2021/05/14
2021/03678	COLONIC DRUG DELIVERY FORMULATION	2021/05/28
2021/04002	CAPSULE FOR FOOD OR BEVERAGE PREPARATION COMPRISING AN OVERSIZED MEMBRANE	2021/06/10
2021/04075	PLANT AND METHOD FOR ACCUMULATION OF ENERGY IN THERMAL FORM	2021/06/14
2021/04112	15-PGDH INHIBITOR	2021/06/15
2021/04594	FORMULATIONS OF 4-(7-HYDROXY-2-ISOPROPYL-4-OXO-4H-QUINAZOLIN-3-YL)-BENZONITRILE	2021/07/01
2021/04946	BATTERY RECYCLING PROCESS	2021/07/14
2021/05960	NOVEL AEROSOL-GENERATING SUBSTRATE	2021/08/19
2021/07824	ARRANGEMENT FOR SECURING A PANEL IN A RAIL BY TIGHTENING OUTER WEDGES FROM AN INNER SIDE OF THE PANEL	2021/10/14
2021/08745	TETRAHYDRO-PYRIDO[3,4-b]INDOLE ESTROGEN RECEPTOR MODULATORS AND USES THEREOF	2021/11/08
2021/09182	NATRIURETIC PEPTIDE RECEPTOR 1 ANTIBODIES AND METHODS OF USE	2021/11/17
2021/10257	REFERENCE PICTURE MANAGEMENT IN VIDEO CODING	2021/12/10
2021/10485	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF	2021/12/15
2021/10597	NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASES	2021/12/17
2022/01453	A CONNECTION DEVICE AND SYSTEM FOR SUSPENDING A MONORAIL BEAM FROM A ROOF BOLT	2022/02/01
2022/01938	SUSPENSION ASSEMBLY	2022/02/15
2022/03038	STEAM BOILER LIQUID SEPARATOR AND METHOD FOR THE PRODUCTION THEREOF	2022/03/14

Application Number	Patent Title	Filing Date
2022/03360	PEPTIDE AMIDE COMPOSITION AND PREPARATION METHOD THEREFOR	2022/03/22
2022/03512	OPTICAL COATING FOR SPECTRAL CONVERSION	2022/03/25
2022/03514	METHOD AND APPARATUS FOR INCREASED SOLAR ENERGY CONVERSION	2022/03/25
2022/03723	COFFEE GRINDER WITH DEVICE FOR FILTER HOLDER OR FILTER DETECTION AND METHOD FOR DETECTING A FILTER HOLDER OR FILTER	2022/03/31
2022/03725	DRY POWDER INHALER WITH AN ADHERENCE/COMPLIANCE MONITOR	2022/03/31
2022/03875	THERMALLY EXPANDABLE PREPARATION	2022/04/05
2022/04211	ALLOY FOR HIGH-STRESS GOUGING ABRASION	2022/04/13
2022/04261	NOVEL CLOTHIANIDIN COMPOSITIONS AND METHODS OF USE THEREOF	2022/04/14
2022/04356	GAS-FED FERMENTATION REACTORS, SYSTEMS AND PROCESSES UTILIZING GAS/LIQUID SEPARATION VESSELS	2022/04/19
2022/04433	HIGH-ENTROPY ALLOY ALCOCRFENI/27SIMN STEEL COMPOSITE LAYER PREPARED BY LASER CLADDING WELDING AND PREPARATION METHOD THEREOF	2022/04/20
2022/04756	COMPOSITIONS AND METHODS FOR RNA-ENCODED DNA-REPLACEMENT OF ALLELES	2022/04/28
2022/04823	HAIR CARE COMPOSITION	2022/04/29
2022/04929	RIMEGEPANT FOR CGRP RELATED DISORDERS	2022/05/05
2022/04941	CD73 INHIBITORS	2022/05/05
2022/04942	PREDICTIVE CONTROL SYSTEM AND METHOD FOR BROWN WASHING TREATMENT IN PULP MILLS	2022/05/05
2022/05093	BIOCHEMICAL REACTION METHODS AND REAGENTS COMPRISING INTRINSICALLY DISORDERED REGIONS	2022/05/09
2022/05152	FIT FOR PURPOSE MEASUREMENT SYSTEM FOR DRILL HOLE LOGGING	2022/05/10
2022/05277	SWIMMING POOL CLEANER WATER SURFACE DIVERTER	2022/05/12
2022/05278	TRACKED SUCTION POOL CLEANER	2022/05/12
2022/05658	DRUG FOR TREATING CANCER, COMBINATION DRUG, DRUG COMPOSITION, IMMUNE RESPONSIVE CELL, NUCLEIC ACID DELIVERY VEHICLE, AND PRODUCT	2022/05/23
2022/05739	PROCESS FOR PRODUCING	2022/05/24

Application Number	Patent Title	Filing Date
	SYNTHETIC HYDROCARBONS FROM BIOMASS	
2022/05859	GLASS SHEET COATED WITH A STACK OF THIN LAYERS AND AN ENAMEL LAYER	2022/05/26
2022/05914	METHODS FOR TREATING BEHAVIORAL AND PSYCHOLOGICAL SYMPTOMS IN PATIENTS WITH DEMENTIA	2022/05/27
2022/06157	POLYELECTROLYTE-LAYER FORMING BLOCK COPOLYMERS AND COMPOSITIONS AND USES THEREOF	2022/06/02
2022/06171	PREPARATION METHOD FOR GLUFOSINATE AMMONIUM	2022/06/02
2022/06311	DETECTING PLATELETS IN A BLOOD SAMPLE	2022/06/07
2022/06317	ROLLER MILL WITH A SYNCHRONIZING DEVICE	2022/06/07
2022/06485	USE OF BI853520 IN CANCER TREATMENT	2022/06/10
2022/06520	BROADBAND SATELLITE COMMUNICATION SYSTEM USING OPTICAL FEEDER LINKS	2022/06/13
2022/06806	BENZOOXAZOLE DERIVATIVES AS IMMUNOMODULATORS	2022/06/20
2022/06807	GENOTYPE STRATIFICATION IN DIABETES TREATMENT AND PREVENTION	2022/06/20
2022/06822	SEPARATION OF POLYCOTTON BLENDS	2022/06/20
2022/06827	MULTI-LAYERED ALUMINUM BRAZING SHEET MATERIAL	2022/06/20
2022/06876	PROCESS FOR PREPARING ALKYLENE GLYCOL MIXTURE FROM A CARBOHYDRATE SOURCE WITH INCREASED SELECTIVITY FOR GLYCEROL	2022/06/21
2022/06896	DEVICE FOR SINKING A VERTICAL BOREHOLE	2022/06/21
2022/06900	PROCESSES FOR EFFICIENT AND SUSTAINED PRODUCTION OF C2 TO C4 OLEFINS	2022/06/21
2022/06923	NEW METHYLQUINAZOLINONE DERIVATIVES	2022/06/22
2022/06940	PICTURE HEADER PRESENCE	2022/06/22
2022/06945	PARACHUTE COMPOUND PULLEY RIPCORD PULL FORCE REDUCER AND METHODS FOR UTILIZING SAME	2022/06/22
2022/07063	BEVERAGE PREPARATION MACHINE	2022/06/24
2022/07271	ODOR REDUCTION AND BACTERIAL CONTROL ON A TEXTILE MATERIAL	2022/06/30
2022/07600	COMPLEX FORMULATION COMPRISING	2022/07/08

Application Number	Patent Title	Filing Date
	SITAGLIPTIN AND DAPAGLIFLOZIN, AND PREPARATION METHOD THEREFOR	
2022/07676	COMPOSITIONS AND METHODS FOR THE DEGRADATION OF WASTE POLYPROPYLENE	2022/07/11
2022/07706	LIPOPHILLICALLY DISPERSED PHENOLIC POLYMER PARTICLES	2022/07/12
2022/07813	INTELLIGENT SYSTEM FOR CONTROLLING FUNCTIONS IN A COMBAT VEHICLE TURRET	2022/07/13
2022/08157	FILTER WITH ELECTRICALLY-CONDUCTIVE WRAP	2022/07/21
2022/08175	METHOD TO SELECT THE SMOKE TREATING UNIT OF A ROASTING APPARATUS	2022/07/21
2022/08307	A STABILISING ASSEMBLY	2022/07/26
2022/08423	METHOD FOR ELECTROMAGNETIC PRE-TREATMENT OF ORE AND DEVICE FOR IMPLEMENTING SAME	2022/07/27
2022/08457	A CARTRIDGE FOR USE IN AN AEROSOL-GENERATING SYSTEM AND AN AEROSOL-GENERATING SYSTEM COMPRISING SAID CARTRIDGE	2022/07/28
2022/08702	ROULETTE WHEEL READING APPARATUS	2022/08/03
2022/08942	METAL (HYDR)OXIDE COMPOSITE COMPRISING POORLY SOLUBLE DRUG, METHOD FOR MANUFACTURING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	2022/08/10
2022/08954	RADAR SYSTEM	2022/08/10
2022/09044	WEAR ASSEMBLY	2022/08/12
2022/09112	METHODS FOR REDUCING HTT EXPRESSION	2022/08/15
2022/09119	ANTI-HUMAN CD19 ANTIBODIES	2022/08/15
2022/09225	VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING ENCODING AND DECODING METHODS	2022/08/17
2022/09352	OCULAR IMPLANT CONTAINING A TYROSINE KINASE INHIBITOR	2022/08/19
2022/09414	INSECT PRODUCTS AND METHODS OF MANUFACTURE AND USE THEREOF	2022/08/23
2022/09515	METHOD FOR VERIFYING THE IDENTITY OF A USER BY IDENTIFYING AN OBJECT WITHIN AN IMAGE THAT HAS A BIOMETRIC CHARACTERISTIC OF THE USER AND SEPARATING A PORTION OF THE IMAGE COMPRISING THE BIOMETRIC CHARACTERISTIC FROM OTHER PORTIONS OF THE IMAGE	2022/08/25

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2022/09598	UNDERWATER CRAFT LESS LIKELY TO BE DETECTED ACROSS GREAT DISTANCES	2022/08/29
2022/10346	IMAGE PREDICTION METHOD AND DEVICE	2022/09/19
2022/10347	MEDICATION DELIVERY SYSTEMS AND METHODS	2022/09/19
2022/10534	CATHODE ASSEMBLY FOR A HALL-HEROULT CELL FOR ALUMINIUM PRODUCTION AND METHOD FOR MAKING SAME	2022/09/22
2022/10582	SYSTEM ARCHITECTURE FOR ACCESSING SECURE DATA FROM A MOBILE DEVICE IN COMMUNICATION WITH A REMOTE SERVER	2022/09/23
2022/10639	AUTOMATED ACTIONS IN A SECURITY PLATFORM	2022/09/26
2022/10822	PREPARATION OF SOLID DOSAGE FORMS COMPRISING ANTIBODIES BY SOLUTION/SUSPENSION LAYERING	2022/09/30
2022/11502	SOLID PHARMACEUTICAL PREPARATION, PREPARATION METHOD THEREFOR AND USE THEREOF	2022/10/20
2022/11506	METHOD OF EVALUATING THE QUALITY OF A COLOR REFERENCE CARD	2022/10/20
2022/11543	METHOD AND APPARATUS FOR DETECTING DEFECTS OR DETERIORATION IN THE SIDEWALLS OF CAN BODIES	2022/10/21
2022/11577	MULTIVALENT AND MULTISPECIFIC 41BB-BINDING FUSION PROTEINS	2022/10/24
2022/11682	DIAGNOSIS OF RESPIRATORY DISEASES USING ANALYSIS OF EXHALED BREATH AND AEROSOLS	2022/10/26
2022/11773	APPARATUS FOR CONTROLLING FLUID FLOW	2022/10/28
2022/11982	A RECEPTACLE FOR WASHING	2022/11/03
2022/12500	METHOD OF USING A GIP/GLP1 CO-AGONIST FOR DIABETES	2022/11/16
2022/12639	SYSTEM FOR CALIBRATION OF ROASTING APPARATUSES	2022/11/21
2022/12876	4-OXO-3,4-DIHYDROQUINAZOLINON COMPOUNDS FOR THE TREATMENT OF BRAF-ASSOCIATED DISEASES AND DISORDERS	2022/11/25
2022/12901	CUTTING TOOL MOUNTING ASSEMBLY WITH SPLIT, MODULAR AND WIRELESS WEAR DETECTION SYSTEM	2022/11/28
2022/12924	NUT AND NON-DAIRY COMPONENTS HAVING REDUCED TRACE ELEMENT	2022/11/28

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	CONTENT, COMPOSITIONS COMPRISING THEM AND PROCESSES FOR THEIR PRODUCTION	
2022/12948	RELEASEABLE CATHETER HUB RETAINER	2022/11/29
2022/12951	ENCODING AND DECODING METHOD, DEVICE AND APPARATUS	2022/11/29
2022/12962	FROST PROTECTION SYSTEM	2022/11/29
2022/13101	IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS	2022/12/02
2022/13149	AERO-ACOUSTIC MATERIALS PROCESSING APPARATUS AND METHOD	2022/12/05
2022/13587	PESTICIDE COMPOSITION WITH PH INDICATOR, PREPARATION PROCESS AND USE THEREOF	2022/12/15
2022/13596	DISCONNECTABLE MOORING SYSTEM	2022/12/15
2022/13610	FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS	2022/12/15
2022/13661	VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A	2022/12/19
2022/13662	RADIAL LOCK MECHANISM	2022/12/19
2022/13689	PROCESS OF PREPARING BUTYL-(5S)-5-({2-[4-(BUTOXYCARBONYL)PHENYL]ETHYL}[2-(2-{[3-CHLORO-4'-(TRIFLUOROMETHYL)[BIPHENYL]-4-YL]METHOXY}PHENYL)ETHYL]AMINO)-5,6,7,8-TETRAHYDROQUINOLINE-2-CARBOXYLATE	2022/12/19
2022/13691	FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS	2022/12/19
2022/13692	ANTIMONY TRIOXIDE FREE FLAME RETARDANT POLYMER COMPOSITION	2022/12/19
2022/13700	JOINING ASSEMBLY	2022/12/19
2022/13754	REMOTE LOADING OF SPARINGLY WATER-SOLUBLE DRUGS INTO LIPID VESICLES	2022/12/20
2022/13921	RETENTION RING FOR WIND TURBINES AND CORRESPONDING WIND TURBINE	2022/12/22
2023/00365	ANTI-AGEING ADDITIVES FOR BITUMEN	2023/01/09
2023/01104	AEROSOL-GENERATING DEVICE AND METHOD WITH PUFF DETECTION	2023/01/26
2023/02149	METHOD FOR PROCESSING PYROLYSIS OILS FROM PLASTICS AND/OR SOLID RECOVERED FUELS LOADED WITH IMPURITIES	2023/02/21
2023/02340	COMPOSITIONS AND METHODS FOR	2023/02/23

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	TREATING CELIAC SPRUE DISEASE	
2023/03173	FORMULATIONS AND METHODS FOR REGULATING AND STIMULATING PLANT GROWTH	2023/02/28
2023/03252	MACROPHAGE TARGETING DRUG CONJUGATES	2023/03/01
2023/03311	REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION	2023/03/03
2023/03359	COMPLEMENT FACTOR B INHIBITOR, AND PHARMACEUTICAL COMPOSITION THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF	2023/03/06
2023/03380	INTEGRATED DEVICE FOR OPENING AND CLOSING CANS WITH DEFORMATION-RESISTANT CAN LIDS	2023/03/07
2023/03513	IMPROVED DEVICE FOR LOADING A SHELL IN THE CHAMBER OF A GUN	2023/03/13
2023/03687	PYRROLOPYRIDINE DERIVATIVE AND USE THEREOF	2023/03/17
2023/03739	CAN LID AND METHOD FOR PRODUCING A CAN LID	2023/03/22
2023/03826	ADAPTIVE FEEDBACK CONTROL OF AN OPTRONIC SIGHT	2023/03/24
2023/03939	FLOATING FLOW-GUIDE PLATE FOR ELECTROCHEMICAL CELLS	2023/03/29
2023/03962	A DRAG-REDUCING ASSEMBLY	2023/03/29
2023/04039	SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF FREQUENCY	2023/03/31
2023/04042	SMOKING DEVICE WITH HEATING PROFILE BASED ON PUFF VOLUME	2023/03/31
2023/04180	CRYSTALLINE FORMS OF A KRAS G12C INHIBITOR	2023/04/05
2023/04379	PHARMACEUTICAL COMPOSITION COMPRISING HYDROXYCHLOROQUINE AND USES THEREOF	2023/04/12
2023/04384	ELECTRICALLY CONDUCTIVE FIREBRICK SYSTEM	2023/04/13
2023/04385	TOWING ARRANGEMENT FOR A TOWING VEHICLE, SYSTEM, TRAILER, AND METHOD	2023/04/13
2023/04457	AEROSOL-GENERATING SYSTEM WITH HYBRID SUSCEPTOR	2023/04/17
2023/04484	BOLT LOCKS	2023/04/18
2023/04495	STACKED SUSCEPTOR STRUCTURE	2023/04/18
2023/04517	INTEGRATED JUNCTION SYSTEM FOR TUBULAR FLUID DISTRIBUTION ELEMENTS	2023/04/18
2023/04534	USE OF THERAPEUTIC ENZYME FUSION PROTEIN FOR PREVENTING AND TREATING KIDNEY DISEASE CAUSED OR ACCOMPANIED BY	2023/04/19

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	FABRY'S DISEASE	
2023/04762	METHODS OF CALCULATING PHYSICAL RESOURCE BLOCK UTILIZATION AND RELATED NETWORK NODES	2023/04/25
2023/04769	COMBINATION OF PARA-AMINOHIPPURIC ACID (PAH) AND RADIOLABELED COMPLEXES FOR TREATING CANCER	2023/04/25
2023/04939	WEARABLE INSERTER FOR REPRODUCABLE ALIGNMENT OF BODILY TISSUE FOR PROGRAMME OF EXTERNAL RADIOTHERAPY TREATMENT	2023/05/03
2023/04943	STOWING OF SOLAR POWER DEVICES	2023/05/03
2023/05012	SYSTEM AND METHOD FOR THE ROBOTIC LOADING OF EXPLOSIVES IN UNDERGROUND MINING	2023/05/05
2023/05061	AEROSOL GENERATING ARTICLE WITH FRONT END PLUG	2023/05/08
2023/05062	AEROSOL-GENERATING ARTICLE WITH NON-HOMOGENISED TOBACCO SUBSTRATE	2023/05/08
2023/05063	AEROSOL-GENERATING ARTICLE HAVING A VENTILATED CAVITY AND AN UPSTREAM ELEMENT	2023/05/08
2023/05074	MACHINE FOR TREATING CONTAINERS	2023/05/08
2023/05075	SYSTEM OF INTERNALLY BACKMIXING THE REACTIVE MASS IN A ROTATING CYLINDER REACTOR	2023/05/08
2023/05077	COATED STEEL PRODUCT	2023/05/08
2023/05109	LINER FOR FRESH PRODUCE TRANSPORTATION BINS	2023/05/09
2023/05222	A RAPAMYCIN COMPOSITION	2023/05/11
2023/05304	PRETARGETING IMAGING AGENTS	2023/05/15
2023/05311	CHARACTERISATION OF A BED OF METAL POWDER BY COLORIMETRY	2023/05/11
2023/05322	METHOD FOR TREATING USED PLASTICS BY DISSOLVING THE POLYMERS AND PURIFYING THEM BY WASHING	2023/05/16
2023/05323	METHOD FOR TREATING WASTE PLASTICS BY POLYMER DISSOLUTION AND PURIFICATION BY EXTRACTION	2023/05/16
2023/05363	PEROXYMONOSULFATE TOOTHPOWDER COMPOSITION FOR TENACIOUS STAINS	2023/05/17
2023/05372	PRECIPITATED SILICIC ACIDS, PROCESS FOR THEIR PREPARATION AND USE THEREOF	2023/05/17
2023/05376	VEHICLE ACTIVE SUSPENSION INERTIA REGULATION METHOD BASED ON WHEEL SUPPORTING FORCE, AND	2023/05/17

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	CONTROL SYSTEM	
2023/05419	CURRENCY CONVERSION SYSTEM AND METHOD	2023/05/18
2023/05461	APPLICATION OF TOBACCO TRANSCRIPTION FACTOR NTHB6	2023/05/19
2023/05501	METHOD FOR CAPTURING SILICON AT LOW HOURLY SPACE VELOCITY	2023/05/22
2023/05583	UNIVERSAL INSTRUMENT CLUSTER ASSEMBLY FOR VEHICLES AND A METHOD THEREOF	2023/05/24
2023/05598	A PLASTERBOARD, A STUCCO SLURRY, USE OF A STUCCO SLURRY AND A PARTITION	2023/05/24
2023/05637	ELECTRIC GRILL	2023/05/25
2023/05691	METHOD, INCLUDING A HYDROGENATION STEP, FOR TREATING PLASTIC PYROLYSIS OILS	2023/05/26
2023/05736	A SMART ELECTRICAL SWITCH BOARD	2023/05/29
2023/05879	MEDIA PROCESSING METHODS AND SYSTEMS	2023/06/01
2023/05881	PARKING-BRAKING ASSEMBLY AND METHOD	2023/06/01
2023/05911	PURIFICATION DEVICE	2023/06/02
2023/05945	HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION	2023/06/05
2023/05946	HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION	2023/06/05
2023/05999	NUCLEIC ACIDS ENCODING ANCHOR MODIFIED ANTIBODIES AND USES THEREOF	2023/06/06
2023/06006	ROLLABLE ELECTRONIC DEVICE	2023/06/06
2023/06045	PULSED ELECTRIC FIELD TREATMENT OF BIOLOGICAL CELLS	2023/06/07
2023/06047	CATALYTIC HEAT EXCHANGE REACTOR WITH HELICAL FLOW	2023/06/07
2023/06051	QUICK FREEZE PALLET RACKS WITH VARIABLE LOUVERED DOORS	2023/06/07
2023/06073	PAN RELEASE AGENT	2023/06/08
2023/06095	ELECTRONIC DEVICE INCLUDING COIL ANTENNA	2023/06/08
2023/06103	FLOW SYNTHESIS OF RDX	2023/06/08
2023/06132	CLOPIDOGREL FOR USE IN THE TREATMENT OF FOCAL SEGMENTAL GLOMERULOSCLEROSIS (FSGS)	2023/06/09
2023/06133	A STEREOVISION METHOD AND SYSTEM	2023/06/09
2023/06183	PROCESS FOR MANAGING HYDROGEN SULFIDE IN A REFINERY	2023/06/12
2023/06188	REVERSE SHOULDER PROSTHESIS AND RELATED METHODS	2023/06/12
2023/06208	SEQUENTIAL ACTIVATION	2023/06/13
2023/06213	MOLDED IN MAGNETIC SENSOR AND	2023/06/13

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	SYSTEMS, ASSEMBLIES, COMPONENTS, AND METHODS THEREOF	
2023/06248	USE OF SUGAR CANE EXTRACTS IN THE TREATMENT OR PREVENTION OF MICROBIAL INFECTIONS AND DYSBIOSIS	2023/06/14
2023/06262	CONTAINER FOR RECEIVING RADIOACTIVE WASTE MATERIALS	2023/06/14
2023/06263	APPARATUS AND METHOD FOR INSECT BREEDING	2023/06/14
2023/06269	FILTER PRESS WITH MULTI-FUNCTION ROBOT FOR MAINTENANCE, TRACKING AND WEAR CONTROL OF FILTERING SEPTA	2023/06/14
2023/06293	THREE RESERVOIR ELECTRIC THERMAL ENERGY STORAGE SYSTEM	2023/06/15
2023/06298	DECODING AND ENCODING BASED ON ADAPTIVE INTRA REFRESH MECHANISM	2023/06/15
2023/06351	ROLLER ASSEMBLY FOR GROUND-ENGAGING TRACK SYSTEM	2023/06/19
2023/06390	HYDROFORMYLATION REACTION PROCESSES	2023/06/20
2023/06391	PROCESS FOR THE PREPARATION OF A SUGAR PRODUCT AND A FERMENTATION PRODUCT	2023/06/20
2023/06397	LOCALIZED HEATING SYSTEM FOR LARGE WATER BODIES WITH A PARTIAL CONFINEMENT SYSTEM	2023/06/20
2023/06398	HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION	2023/06/20
2023/06424	ALLERGY TEST DEVICE	2023/06/21
2023/06429	AROG ALDOLASE VARIANT AND METHOD FOR PRODUCING BRACHED CHAIN AMINO ACID BY USING SAME	2023/06/21
2023/06431	ADHESION OF BLOWING AGENT-CONTAINING PARTICLES BASED ON POLYIMIDES OR POLYACRYLATES	2023/06/21
2023/06438	CLOSURE WITH TEAR-OFF SEAL	2023/06/21
2023/06440	DETERGENT COMPOSITION	2023/06/21
2023/06479	AFRICAN SWINE FEVER (ASF) VIRUS VACCINES	2023/06/22
2023/06481	A VERSATILE METHOD TO VALORIZE CELLULOSIC WASTE TEXTILES	2023/06/22
2023/06500	MODIFIED NOROVIRUS VP1 PROTEINS AND VLPS COMPRISING MODIFIED NOROVIRUS VP1 PROTEINS	2018/11/30
2023/06528	POLYPEPTIDE SPECIFIC FOR MUCIN 1 AND USE THEREOF	2023/06/23
2023/06530	METHOD FOR OBTAINING NITROCELLULOSE-BASED	2023/06/23

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	STRUCTURES BY MEANS OF ADDITIVE MANUFACTURING	
2023/06532	POST-TENSIONED CONCRETE WITH FIBERS FOR LONG STRIPS	2023/06/23
2023/06535	DETERGENT COMPOSITION	2023/06/23
2023/06562	PROCESS AND PLANT FOR PRODUCING E-FUELS	2023/06/26
2023/06564	PROFESSIONAL MACHINE DISHWASH DETERGENT LIQUID	2023/06/26
2023/06599	SYSTEM FOR CHECKING THE AUTHENTICITY OF PRODUCTS	2023/06/27
2023/06603	APPARATUS AND METHOD FOR RECORDING NUMBER OF TIMES, DURATION AND CAUSE OF TRAINING INTERRUPTION OF ANALOG MACHINE	2023/06/27
2023/06654	PROCTOSCOPE	2023/06/28
2023/06679	FORMULATIONS FOR HEALING OF TRAUMATIC LESIONS OF THE SKIN AND MUCOUS MEMBRANES	2023/06/29
2023/06680	METHOD AND APPARATUS FOR MANAGING WIRELESS CONNECTION OF ELECTRONIC DEVICE	2023/06/29
2023/06681	A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL DISC HERNIATION	2023/06/29
2023/06683	POLYMER FILMS AND THEIR PRODUCTION AND USE	2023/06/29
2023/06684	SCHIFF BASE FUNCTIONALISED METAL NANOPARTICLE CATALYSTS AND THEIR USE IN OLEFIN POLYMERIZATION	2023/06/29
2023/06685	DECORTICATOR AND DECORTICATING PROCESS	2023/06/29
2023/06717	PROCESS FOR THE PREPARATION OF DICIDAL	2023/06/30
2023/06718	PROCESS FOR PREPARING THE DIALDEHYDE OF VINYLCYCLOHEXENE	2023/06/30
2023/06743	METHOD FOR CHANGING RECEPTION PATH AND ELECTRONIC DEVICE THEREFOR	2023/06/30
2023/06764	ANTIBODY TARGETING CD47 AND APPLICATION THEREOF	2023/06/30
2023/06878	SCREW CONVEYOR	2023/07/06
2023/06906	METHOD FOR PRODUCING AC-225 SOLUTION AND METHOD FOR PRODUCING MEDICINE USING AC-225 SOLUTION	2023/07/07
2023/06955	HIGH-STRENGTH HOT-ROLLED FLAT STEEL PRODUCT HAVING HIGH LOCAL COLD FORMABILITY AND A METHOD OF PRODUCING SUCH A FLAT STEEL	2023/07/10

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	PRODUCT	
2023/06956	LONG ACTING INJECTABLE COMPOSITIONS OF CARIPRAZINE OR ITS PHARMACEUTICALLY ACCEPTABLE SALTS	2023/07/10
2023/06958	ALGORIPHAGUS SP, BOSEA SP, BREVUNDIMONAS SP, DESULFOVIBRIO SP, MICROBACTERIUM SP, SPHINGOMONAS SP, AND VARIOVORAX SP FOR USE IN DISEASE PREVENTION AND TREATMENT	2023/07/10
2023/06969	DECORATIVE COATING SYSTEM AND METHOD FOR DECORATIVE PRODUCTS	2023/07/10
2023/06985	CERAMIC INJECTION PROCESS FOR MANUFACTURING SPRAY NOZZLES USING THE WATER STOP TECHNIQUE	2023/07/11
2023/06994	GLXR PROTEIN VARIANT OR THREONINE PRODUCTION METHOD USING SAME	2023/07/11
2023/06998	COMPOSITION	2023/07/11
2023/06999	COMPOSITION	2023/07/11
2023/07011	POWER CONVERTER SYSTEMS FOR ELECTROLYSIS STACKS	2023/07/11
2023/07027	CUTTING TOOL FOR GANG SAW	2023/07/12
2023/07068	PASSIVE SAFETY SYSTEM FOR REACTOR	2023/07/13
2023/07128	ANTI-CD38 ANTIBODIES FOR TREATMENT OF ACUTE MYELOID LEUKEMIA	2023/07/17
2023/07212	INTERLEUKIN-18 VARIANTS AND METHODS OF USE	2023/07/19
2023/07219	NOVEL CONJUGATE OF IMMUNE-STIMULATING IL-2 ANALOG AND PREPARATION METHOD THEREOF	2023/07/19
2023/07227	MATURATION OF IMMUNE AND METABOLIC PROCESSES VIA ALGAL BIOMASS AND/OR RELATED MATERIAL ADMINISTERED TO ANIMALS	2023/07/19
2023/07265	DEVICE FOR REMOVING FOREIGN MATTER FROM A LIQUID	2023/07/20
2023/07283	PARAHYDROGEN AND ATOMIC HYDROGEN FUEL	2023/07/21
2023/07308	POINT CLOUD ENCODING AND DECODING METHOD, ENCODER, DECODER AND COMPUTER STORAGE MEDIUM	2023/07/21
2023/07389	GRAVITY-ASSISTED MICROFLUIDIC MANIFOLD	2023/07/25
2023/07445	MICROORGANISM OF THE GENUS CORYNEBACTERIUM FOR PRODUCING	2023/07/26

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	L-AMINO ACID AND METHOD FOR PRODUCING L-AMINO ACID USING THE SAME	
2023/07532	A MONITORING SYSTEM FOR MONITORING PARAMETERS REPRESENTATIVE OF OPERATING CONDITIONS OF AN OIL FILM BEARING	2023/07/28
2023/07801	FILTER ELEMENT FOR AN AIR-FILTER DEVICE OF A MOTOR VEHICLE, AND AIR-FILTER DEVICE	2023/08/08
2023/07953	DIAMINOTRIAZINE COMPOUNDS	2023/08/16
2023/07956	DIAMINOTRIAZINE COMPOUNDS	2023/08/16
2023/08073	PROCESS FOR PRODUCING A NOBLE METAL-MODIFIED GRAPHITIZED CARBON MATERIAL AND SUPPORTED CATALYST	2023/08/21
2023/08438	A GAS DETECTION SYSTEM AND METHOD	2023/08/31
2023/08567	AUDIO DECORRELATOR, PROCESSING SYSTEM AND METHOD FOR DECORRELATING AN AUDIO SIGNAL	2023/09/06
2023/08749	METHOD TO RECYCLE POLYESTER-BASED NONWOVEN TO STAPLE FIBER	2023/09/13
2023/08819	WIRELESS INITIATING ARRANGEMENT	2023/09/18
2023/08917	METHOD FOR PRODUCING A LINING PART FOR A VEHICLE, AND LINING PART PRODUCED USING SAID METHOD	2023/09/20
2023/08918	STORAGE AND RETRIEVAL UNIT FOR A HIGH-BAY WAREHOUSE	2023/09/20
2023/09103	DEVICE AND METHOD FOR HEAT-TREATING A METAL STRIP	2023/09/27
2023/09175	NEW PHOSPHONATED NON-FLUORINATED AND PARTIALLY FLUORINATED ARYL POLYMERS FROM SULFONATED ARYL POLYMERS AND NEW POLYMERIC PERFLUOROPHOSPHONIC ACIDS FROM PERFLUOROSULFONIC ACIDS, THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATIONS	2023/09/29
2023/09178	ELECTROCHEMICAL GAS SENSOR AND ELECTROLYTE FOR AN ELECTROCHEMICAL GAS SENSOR	2023/09/29
2023/09186	NOVEL PHOSPHONATED FLUOROELASTOMERS (PFKMS), PHOSPHONATED PERFLUOROELASTOMERS (PFFKMS), THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATIONS	2023/09/29

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2023/09403	NON-FM TO FM RF SIGNAL CONVERTER	2023/10/09
2023/09501	A DOWNHOLE ASSEMBLY WITH PNEUMATIC ISOLATION	2023/10/11
2023/10351	OPTIMIZED METHOD FOR EXTRACTING RNA OF MILK FAT	2023/11/07
2023/11197	POWER SUPPLY AND DISTRIBUTION NETWORKS	2023/12/05
2023/11321	PROMPT-LEARNING-BASED ZERO-SHOT BRAIN LESION SEGMENTATION METHOD, SYSTEM, DEVICE AND MEDIUM	2023/12/08
2023/11374	IMPROVEMENTS IN OR RELATED TO ORGANIC COMPOUNDS	2023/12/11
2023/11518	ELECTRONIC AIR BRAKE SYSTEM AND METHOD OF PERFORMING A CONSIST SWAP WITHOUT A RISK OF ROLLAWAY	2023/12/14
2024/00009	BIO-CAR	2024/09/25
2024/00080	RAPID SEEDLING GROWING METHOD FOR POLYGONATUM KINGIANUM SEEDS	2024/01/02
2024/00158	SINGLE CHAIN VARIABLE FRAGMENT (SCFV) MODIFIED LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF	2024/01/03
2024/00179	ORCHARD WEEDING AND FERTILIZING MACHINE	2024/01/04
2024/00193	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR DELIVERING A SUBSTANCE TO A SUBJECT	2024/01/04
2024/00229	DIMENSIONALLY STABLE ADHESIVE COMPOSITION CONTAINING ENZYMATICALLY MODIFIED STARCH	2024/01/05
2024/00521	A METHOD FOR MARKING IDENTITY CODES ON A CARTRIDGE	2024/01/15
2024/00567	MICROBIAL AGENT FOR INCREASING CONVERSION RATE OF PIG FEED	2024/01/17
2024/00573	METHOD OF CULTIVATING SWEET CORNS BY EARLY SOWING	2024/01/17
2024/00598	STABLE POLY(ALKYL ALDEHYDE)S	2024/01/17
2024/00652	WALL PANEL	2024/01/18
2024/00656	6-AMINOPYRAZOLOPYRIMIDINE COMPOUND AND PHARMACEUTICAL USE THEREOF	2024/01/18
2024/00697	TRIFUNCTIONAL PROCESSES IN CATALYTIC DISTILLATION	2024/01/19
2024/00752	FLUID CIRCULATION REACTION CONTROL SYSTEM AND METHOD FOR LITHIUM HEXAFLUOROPHOSPHATE PREPARATION	2024/01/22
2024/00753	METHOD FOR PREPARING HIGH-	2024/01/22

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	PURITY PHOSPHORUS PENTAFLUORIDE	
2024/00754	CONTROL SYSTEM AND METHOD FOR ULTRASOUND-INDUCED HEXAFLUOROPHOSPHATE CRYSTALLIZATION	2024/01/22
2024/00783	MEASURING APPARATUS AND METHOD FOR MEASURING THE TEMPERATURE OF A MOLTEN METAL BATH WITH AN OPTICAL DEVICE	2024/01/23
2024/00786	GLP-1 RECEPTOR AGONIST AND COMPOSITION AND USE THEREOF	2024/01/23
2024/00787	PHARMACEUTICAL COMPOSITION AND USE	2024/01/23
2024/00793	A COMBINATION OF FLUBENDIAMIDE AND SEAWEED EXTRACT	2024/01/23
2024/00830	METHOD FOR PREPARING A GEL BLOCK	2024/01/24
2024/00833	FOUR PISTON SCOTCH YOKE ACTUATOR	2024/01/24
2024/00834	PYRAZOLO[3,4-B]PYRIDINE COMPOUNDS FOR THE TREATMENT OF AUTOIMMUNE DISEASE	2024/01/24
2024/00847	PHARMACEUTICAL COMPOSITION CONTAINING APIXABAN AND PROCESS FOR THE PREPARATION THEREOF	2024/01/25
2024/00852	PLUG WITH ANTI-OVERLOAD PROTECTION FUNCTION	2024/01/25
2024/00857	SEMI-OPEN HIGH-POWER DEVICE COOLING SYSTEM AND COOLING METHOD	2024/01/25
2024/00862	AMPHIBIOUS MOBILE CLASSROOM SYSTEM	2024/01/25
2024/00883	STRIP TYPE DEEP-BURYING MACHINE FOR CRUSHING BUNDLED MILLET STRAW	2024/01/26
2024/00887	AN EXTRA-MEDULLARY POSITIONING TOOL AND OSTEOTOMY METHOD FOR DISTAL FEMUR IN TOTAL KNEE ARTHROPLASTY	2024/01/26
2024/00888	ADJUSTABLE MOXIBUSTION INSTRUMENT	2024/01/26
2024/00889	MILLET FILM PRECISION HILL PLANTER FOR ARID AREAS	2024/01/26
2024/00894	MULTIFUNCTION LUOYANG SHOVEL FOR INVESTIGATING SOIL AND SOLID WASTE POLLUTION	2024/01/26
2024/00958	INTEGRATED PROCESS FOR THE SYNTHESIS OF AMMONIA AND NITRIC ACID	2024/01/29
2024/00988	AAK1 INHIBITOR AND USE THEREOF	2024/01/30
2024/00990	METHOD FOR SHREDDING AND	2024/01/30

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	RECYCLING USED BIG-BAGS AND FACILITY FOR IMPLEMENTING THE METHOD	
2024/01019	AUTOMATIC SAMPLING APPARATUS FOR CHEMICAL ENGINEERING DETECTION AND USE METHOD THEREOF	2024/01/31
2024/01021	FOLDABLE ACCOMPANYING BED	2024/01/31
2024/01022	A VITAL SIGN MONITORING AND NURSING DEVICE FOR CRITICALLY ILL PATIENTS	2024/01/31
2024/01079	CONCEALED STRUCTURAL ELEMENT FASTENING SYSTEM	2024/02/01
2024/01108	DEVELOPMENT AND CHARACTERIZATION OF AEROSOL CONTAINING PACLITAXEL LOADED NANOPARTICLES FOR THE TREATMENT OF SECONDARY LUNG CANCER	2024/02/05
2024/01136	MEANS AND METHODS FOR THE TREATMENT OF CALCIUM CRYSTAL DEPOSITION DISEASES	2024/02/05
2024/01141	CARD BINDING METHOD, USER TERMINAL, SERVER, SYSTEM AND STORAGE MEDIUM	2024/02/05
2024/01162	PATIENT TRANSFER DEVICE FOR CLINICAL USE IN CRITICAL CARE MEDICINE	2024/02/06
2024/01163	ASSISTIVE DEVICE FOR PATIENT TURNING OVER IN CLINICAL CARE MEDICINE	2024/02/06
2024/01169	AUTOMATIC PLANTING APPARATUS FOR SALSOLA TREES	2024/02/06
2024/01177	STARTING APPARATUS AND FIRE EXTINGUISHING DEVICE	2024/02/06
2024/01219	PASSIVE RESIDUAL HEAT REMOVAL DEVICE AND HORIZONTAL MICRO-REACTOR SYSTEM	2024/02/07
2024/01221	CHARGE/DISCHARGE CONTROL METHOD, CHARGING DEVICE AND STORAGE MEDIUM	2024/02/07
2024/01231	A PLATFORM FOR THE MANAGEMENT OF CARBON CREDITS AND CARBON CREDIT PROJECTS	2024/02/08
2024/01312	CAMERA POSITION REVIEW FOR VEHICLE DRIVER ASSISTANCE SYSTEMS	2024/02/12
2024/01318	CONNECTOR HAVING SEMICONDUCTOR COOLING DEVICE, AND AUTOMOBILE	2024/02/12
2024/01341	APPARATUS FOR LAYING AN OPTIC CABLE INTO A DUCT	2024/02/13

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2024/01345	POLYPEPTIDE DRUG CONJUGATE HAVING NOVEL STRUCTURE AND APPLICATION THEREOF	2024/02/13
2024/01381	SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION	2024/02/14
2024/01382	SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION	2024/02/14
2024/01383	SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION	2024/02/14
2024/01396	IMAGE PROCESSING DEVICE AND METHOD	2024/02/15
2024/01398	SOLID FORMS OF 2-[(4-{6-[(4-CYANO-2-FLUOROBENZYL)OXY]PYRIDIN-2-YL}PIPERIDIN-1-YL)METHYL]-1-[(2S)-OXETAN-2-YLMETHYL]-1H-BENZIMIDAZOLE-6-CARBOXYLIC ACID, 1,3-DIHYDROXY-2-(HYDROXYMETHYL)PROPAN-2-AMINE SALT	2024/02/15
2024/01410	A METHOD OF MANUFACTURING A COMPOSITE STRUCTURE, A COMPOSITE STRUCTURE THEREOF, A WIND TURBINE WITH THE COMPOSITE STRUCTURE AND A MANUFACTURING SYSTEM THEREOF	2024/02/15
2024/01450	SMART BUCCAL FILM GENERATING APPARATUS	2024/02/19
2024/01451	A SMART ANTIVIRAL, ANTI-TOOTHACHE, STRESS BUSTER- PAIN RELIEF, ANTICOLD ROLL-ON CUM INHALER	2024/02/19
2024/01452	A SMART TRANSFEROSOMAL SYNTHESIS APPARATUS	2024/02/19
2024/01463	DIGITAL PIRACY PREVENTION SYSTEM USING BLOCKCHAIN	2024/02/19
2024/01480	PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE ISOXAZOLINE COMPOUND	2024/02/19
2024/01497	MEDICAL LIQUID COMPOSITION FOR AERIAL ADMINISTRATION	2024/02/20
2024/01498	A COMPUTER-IMPLEMENTED METHOD OF MANAGING FILES ON A MOBILE DEVICE	2024/02/20
2024/01500	METHOD FOR TREATING ENDOMETRIOSIS AND PROVIDING EFFECTIVE CONTRACEPTION	2024/02/20
2024/01530	SYSTEM AND METHOD FOR DETERMINING A WEIGHT STATUS OF A RAILWAY VEHICLE	2024/02/21

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2024/01550	BENZO NITROGEN-CONTAINING HETEROAROMATIC RING DERIVATIVE AND USE THEREOF IN MEDICINE	2024/02/21
2024/01569	ASSEMBLY FOR THE CONTROL OF THE TEMPERATURE IN A DRINKING WATER HEATER	2024/02/22
2024/01571	TRI-SUPPLY SYSTEM FOR SOLAR PHOTOVOLTAIC/THERMAL AND GREEN HYDROGEN BUILDING APPLICATION	2024/02/22
2024/01573	METHODS AND COMPOSITIONS FOR CARBON CAPTURE	2024/02/22
2024/01599	AN AUXILIARY POWER SUPPLY	2024/02/23
2024/01676	SYSTEMS AND METHODS FOR GENERATION OF HYDROGEN BY IN-SITU (SUBSURFACE) SERPENTINIZATION AND CARBONIZATION OF MAFIC OR ULTRAMAFIC ROCK	2024/02/27
2024/01684	NOVEL PARP7 INHIBITOR AND USE THEREOF	2024/02/27
2024/01717	PLUG TERMINAL, PLUG STRUCTURE AND MOTOR VEHICLE	2024/02/28
2024/01718	MICRO-VIBRATION TERMINAL, PLUG-IN STRUCTURE, AND MOTOR VEHICLE	2024/02/28
2024/01800	V-TYPE FILTER FOR DEEP PURIFICATION TREATMENT OF MUNICIPALWASTEWATER	2024/03/01
2024/01803	LECTIN-DRUG CONJUGATES	2024/03/01
2024/01804	NOVEL OMEGA 3 CARRIER PREPARATIONS FOR INHALATION DRUG DELIVERY FOR TREATING LUNG INFLAMMATION	2024/03/01
2024/01805	RECOMBINANT GLYCAN BINDING PROTEINS AND ITS USE	2024/03/01
2024/01818	KNOWLEDGE GRAPH RECOMMENDATION METHOD AND SYSTEM BASED ON IMPROVED KGAT MODEL	2024/03/01
2024/01843	A WIND TURBINE	2024/03/04
2024/01853	AN IMAGE RECOGNITION AND DETECTION SYSTEM	2024/03/05
2024/01889	CHARGING SOCKET, CHARGING SOCKET UPGRADING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM	2024/03/06
2024/01893	ELECTRIC ENERGY TRANSMISSION SYSTEM FOR VEHICLE, AND CHARGING APPARATUS AND ELECTRIC VEHICLE	2024/03/06
2024/01930	A LOW DEVIATION FLAT TRANSPOSITION WIRE FOR ULTRA-HIGH VOLTAGE AUXILIARY REACTOR	2024/03/07

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2024/01958	DATA MANAGEMENT SYSTEM FOR CHILDREN IN PEDIATRIC NURSING	2024/03/08
2024/01959	A PREPARATION METHOD OF A MICRO/NANO PARTICLE STRENGTHENING NEAR ALPHA HIGH TEMPERATURE TITANIUM ALLOY RESISTANT TO 700 DEGREES CELSIUS	2024/03/08
2024/01991	SYSTEMS AND METHODS FOR MODIFYING THE FOLDING TRAJECTORY AND FACILITATING FOLDING OF POLYPEPTIDE CHAINS	2024/03/08
2024/01996	A WATERLOGGING WATER MONITORING SYSTEM FOR URBAN PHYSICAL EXAMINATION PLATFORM	2024/03/11
2024/01997	A HEAT DISSIPATION DEVICE FOR BIG DATA SERVER	2024/03/11
2024/02004	A BIG DATA SERVER WITH DUST-PROOF EFFECT	2024/03/11
2024/02028	AIR-COOLED STEAM CONDENSER WITH IMPROVED SECOND STAGE CONDENSER	2024/03/12
2024/02055	A METHOD AND REMEDIAL AGENT FOR ECOLOGICALLY RESTORING BARRIERS TO THE CULTIVATION OF FACILITY ECONOMIC CROPS	2024/03/13
2024/02058	A MULTIFUNCTIONAL STRETCHER FOR EMERGENCY INTERNAL MEDICINE DEPARTMENT	2024/03/13
2024/02113	PRIMER SET AND KIT FOR IDENTIFYING FEMALE STRENGTH OF CUCUMBERS AND USE THEREOF	2024/03/14
2024/02114	INVENTION RELATES TO ENHANCED BIOLOGICAL RETENTION POND FOR ENHANCED NITROGEN AND PHOSPHORUS REMOVAL	2024/03/14
2024/02115	PREPARATION METHOD AND APPLICATION OF PORCINE CIRCOVIRUS TYPE II NANOVACCINE BASED ON COVALENT ORGANIC FRAMEWORKS	2024/03/14
2024/02116	HEALTHY TEA DRINK FOR LOWERING BLOOD SUGAR AND PREPARATION METHOD THEREOF	2024/03/14
2024/02120	A METHOD FOR PREPARING BIOCHAR BALLS WITH HIGH ADSORPTION PERFORMANCE USING SOLID WASTE AS RAW MATERIAL	2024/03/14
2024/02121	A MULTI-MODE IMAGE FUSION METHOD BASED ON DATA ADAPTIVE GRAPH CONVOLUTIONAL DEEP NETWORK	2024/03/14
2024/02122	A GAIT METHOD AND SYSTEM BASED ON IMAGE RECOGNITION	2024/03/14

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2024/02123	BIOLOGICAL CONTROL DEVICE FOR INSECT PESTS	2024/03/18
2024/02124	MECHANISM FOR BLOWING CHIPS OF NUMERICAL CONTROL MACHINE TOOLS	2024/03/18
2024/02125	ARTIFICIAL INTELLIGENCE-BASED EMPLOYEE EFFICIENCY MONITORING SYSTEM	2024/03/18
2024/02126	SEED VOLUME MEASURER AND MEASURING METHOD	2024/03/18
2024/02127	FINGERPRINT SPECTRUM OF ZUOGUI JIANGTANG JIEYU FORMULATION, ESTABLISHMENT METHOD AND APPLICATION THEREOF	2024/03/18
2024/02128	PREPARATION METHOD OF BRASSICA RAPA L. CRUDE POLYSACCHARIDE AND ITS APPLICATION IN ALLEVIATING INTESTINAL DAMAGE CAUSED BY PLATEAU HYPOXIA	2024/03/18
2024/02129	ADSORPTION AND EXTRACTION DEVICE FOR COMPONENT SEPARATION OF EUCOMMIA ULMOIDES LEAVES EXTRACT	2024/03/18
2024/02130	SOIL REMEDIATION AGENT AND USING METHOD THEREOF	2024/03/18
2024/02131	A GREEN ENVIRONMENTAL PROTECTION WATER ENVIRONMENT TREATMENT EQUIPMENT	2024/03/18
2024/02133	APPLICATION OF EXTERNALLY APPLYING THIAMINE IN IMPROVING DROUGHT RESISTANCE OF GOSSYPIUM HIRSUTUM AT SEEDLING STAGE AND FIELD	2024/03/18
2024/02134	ADAS DRIVING RECORDER FOR FATIGUE DRIVING DETECTION	2024/03/18
2024/02135	TOUGHNESS EVALUATION SYSTEM FOR HIGHWAY TUNNEL	2024/03/18
2024/02136	NOVEL IRRIGATION DEVICE FOR IMPROVING DROUGHT RESISTANCE OF CORN CROPS	2024/03/18
2024/02146	TARGETED DELIVERY OF THERAPEUTIC ENZYMES	2024/03/14
2024/02151	MULTI-DIRECTIONAL AUXILIARY MEMORY TEACHING SYSTEM FOR ENGLISH TEACHING	2024/03/18
2024/02153	LYOPHILISED FORMULATIONS OF MRNA ADSORBED ONTO LIPID NANO-EMULSION PARTICLES.	2024/03/18
2024/02156	METHOD OF OBTAINING A MODIFIED ADENO-ASSOCIATED VIRUS CAPSID	2024/03/18
2024/02160	INDUCIBLE PROMOTER, VECTOR AND HOST CELL BASED THEREON	2024/03/18

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2024/02163	ELECTROCHEMICAL TREATMENT DEVICE	2024/03/18
2024/02166	MONITORING SLUDGE DEWATERING	2024/03/18
2024/02167	SOLID STATE FORMS OF RELUGOLIX	2024/03/18
2024/02209	BALLISTIC RANGE SPACE REFERENCE CALIBRATION SYSTEM BASED ON THREE-POINT COORDINATE MEASUREMENT	2024/03/19
2024/02210	BIG-DATA-BASED RECOMMENDATION SYSTEM FOR CULTURAL AND CREATIVE WORKS	2024/03/19
2024/02211	COMPREHENSIVE PEST PREVENTION AND CONTROL METHOD FOR CHESTNUT	2024/03/19
2024/02212	VEHICLE ACCESSORY PROCESSING DEVICE	2024/03/19
2024/02213	ELECTRO-HYDRAULIC VARIABLE VALVE TIMING ACTUATOR CAPABLE OF ACHIEVING SEATING BUFFERING AND ACTUATION METHOD THEREFOR	2024/03/19
2024/02215	AN ELECTROCHEMICAL BIOSENSOR BASED ON CONDUCTIVE POLYMER COATED GLUCOSE OXIDASE NANOCAPSULES AND A PREPARATION AND APPLICATION THEREOF	2024/03/19
2024/02216	A METHOD AND APPLICATION FOR THE DEVELOPMENT OF SNP MOLECULAR MARKERS RELATED TO GRAPE FRUIT CRACKING TRAITS	2024/03/19
2024/02218	DRAUGHT-PROOF WATERING EQUIPMENT FOR CORN	2024/03/19
2024/02219	MINIMALLY INVASIVE SAMPLING DEVICE CAPABLE OF LOCATING GYNECOLOGICAL TUMOR	2024/03/19
2024/02220	A PATENT EVALUATION SYSTEM BASED ON BIG DATA ANALYSIS	2024/03/19
2024/02226	METHOD AND SYSTEM FOR AUTOMATICALLY DETECTING AND RECONSTRUCTING SPECTRUM PEAKS IN NEAR INFRARED SPECTRUM ANALYSIS OF TEA	2024/03/19
2024/02227	CONSTRUCTION SEWAGE TREATMENT DEVICE	2024/03/19
2024/02228	COPPER-STEEL COMBINED MOLD	2024/03/19
2024/02230	METHOD AND APPARATUS FOR PRODUCTION OF LEAD-212 ISOTOPE	2024/03/19
2024/02237	SYSTEM AND METHOD FOR SHAPING A DUCT SECTION	2024/03/19
2024/02251	GREEN AND ACCURATE APPLICATION METHOD OF BREEDING ORGANIC WASTES IN VEGETABLE GROWING AREAS OF NORTH CHINA	2024/03/20

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2024/02252	GREEN SYNERGISTIC FERTILIZATION METHOD FOR SUMMER CORN IN HUANG-HUAI-HAI REGION	2024/03/20
2024/02253	CROSS-NETWORK INFORMATION INTERACTION METHOD AND SYSTEM BASED ON INTERNET OF THINGS	2024/03/20
2024/02254	SYSTEM FOR AUTONOMOUS HEALTH MANAGEMENT BASED ON WIRELESS TRANSMISSION OF INTELLIGENT CHIP	2024/03/20
2024/02255	ANTIBODY-DRUG CONJUGATE AND PREPARATION METHOD AND APPLICATION THEREOF	2024/03/20
2024/02257	EFFICIENT ROADWAY TUNNELING MACHINERY DEVICE AND METHOD	2024/03/20
2024/02261	METHOD FOR MANAGING HEALTH DATA BY GRAPHENE TRANSISTOR CHIP	2024/03/20
2024/02262	METHOD FOR MANAGING HEALTH DATA THROUGH CHANGXIN MEMORY	2024/03/20
2024/02263	HEALTH MANAGEMENT SYSTEM AND METHOD BASED ON INTEGRATED SENSING AND COMMUNICATION (ISAC), TERMINAL EQUIPMENT AND STORAGE MEDIUM	2024/03/20
2024/02265	FRUITY COMPOUND SEASONING AND PREPARATION METHOD THEREFOR	2024/03/20
2024/02277	REAL-TIME MEASUREMENT METHOD OF LABORATORY SPACE WAVE BASED ON VISUAL EDGE DETECTION	2024/03/20
2024/02305	PRECISE IRRIGATION DEVICE FOR CROPS	2024/03/22
2024/02306	HEALTH MANAGEMENT DATA PUSH METHOD, SYSTEM AND STORAGE MEDIUM	2024/03/22
2024/02307	METHOD FOR MANAGING HEALTH DATA BY USING LINXIISA	2024/03/22
2024/02308	INVENTION RELATES TO NUTRIENT-HEALTHY MEAL REPLACEMENT FOOD AND PREPARATION METHOD THEREOF	2024/03/22
2024/02309	METHOD FOR MANAGING HEALTH DATA THROUGH STAR CHAIN TECHNOLOGY	2024/03/22
2024/02310	METHOD AND APPARATUS FOR CONSTRUCTING FUND PORTFOLIO BASED ON MARKET STATE FORECASTING	2024/03/22
2024/02311	INVENTION RELATES TO RUBBER SLEEPER WITH AUTOMATIC MONITORING FUNCTION	2024/03/22
2024/02312	HEMOSTATIC MATERIAL AND PREPARATION METHOD THEREOF	2024/03/22
2024/02313	LASER FUSING AND STRENGTHENING	2024/03/22

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	DEVICE FOR STEEL SURFACE OF PLASTIC MOLD	
2024/02314	AN INTELLIGENT MOLD CONTROL SYSTEM	2024/03/22
2024/02315	TOOL CASTING MOLD CAPABLE OF RAPID HEAT DISSIPATION	2024/03/22
2024/02316	A DATA TRANSMISSION DEVICE AND A DATA TRANSMISSION SYSTEM FOR STATISTICAL INVESTIGATION RESULTS	2024/03/22
2024/02317	SHIP POWER SYSTEM-ORIENTED FAST MODELING METHOD AND DEVICE BASED ON LUMPED PARAMETER METHOD	2024/03/22
2024/02318	ADAPTIVE COMPUTATION SPEEDUP METHOD BASED ON DISPERSION OF FLOW FIELD	2024/03/22
2024/02319	INJECTABLE HYDROGEL, PREPARATION METHOD AND APPLICATION THEREOF	2024/03/22
2024/02320	CHINESE MEDICINE COMPOSITION OF LONICERA JAPONICA AND HIPPOPHAE RHAMNOIDES FOR TREATING ACNE	2024/03/22
2024/02321	ENERGY-SAVING WATER COOLING DEVICE FOR COMPUTERS	2024/03/22
2024/02324	DEVICE FOR TREATING INNER WALLS OF DITCHES FOR FARMLAND IRRIGATION	2024/03/22
2024/02325	SPLIT-TYPE IRRIGATION CANAL WITH TRASH BLOCKING FUNCTION	2024/03/22
2024/02326	A MECHANICAL SLIDING DEVICE FOR LOGISTICS WAREHOUSING	2024/03/22
2024/02328	LIQUID CIRCULATION ATOMIZATION SYNTHESIS CONTROL SYSTEM AND METHOD FOR LITHIUM HEXAFLUOROPHOSPHATE PREPARATION	2024/03/22
2024/02331	UAV WITH PROJECTION FUNCTION	2024/03/22
2024/02332	METHOD FOR PREPARING SULFIDE SOLID ELECTROLYTE MATERIAL AND APPLICATION THEREOF	2024/03/22
2024/02333	PREPARATION METHOD FOR ARGYRODITE-TYPE SOLID ELECTROLYTE, AND ALL-SOLID-STATE BATTERY APPLICATION THEREOF	2024/03/22
2024/02347	COMPOSITE RCC DECK AND PRESTRESSED PARABOLIC BOTTOM CHORD UNDERSLUNG OPEN WEB STEEL GIRDER BRIDGE SUPERSTRUCTURE	2024/03/22
2024/02352	METHOD FOR MANAGING HEALTH DATA BY ADN NETWORK	2024/03/22
2024/02353	METHOD AND SYSTEM FOR	2024/03/22

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	BALLASTED RAILWAY TRACK REGULARITY TAMPING AND STORAGE MEDIUM	
2024/02354	A MACHINING CUTTING DEVICE	2024/03/25
2024/02355	A DEVICE FOR REMOVING BURRS ON METALWORKING SURFACES	2024/03/25
2024/02356	A FEEDING DEVICE FOR RIVETING MACHINES	2024/03/25
2024/02357	A NATURAL COMPOSITION OF DUAL INHIBITORS FOR EFFICIENT DIABETES MANAGEMENT	2024/03/25
2024/02358	METHOD FOR PREPARING HIGH-PURITY HOUSEFLY ANTIMICROBIAL PEPTIDE SARCOTOXIN-1B	2024/03/25
2024/02359	PREPARATION METHOD FOR CARBON QUANTUM DOTS	2024/03/25
2024/02360	A METHOD AND SYSTEM FOR FORMULATING A MULTI-EPITOPE PEPTIDE VACCINE AGAINST MONKEYPOX VIRUS	2024/03/25
2024/02361	A CLOUD COMPUTING SYSTEM FOR EXTENDED BATTERY LIFE AND ENHANCED PERFORMANCE	2024/03/25
2024/02362	A WATER MIST DEVICE FOR PIPE ROOF DRILL	2024/03/25
2024/02363	DETACHABLE CAROTID SINUS MASSAGE DEVICE FOR RELIEVING CARDIAC ARRHYTHMIAS	2024/03/25
2024/02364	METHOD FOR ELIMINATING BURNS AND SCALDS, WOUND INFECTIONS, AND FACIAL ACNE SCARS	2024/03/25
2024/02368	PERIODONTAL MICRONEEDLE LOADED WITH NIR RESPONSIVE COMPOSITE BILIRUBIN NANOPARTICLES AND PREPARATION METHOD THEREOF	2024/03/25
2024/02369	COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING INFLAMMATORY DISEASES INCLUDING DIABETES AND THYROID DISEASES	2024/03/25
2024/02393	TUBERCULOSIS VIRUS-LIKE PARTICLES AND PREPARATION METHOD AND APPLICATION THEREOF	2024/03/26
2024/02394	MULTI-ANGLE DUST REMOVAL EQUIPMENT FOR MINE BLASTING	2024/03/26
2024/02395	INVENTION RELATES TO GRADED PEANUT SHELL BREAKING MACHINE WITH SCREENING FUNCTION	2024/03/26
2024/02397	INTERLOCK PIPE HUB CLAMP ASSEMBLY	2024/03/26
2024/02399	WIND-WAVE IMPACT TEST SYSTEM FOR JACK-UP OFFSHORE PLATFORM	2024/03/26
2024/02400	ROCK CORE CATCHING DEVICE FOR	2024/03/26

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	UNDERGROUND DRILLING	
2024/02401	ARTIFICIAL INTELLIGENT EXHIBITION TABLE WITH FILL-IN LIGHT REGULATED ON BASIS OF LIGHT SENSATION CHANGES	2024/03/26
2024/02402	ARTIFICIAL INTELLIGENT FACE RECOGNITION DEVICE HAVING TEMPERATURE MEASUREMENT STRUCTURE	2024/03/26
2024/02412	DUAL CHAMBERED PROTECTIVE MASK AND FRAME INSERT FOR FORMING THE SAME	2024/03/26
2024/02417	MOBILE GENERATOR CHARGING SYSTEM AND METHOD	2024/03/26
2024/02450	METHOD FOR CULTURING PARENT PRAWNS IN HIGH-SALINITY SEAWATER	2024/03/27
2024/02451	INVENTION RELATES TO ADJUSTABLE STORAGE SHELF AND CONTROL METHOD THEREOF	2024/03/27
2024/02452	EXTRUSION DEVICE FOR EXTRUDING COUPLING AGENT	2024/03/27
2024/02453	CHEST PIECE STRUCTURE OF CONSTANT TEMPERATURE STETHOSCOPE CAPABLE OF BLUETOOTH TRANSMISSION	2024/03/27
2024/02454	SYSTEM AND METHOD FOR WATER ENVIRONMENT TREATMENT	2024/03/27
2024/02455	METHOD FOR GROWING YAG LASER CRYSTALS BY USING LARGE-INTERFACE SEED CRYSTALS, AND IRIDIUM SEED CRYSTAL ROD	2024/03/27
2024/02479	PHARMACEUTICAL COMPOSITION COMPRISING ENAVOGLIFLOZIN	2024/03/27
2024/02519	INTELLIGENT CHESTNUT PESTICIDE DELIVERY DEVICE AND PESTICIDE DELIVERY METHOD THEREOF	2024/04/02
2024/02521	ELASTIC FIXING METHOD OF HIGH-PRESSURE GASEOUS TYPE IV BOTTLE NECK	2024/04/02
2024/02522	OPERATION BOX FOR CARDIAC SURGERY SIMULATION TRAINING	2024/04/02
2024/02523	DEVICE FOR SIMULATING CARDIOVASCULAR INTERVENTIONAL THERAPY	2024/04/02
2024/02524	CEMENT GROUTING DEVICE	2024/04/02
2024/02525	ACCESSORY DEVICE FOR EMERGENCY PARKING STRIP ON HIGHWAY OR IN TUNNEL	2024/04/02
2024/02526	SYSTEM FOR COMPREHENSIVE EVALUATION OF TUNNEL LIGHTING EFFECT	2024/04/02
2024/02527	AN INTELLIGENT SYSTEM FOR ECO-	2024/04/02

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	BURIAL AND METHOD THEREOF	
2024/02528	CULTURE METHOD FOR IMPROVING VARIOUS GINSENOSIDE CONTENT OF ADVENTITIOUS ROOT OF PANAX GINSENG C.A.MEYER	2024/04/02
2024/02529	INVENTION RELATES TO PREPARATION METHOD OF MODIFIED PET MESH FABRIC	2024/04/02
2024/02530	DOUBLE-LAYER CYLINDER-TYPE TOWED HARVESTER FOR CYPERUS ESCULENTUS L.	2024/04/02
2024/02531	SIZE-ADJUSTABLE ELECTRIC CLAMPING AUXILIARY WELDING TOOL FOR RECTANGULAR FRAME	2024/04/02
2024/02532	METHOD FOR PREPARING PROTEIN-BASED SURFACTANTS FROM LEATHER SCRAPS	2024/04/02
2024/02533	PREPARATION AND APPLICATION OF SELF-MONITORING CEMENTITIOUS COMPOSITES FOR BRIDGES	2024/04/02
2024/02534	POSITION-LIMITING ADJUSTABLE PREFABRICATED BLASTING TUBE AND INSTALLATION METHOD THEREOF	2024/04/02
2024/02536	PROCESSING DEVICE FOR BUILDING DATA	2024/04/02
2024/02538	EXTRACTION DEVICE FOR PREPARING QUERCETIN	2024/04/02
2024/02540	LOCKING MECHANISM OF SLUICE BOARD	2024/04/02
2024/02541	BLOCKCHAIN-BASED SECURITY PROCESSING SYSTEM AND METHOD FOR SENSITIVE DATA	2024/04/02
2024/02549	SYSTEM FOR TRANSPORTING AND STORING, IN PARTICULAR HYDROGEN AND ITS MIXTURES	2024/04/02
2024/02567	HDV READY ELECTROCHEMICAL ELECTRODES WITH NOVEL COMPOSITION, STRUCTURE AND METHOD OF MANUFACTURE	2024/04/02
2024/02574	RPA DETECTION PRIMER GROUP FOR DRUG RESISTANCE GENE MCR-8, KIT AND METHOD	2024/04/02
2024/02575	RHIZOMA IRIDIS TECTORI ORAL LIQUID FOR TREATING NECROTIC ENTERITIS OF CHICKENS AND PREPARATION METHOD THEREOF	2024/04/02
2024/02576	RPA DETECTION PRIMER GROUP FOR SUPER-BACTERIAL DRUG RESISTANCE GENE NDM-1, KIT AND METHOD	2024/04/02
2024/02577	MONITORING SYSTEM FOR INTEGRATED EXCAVATION AND ANCHORING MACHINE BASED ON	2024/04/03

Application Number	Patent Title	Filing Date
	DIGITAL TWIN TECHNOLOGY	
2024/02578	ANTI-OSTEOPOROSIS AND ANTI-OSTEOARTHRITIS TRADITIONAL CHINESE MEDICION COMPOSITION	2024/04/03
2024/02580	AN INTELECTIN, ITS ENCODING GENES, AND APPLICATIONS DERIVED FROM ANDRIAS DAVIDIANUS	2024/04/03
2024/02581	DENTAL IMPLANTATION DEVICE FOR ORAL SURGERY	2024/04/03
2024/02582	SHIP ANTI-ROLLING DEVICE AND SHIP	2024/04/03
2024/02583	MINE TERRAIN SURVEYING METHOD AND SYSTEM BASED ON MULTI-SOURCE DATA	2024/04/03
2024/02584	BATHING DEVICE FOR BEDRIDDEN PATIENTS	2024/04/03
2024/02585	MOUNTAIN GEOLOGICAL DISASTER MONITORING SYSTEM BASED ON REMOTE SENSING IMAGES	2024/04/03
2024/02586	ADJUSTABLE SAFETY CLOTHES HANGER WITH COLLAR COMPRESSING FUNCTION	2024/04/03
2024/02588	AIR PURIFICATION DEVICE FOR PIGSTY	2024/04/03
2024/02589	NOVEL SHIP CHARGING EQUIPMENT	2024/04/03
2024/02591	A TONIC AND HEALTH-CARE MEDICINAL LIQUOR AND A PREPARATION METHOD THEREOF	2024/04/03
2024/02593	ERROR COMPENSATION METHOD FOR HVPG MEASUREMENT OF PORTAL HYPERTENSION PRESSURE GRADIENT	2024/04/03
2024/02594	A PREPARATION PROCESS FOR IRON SACCHARATE OF IRON SUPPLEMENTS	2024/04/03
2024/02595	BLOWN SAND ENVIRONMENT SIMULATION TEST BENCH AND APPLICATION THEREOF	2024/04/03
2024/02596	SYSTEM AND METHOD FOR MANAGEMENT OF INFORMATION ON LABORATORY TESTS IN NEONATAL SCREENING	2024/04/03
2024/02610	POWER PACK	2024/04/04
2024/02640	INDUCTIVE USER INTERFACE SYSTEM FOR ROTATIONAL MOVEMENT	2024/04/05
2024/02646	SEED TREATMENT COMPOSITIONS THAT INCREASE MICROORGANISM LONGEVITY	2024/04/05
2024/02668	MOVABLE SOIL EROSION DYNAMIC SIMULATION DEVICE	2024/04/08
2024/02669	BOOK TEMPORARY STORAGE AND TRANSFER DEVICE FOR BOOK MANAGEMENT AND WORKING METHOD THEREOF	2024/04/08
2024/02670	ANTI-COLLISION DEVICE FOR SHIPS	2024/04/08

Application Number	Patent Title	Filing Date
2024/02671	LIFTABLE DEVICE FOR MEASURING SOIL EROSION UNDER FORESTS AND ON SLOPES	2024/04/08
2024/02673	HEAVY PLATE FEEDER WITH MATERIAL CLEANING DEVICE	2024/04/08
2024/02674	A METHOD FOR PREPARING SCHEELITE TYPE RED FLUORESCENT POWDER BY COMBUSTION METHOD	2024/04/08
2024/02675	LEATHER WASTE RECYCLING PROCESSOR	2024/04/08
2024/02676	PIT DIGGING DEVICE FOR SAND CONTROL AND TREE PLANTING ENGINEERING	2024/04/08
2024/02678	CHILD-BASED PEDESTRIAN PROTECTION DEVICE AND METHOD AND VEHICLE	2024/04/08
2024/02679	EQUIPMENT OPERATION MONITORINGAND MANAGEMENT SYSTEM AND METHOD BASED ON INTELLIGENT ANALYSIS	2024/04/08
2024/02680	A METHOD FOR THE INDIRECT CONTACT BETWEEN PREFABRICATED CEMENT CONCRETE PAVEMENT PANELS IN LOGISTICS PARKS	2024/04/08
2024/02681	GOLD INVERSE OPAL MICROSPHERE AND PREPARATION METHOD AND APPLICATION THEREOF	2024/04/08
2024/02682	SHIP HYBRID POWER DEVICE	2024/04/08
2024/02686	ROTATABLE FULLY AUTOMATIC FERMENTATION DEVICE AND FERMENTATION METHOD THEREOF	2024/04/08
2024/02693	FULL-AUTOMATIC INTEGRATED FERMENTATION EQUIPMENT AND METHOD	2024/04/08
2024/02695	REGIONAL CARBON EMISSION INTELLIGENT MEASUREMENT SYSTEM BASED ON OPTIMIZATION AND COLLABORATION OF LOW-CARBON ENERGY UTILIZATION	2024/04/08
2024/02698	CATALYST FOR REDUCING SOX AND NOX IN FLUE GAS, PREPARATION METHOD THEREFOR, AND METHOD FOR REMOVING SOX AND NOX FROM FLUE GAS	2024/04/08
2024/02706	POLYPEPTIDE AND APPLICATION THEREOF AS CCK RECEPTOR AGONIST/ANTAGONIST	2024/04/08
2024/02711	MARINE POLLUTION PREVENTION DEVICE	2024/04/09
2024/02712	FUNCTIONAL TEA OF MUSCADINIAROTUNDIFOLIAMICHX. AND WILD CHINESE GOOSEBERRY	2024/04/09

Application Number	Patent Title	Filing Date
	AND PREPARATION METHOD THEREFOR	
2024/02713	TREATMENT SOLUTION FOR TOMATO PLANTING AND APPLICATION THEREOF, AND METHOD FOR IMPROVING COLD RESISTANCE OF TOMATOES	2024/04/09
2024/02716	PREFABRICATED RURAL RESIDENTIAL STRUCTURE SYSTEM	2024/04/09
2024/02717	ENTEROMORPHA POLYSACCHARIDE CALCIUM FEED ADDITIVE FOR IMPROVING CHICKEN PRODUCTS OR CHICKEN SLAUGHTERING PERFORMANCE AND ITS APPLICATION	2024/04/09
2024/02718	AN OVER-THE-COUNTER TRADITIONAL CHINESE MEDICINE FOR WEIGHT LOSS	2024/04/09
2024/02723	AN ANTIOXIDANT COMPOSITION AND APPLICATION THEREOF	2024/04/09
2024/02755	METHOD AND SYSTEM FOR SEEDLING DIAMETER MEASUREMENT BASED ON MACHINE VISION	2024/04/08
2024/02756	INVENTION RELATES TO STORAGE MEDIUM AND DEVICE FOR BASE SURVEY OF HIGH RISK GROUPS OF AIDS	2024/04/10
2024/02757	EXHAUST GAS PURIFICATION DEVICE	2024/04/10
2024/02758	PRODUCT FOR ANALYZING DIVERSITY IN BREAST MILK FLORA OF SYPHILIS-INFECTED PUERPERAE AND INTESTINAL FLORA OF NEWBORNS	2024/04/10
2024/02759	ENVIRONMENT-FRIENDLY AND ENERGY-SAVING DUST REMOVAL DEVICE	2024/04/10
2024/02760	TRADITIONAL CHINESE MEDICINE COMPOSITE HAVING HEALTH CARE FUNCTION, AND PREPARATION METHOD AND APPLICATION THEREOF	2024/04/10
2024/02761	PRECISE CONTROL APPARATUS AND METHOD FOR ELECTRIC CONTROL BRAKING OF LONG-FORMATION HEAVY HAUL TRAIN	2024/04/10
2024/02764	A MEDICINAL COMPONENT FOR TREATING AMNESIA CAUSED BY HEART DEFICIENCY, LOW BLOOD COUNT, EXCESSIVE WORRY AS WELL AS DAMAGE TO THE HEART AND SPLEEN	2024/04/10
2024/02769	METHOD FOR EVALUATING TOLERANCE RANGE OF STRUCTURAL COMPONENT BASED ON LENGTH MEASUREMENT	2024/04/10
2024/02770	CURING AGENT STORAGE DEVICE	2024/04/10

Application Number	Patent Title	Filing Date
2024/02771	DEVICE FOR RECOVERING INDUSTRIAL WASTEWATER SLUDGE	2024/04/10
2024/02772	DEVICE FOR TREATING HEAVY METAL WASTE LIQUID	2024/04/10
2024/02773	DEVICE AND METHOD FOR SYNTHESIZING STANNOUS OCTOATE	2024/04/10
2024/02774	PURIFICATION DEVICE FOR PRODUCING PHOSPHOTRIESTER FLAME RETARDANT	2024/04/10
2024/02775	PRODUCTION DEVICE FOR PREPARING STANNOUS OCTOATE	2024/04/10
2024/02782	CASHMERE LOOP YARN WOVEN SCARF AND PRODUCTION PROCESS THEREOF	2024/04/10
2024/02806	WIRE MESH SUPPORT	2024/04/11
2024/02807	METHOD FOR THREE-DIMENSIONAL INDUSTRIALIZED CIRCULAR WATER AQUACULTURE OF MONOPTERUS ALBUS ZUIEW	2024/04/11
2024/02808	INFRARED RADIATION MONITORING AND EARLY WARNING DEVICE AND AN EARLY WARNING METHOD FOR THE DAMAGE EVOLUTION PROCESS OF GASSY COAL	2024/04/11
2024/02809	INNER SURFACE OF SELF-CLEANING SPRAYER TANK BASED ON LASER-INDUCED MICRO-NANO COMPOSITE STRUCTURE	2024/04/11
2024/02813	DEVELOPMENT OF CURCUMIN NANOGEL FOR SKIN REJUVENATION AND ANTI-AGING	2024/04/11
2024/02815	A JET IMPINGEMENT TECHNIQUE-BASED SOLAR-THERMAL AIR COLLECTOR SYSTEM FOR ENERGY AND EXERGY ANALYSIS AND A METHOD THEREOF	2024/04/11
2024/02817	BRIDGE PILE FOUNDATION EXCAVATION MUD SEPARATION AND PURIFICATION DEVICE	2024/04/10
2024/02819	SECURE AND VERIFIABLE TRACKING OF AGRICULTURAL PRODUCTS	2024/04/11
2024/02841	HPLC-MS/MS METHOD FOR DETERMINING GLYPHOSATE, GLUFOSINATE AMMONIUM, AND METABOLITES THEREOF	2024/04/12
2024/02843	PROGRESSIVE SMOKING CESSATION ASSIST DEVICE	2024/04/12
2024/02844	SYSTEM AND DEVICE FOR STORING ELECTRIC ENERGY AND HIGH-TEMPERATURE FLUE GAS WASTE HEAT	2024/04/12
2024/02846	METHOD AND SYSTEM FOR	2024/04/12

Application Number	Patent Title	Filing Date
	DETERMINING STANDARD PREPOSITIVE DISTANCE OF WARNING SIGN IN OPERATION AREA	
2024/02847	METHOD AND SYSTEM FOR MONITORING DRIVER WORKLOAD BASED ON ROAD MAINTENANCE	2024/04/12
2024/02848	SHIP DRAFT MEASUREMENT DEVICE	2024/04/12
2024/02851	MOUNTING PROCESS OF SQUARE HOPPER DOOR OF DREDGER	2024/04/12
2024/02852	A PREPARATION METHOD OF ELECTROMAGNETIC SHIELDING COMPOSITE FIBER MEMBRANE	2024/04/12
2024/02853	A CLAMPING COMPONENT FOR SPINNING AND WARPING	2024/04/12
2024/02854	A QUICK DRYING HUIZHOU OPERA COSTUME WITH VENTILATION DEVICE	2024/04/12
2024/02880	WELL TYPE STRUCTURE CONNECTING NEAR END OF SINGLE WELL SITE TO COAL SEAM GAS AND METHOD FOR DRILLING THE SAME	2024/04/12
2024/02881	MEASUREMENT HOST SYSTEM FOR LOW-POWER-CONSUMPTION COAL SEAM EXPANSION DEFORMATION	2024/04/12
2024/02885	A PREPARATION METHOD AND DEVICE OF HIGH-TEMPERATURE THERMAL AEROGEL	2024/04/15
2024/02886	WOODY PLANT FERMENTED PRODUCT, PREPARATION METHOD, FEED, AND APPLICATION THEREOF	2024/04/15
2024/02889	A VEHICLE EMERGENCY BRAKING METHOD	2024/04/15
2024/02892	BRANCHING CYCLE GEOTHERMAL WELL FOR MINING HOT DRY ROCK GEOTHERMAL ENERGY	2024/04/15
2024/02894	PREPARATION METHOD FOR POROUS NANO-CERAMIC FILTER	2024/04/15
2024/02895	DATA ANALYSIS DEVICE BASED ON BIG DATA	2024/04/15
2024/02920	RADIATOR WITH THE COMBINATION OF NANOFLUIDS AND JET MICROCHANNELS BASED ON ADDITIVE MANUFACTURING	2024/04/16
2024/02921	TEACHING DEMONSTRATION DEVICE	2024/04/16
2024/02922	A LINEAR ALTERNATING PERISTALTIC PIPELINE USED FOR SLURRY TRANSPORTATION	2024/04/16
2024/02923	PREPARATION METHOD OF CATALYST FOR SYNCHRONOUS PURIFICATION OF NO AND VOLATILE ORGANIC POLLUTANTS IN FLUE GAS	2024/04/16
2024/02924	SILVER-BASED PLATING SOLUTION AND METHOD FOR PLATING	2024/04/16

Application Number	Patent Title	Filing Date
	SURFACES OF COPPER AND ALLOYS THEREOF WITH SILVER	
2024/02950	MEDICAL SURGICAL LIGHTING DEVICE	2024/04/17
2024/02953	OPTIMIZED PV GENERATION SYSTEM	2024/04/17
2024/02954	BACK-DRAGGING ASSISTANCE DEVICE FOR PIPE OF DIRECTIONAL DRILL	2024/04/17
2024/02959	MULTIPLE STABLE ISOTOPE LABELING METHOD TO IDENTIFY THE PATHWAY OF ACCUMULATED HEAVY METALS ABSORBED BY CORALS	2024/04/17
2024/03575	METHOD FOR PROMOTING CELL ENDOCYTOSIS OF VEGETABLE ALBUMIN, AND APPLICATION THEREOF	2024/05/09
2024/05292	A HYDROGEOLOGICAL SAMPLING DEVICE	2024/07/08
2024/05430	SPLIT TYPE ULTRASONIC KNIFE HANDLE, ULTRASONIC MACHINING SYSTEM, AND WORKING METHOD	2024/07/12
2024/05842	DREDGING AND DESILTING DEVICE	2024/07/29
2024/05881	METHOD FOR PRODUCING AQUEOUS SOLUTION CONTAINING NICKEL OR COBALT	2024/07/30
2024/05983	HIGH-SALINITY MINE WATER TREATMENT DEVICE	2024/08/02
2024/06039	AN AIR-TIGHTNESS TESTING DEVICE FOR ELECTRONIC WATER PUMPS	2024/08/06
2024/06077	HARBOR BASIN DREDGING CONSTRUCTION METHOD	2024/08/07
2024/06348	DETERGENT SHEET	2024/08/19
2024/06351	QUICK-REBOUND COMPRESSION-TYPE HYDRO-CYLINDER PACKER AND METHOD FOR SEALING HOLE WITH PACKER	2024/08/19
2024/06995	WATERPROOF EXTENSION SOCKET WITH ELECTRIC SURGE PROTECTION	2024/09/11
2024/07318	CENTRIFUGAL SEPARATION TUBE AND MANUFACTURING METHOD THEREFOR AND USE THEREOF	2024/09/25
2024/07801	INTELLIGENT INFORMATION QUESTION-ANSWERING METHOD FOR TOBACCO ENTERPRISES BASED ON KNOWLEDGE GRAPH AND LARGE LANGUAGE MODEL	2024/10/15
2024/07858	PLASMA PATHOGEN INACTIVATION TREATMENT METHOD BASED ON RIBOFLAVIN PHOTOCHEMICAL METHOD	2024/10/16

DESIGNS

Advertisement List for October 2024

Number of Advertised Designs: 113

Application Number	Design Articles	Filing Date
A2020/00668	A DESK SCREEN	2020/05/27
A2020/01213	FENCE POST	2020/09/08
A2023/00252	BOTTLE	2023/02/22
A2023/00257	BOTTLE	2023/02/22
A2023/00259	BOTTLE	2023/02/22
A2023/01253	AUTOMOBILE	2023/11/22
A2023/01297	A TENTED STRUCTURE	2023/11/30
A2023/01443	PUBLIC LIGHT FIXTURE	2023/12/19
A2023/01444	PUBLIC LIGHT FIXTURE	2023/12/19
A2023/01445	PUBLIC LIGHT FIXTURE	2023/12/19
A2024/00006	Safety Mechanism for a Hypodermic Needle	2024/01/02
A2024/00008	AEROSOL GENERATOR FOR VAPING (E-CIGARETTE)	2024/01/03
A2024/00009	FOOTWEAR	2024/01/03
A2024/00010	FOOTWEAR	2024/01/03
A2024/00011	FOOTWEAR	2024/01/03
A2024/00013	SHAVER WITH GRIP SLEEVE	2024/01/04
A2024/00014	Cordless Blender	2024/01/04
A2024/00015	Blade Holder	2024/01/04
A2024/00017	SHAVER WITH RUBBER SLEEVE	2024/01/05
A2024/00022	ANNULAR SEALS	2024/01/10
A2024/00023	ANNULAR SEALS	2024/01/10
A2024/00027	WATERING DEVICE	2024/01/11
A2024/00029	FOOTWEAR	2024/01/11
A2024/00030	FOOTWEAR	2024/01/11
A2024/00031	FOOTWEAR	2024/01/11
A2024/00032	FOOTWEAR	2024/01/11
A2024/00034	A MODIFIED TAIL PIECE	2024/01/11
A2024/00037	A Seat for a Chair	2024/01/12
A2024/00042	CONTAINER PROTECTOR	2024/01/15
A2024/00050	FOOTWEAR	2024/01/16
A2024/00057	A LIGHTING APPARATUS	2024/01/19
A2024/00058	Motorcycle	2024/01/19
A2024/00078	Popcorn Maker	2024/01/22
A2024/00079	Food Processor	2024/01/22
A2024/00080	Blender	2024/01/22
A2024/00089	A Cargo Box for a Motorbike	2024/01/24
A2024/00091	Brackets	2024/01/26
A2024/00094	EARTH BORING CUTTERS	2024/01/26
A2024/00095	EARTH BORING CUTTERS	2024/01/26
A2024/00096	EARTH BORING CUTTERS	2024/01/26
A2024/00097	EARTH BORING CUTTERS	2024/01/26

Application Number	Design Articles	Filing Date
A2024/00098	EARTH BORING CUTTERS	2024/01/26
A2024/00099	EARTH BORING CUTTERS	2024/01/26
A2024/00100	EARTH BORING CUTTERS	2024/01/26
A2024/00101	EARTH BORING CUTTERS	2024/01/26
A2024/00102	EARTH BORING CUTTERS	2024/01/26
A2024/00103	EARTH BORING CUTTERS	2024/01/26
A2024/00104	EARTH BORING CUTTERS	2024/01/26
A2024/00105	EARTH BORING CUTTERS	2024/01/26
A2024/00106	EARTH BORING CUTTERS	2024/01/26
A2024/00108	CRANES	2024/01/29
A2024/00112	AUTOMOBILES	2024/01/30
A2024/00113	AUTOMOBILES	2024/01/30
A2024/00114	COFFEE MACHINES	2024/01/30
A2024/00120	TYRE TREAD DEPTH INDICATORS	2024/01/31
A2024/00136	BOTTLE CAP WITH STOPPER AND BOTTLE NECK	2024/02/01
A2024/00138	BOTTLE CAP AND BOTTLE NECK	2024/02/01
A2024/00183	AN EDGE PROFILE	2024/02/15
A2024/00184	AN EDGE PROFILE	2024/02/15
A2024/00198	MOTORCYCLE	2024/02/16
A2024/00213	SPRAY BOTTLE	2024/02/22
A2024/00214	BRUSH	2024/02/22
A2024/00215	BRUSH	2024/02/22
A2024/00232	EGG BOILER	2024/02/28
A2024/00235	BRACELET DESIGN 30	2024/02/29
A2024/00236	BRACELET DESIGN	2024/02/29
A2024/00237	BRACELET DESIGN	2024/02/29
A2024/00238	BRACELET DESIGN	2024/02/29
A2024/00239	BRACELET DESIGN	2024/02/29
A2024/00249	CONTAINER	2024/03/06
A2024/00262	CONTAINER BASE	2024/03/13
A2024/00268	KIOSK	2024/03/18
A2024/00286	ABOVE GROUND METER BOX	2024/03/19
A2024/00863	AUDIO AND TELEVISION	2024/09/03
A2024/00880	BLOCK TOY	2024/09/10
A2024/00892	NIGHT VISION DEVICE	2024/09/16
F2023/00253	BOTTLE	2023/02/22
F2023/00258	BOTTLE	2023/02/22
F2023/00260	BOTTLE	2023/02/22
F2023/00262	BOTTLE	2023/02/22
F2023/00628	SHAFT FOR MEDICAL INSTRUMENT	2023/05/29
F2023/00906	MODULAR PLANT CONTAINER	2023/08/17
F2023/00913	A HOSE MANAGEMENT SYSTEM	2023/08/21
F2023/00985	SPORTING NET SUPPORT FRAME	2023/09/08
F2024/00001	A TRAY	2024/01/02
F2024/00016	PILLOWS	2024/01/05
F2024/00035	A MODIFIED TAIL PIECE	2024/01/11
F2024/00043	CONTAINER PROTECTOR	2024/01/15
F2024/00088	SHOWER BATH	2024/01/24
F2024/00092	Brackets	2024/01/26

Application Number	Design Articles	Filing Date
F2024/00109	HINGE REPAIR PLATES	2024/01/29
F2024/00116	A BED	2024/01/30
F2024/00119	VEHICLE PEDAL LOCK	2024/01/31
F2024/00121	TYRE TREAD DEPTH INDICATORS	2024/01/31
F2024/00122	CLEANING BRUSH	2024/01/31
F2024/00124	SOLAR PANEL BRACKETS	2024/02/01
F2024/00125	SOLAR PANEL BRACKETS	2024/02/01
F2024/00126	SOLAR PANEL BRACKETS	2024/02/01
F2024/00135	BOTTLE CAP AND BOTTLE NECK	2024/02/01
F2024/00137	BOTTLE CAP WITH STOPPER AND BOTTLE NECK	2024/02/01
F2024/00181	POLE-MOUNTABLE SECURITY SYSTEMS	2024/02/13
F2024/00200	PANTY LINER	2024/02/19
F2024/00218	WATER HEATERS	2024/02/22
F2024/00220	RAIL	2024/02/22
F2024/00221	RAIL	2024/02/23
F2024/00229	BOARD CLIP COMPONENTS	2024/02/26
F2024/00246	GATE BOGIE	2024/03/04
F2024/00258	SCREW IN TENT PEGS	2024/03/11
F2024/00263	CONTAINER BASE	2024/03/13
F2024/00267	KIOSK	2024/03/18
F2024/00287	ABOVE GROUND METER BOX	2024/03/19
F2024/00296	GOLF SWING TRAINER	2024/03/22
F2024/00806	EYELASH CASE	2024/08/15

OTHER PRACTICE 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